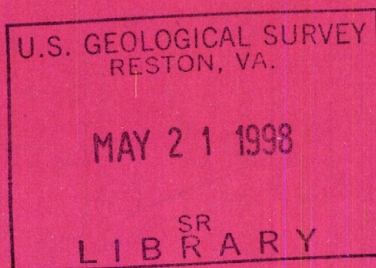
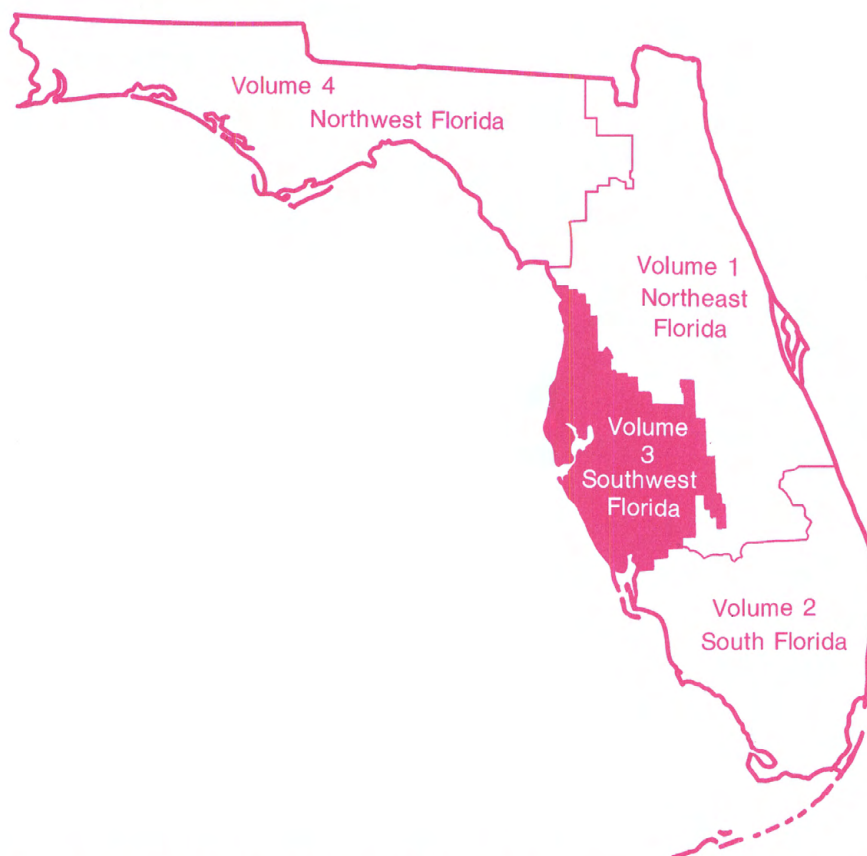


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Water Resources Data Florida Water Year 1997

Volume 3A. Southwest Florida Surface Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-97-3A

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



CALENDAR FOR WATER YEAR 1997

1996

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	1	2	3	4	5	6	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

1997

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1							1
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22
26	27	28	29	30	31		23	24	25	26	27	28		23	24	25	26	27	28	29
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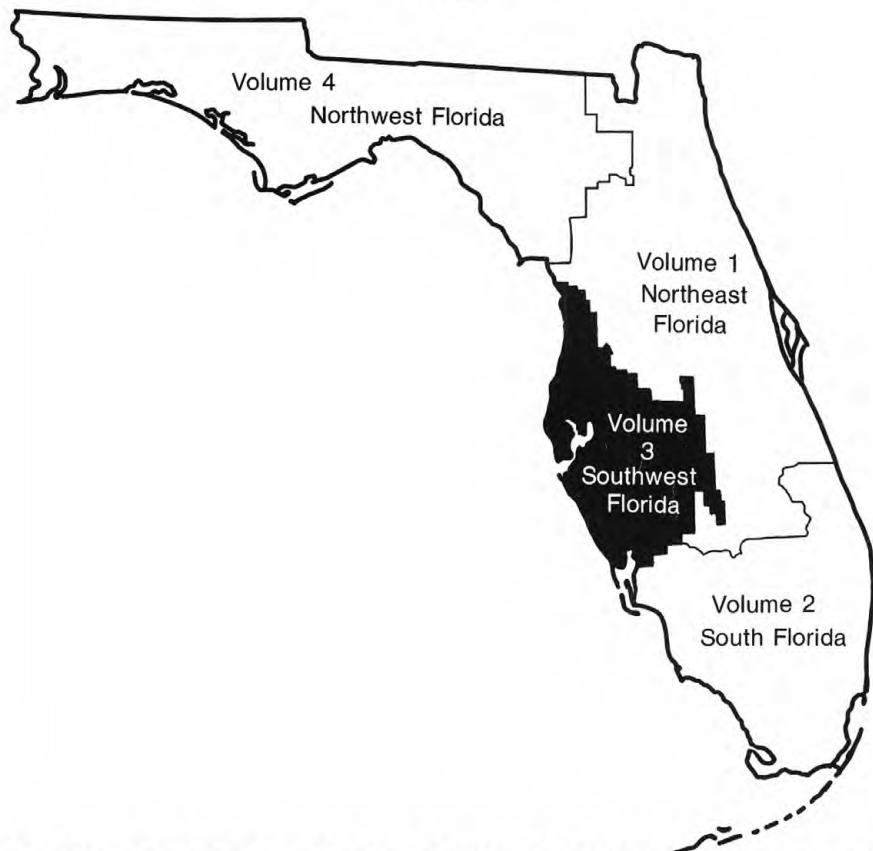
APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5					1	2	3	1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28
27	28	29	30				25	26	27	28	29	30	31	29	30					

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Water Resources Data Florida Water Year 1997

Volume 3A. Southwest Florida Surface Water
by J.E. Coffin and W.L. Fletcher



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-97-3A
Prepared in cooperation with the State of Florida
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U. S. GEOLOGICAL SURVEY

Gordon P. Eaton, Director

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

For additional information write to
District Chief, Water Resources Division
U.S. Geological Survey
227 North Bronough Street, Suite 3015
Tallahassee, Florida 32301

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 under the supervision of J.E. Coffin and W.L. Fletcher. The following individuals contributed significantly to the collection, processing, and tabulation of the data:

Tampa Subdistrict Office

L. O. Ahlman	S. L. Lane	L. A. Shannon
G. Baraket	D. McCulloch	Y. E. Stoker
H. Blankenship	P. A. Metz	R. H. Tice
P. F. Boetcher	R. Miller	J. M. Todd
D. Cardo	R. A. Mularoni	J. T. Trommer
R. L. Carson	E. A. Pritchett	T. A. Weiss
M. DelCharco	J. A. Regar	L. D. Windom
K. M. Hubbs	L. Sacks	D. Yobbi
L. Knochenmus	A. Seidenfeld	

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

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13. ABSTRACT (Maximum 200 words) Water resources data for the 1997 water year in Florida consist of continuous or daily discharges for 341 streams, periodic discharge for 20 streams, continuous daily stage for 122 streams, periodic stage for 13 streams, peak stage and discharge for 20 streams, continuous or daily elevations for 35 lakes, periodic elevations for 60 lakes; continuous ground-water levels for 398 wells, periodic ground-water levels for 1,247 wells, and quality-of-water data for 166 surface-water sites and 298 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 84 streams, periodic discharge for 11 streams, continuous or daily stage for 29 streams, periodic stage for 13 streams, peak stage and discharge for 11 streams, continuous or daily elevations for 15 lakes, periodic elevations for 25 lakes, and quality-of-water data for 117 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.				
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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, (t) tissue, (e) elevation, gage heights, or contents.]

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Swim Lake near Alcoma (e,c)	02266923	347
Livingston Creek:		
Tiger Creek near Babson Park (d,c)	02268390	35
Saddle Blanket Lake (west) near Frostproof (e,c)	02269168	350
Lake Olivia at Avon Park (e,c)	02269172	353
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Lake Hancock:		
Saddle Creek at structure P-11, near Bartow (d)	02294491	59
Peace River at Bartow (d,e,c)	02294650	60
Peace River at Fort Meade (d,e,c)	02294898	63
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Lake Buffum near Alturas (e)	02294959	392
Bowlegs Creek near Ft. Meade (d)	02295013	66
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Starvation Lake near Lutz (e)	02306800	405
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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. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

{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) (e)	02293986	160	1947-71 1972-77
Lake Lulu Outlet at Eloise, Fl. (d) (e)	02294068	23	1946-72 1972-73
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
Oak Creek near Ona, Fl. (d, e)	02295850	15	1981-84
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
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

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Discontinued surface-water discharge or stage-only stations.--Continued

Station name	Station number	Drainage area (mi ²)	Period of Record
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
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
COASTAL AREA BETWEEN MYAKKA RIVER AND ALAFIA RIVERS			
Cow Pen Slough near Bee Ridge, Fl. (d)	02299700	38	1963-66
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

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Discontinued surface-water discharge or stage-only stations.--Continued

Station name	Station number	Drainage area (mi ²)	Period of Record
LITTLE MANATEE RIVER BASIN-Continued			
Unnamed Tributary at Hwy 674 near Ft. Lonesome, Fl. (d)	02300093	---	1983-87 1989-90
ALAFIA RIVER BASIN			
Mizell Creek near Keyesville, 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
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

WATER RESOURCES DATA FOR FLORIDA, 1997
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Discontinued surface-water discharge or stage-only stations.--Continued

Station name	Station number	Drainage area (mi ²)	Period of Record
HILLSBOROUGH RIVER BASIN--Continued			
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
Cypress Creek near Drexel, Fl. (d)	02303408	73.2	1977-81
Hanna Lake Outlet near Lutz, Fl. (d)	02303500	.74	1946-51
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
Jumping Gully at Loyce, Fl. (d) (e)	02310240	43	1964-87 1987-89
Bear Creek at Plaza Drive near Hudson, Fl. (d,e)	02310352	29.2	1970-77
Crystal River near Crystal River, Fl. (d)	02310750	---	1964-77

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Discontinued surface-water discharge or stage-only stations.--Continued

Station name	Station number	Drainage area (mi ²)	Period of Record
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
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
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER			
Gulf of Mexico near Bayport, Fl. (e)	02310600	---	1971-73
Chassahowitzka River near Homosassa, Fl. (e)	02310650	---	1971-73
Homosassa River at Homosassa, Fl. (e)	02310700	---	1971-74

a Approximately
 --- Not determined

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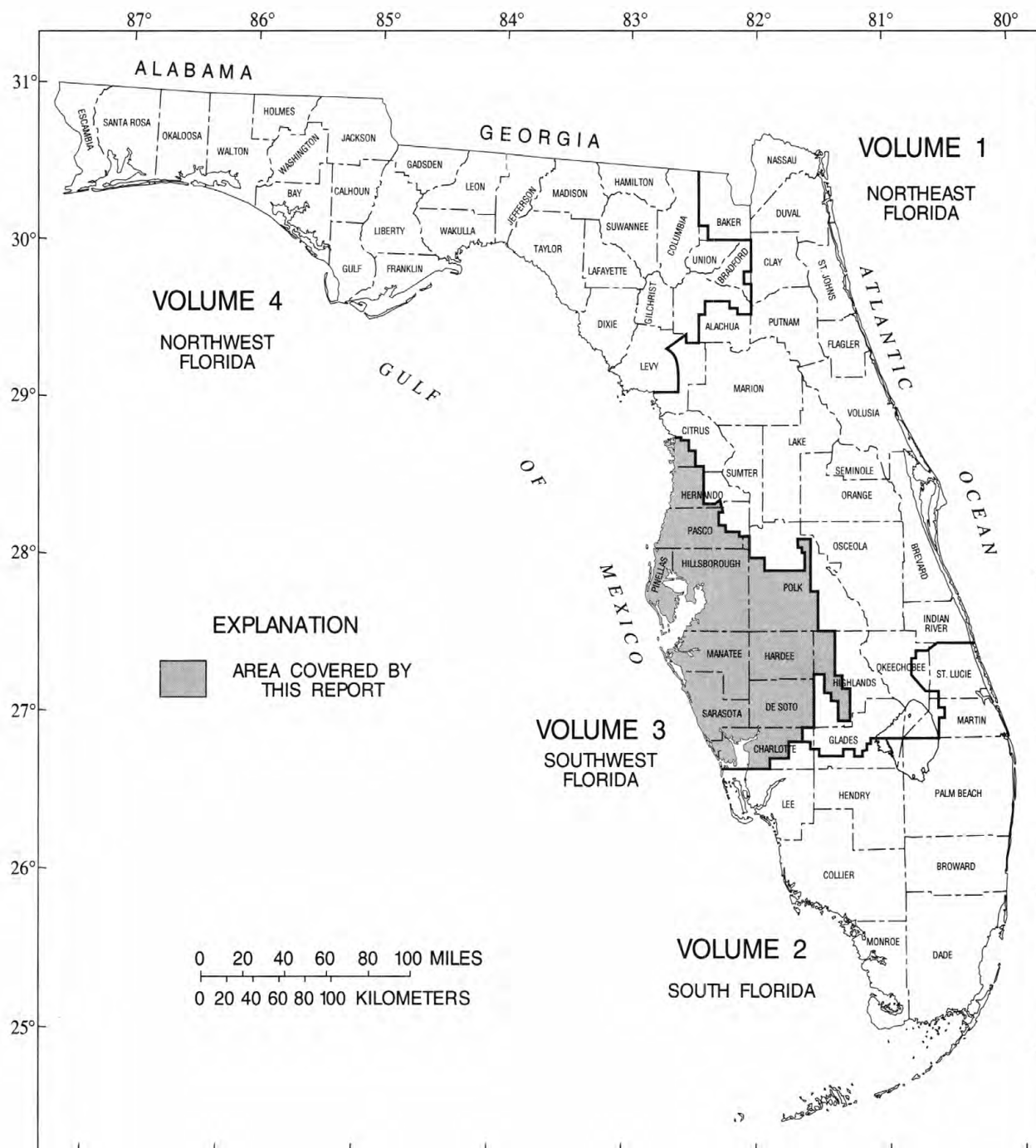


Figure 1.--Geographic area covered by this report.

WATER RESOURCES DATA FOR FLORIDA, 1997

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Volume 3A: Southwest Florida Surface Water

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State 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, and water levels and water quality of ground-water wells. Volume 3A contains records for continuous daily discharge at 84 gaging stations; periodic discharge for 11 streams; periodic stage at 13 stream sites; continuous daily stage at 29 stream sites; peak stage and discharge at 11 stream sites; continuous daily elevations at 15 lakes; periodic elevations at 25 lakes; and water quality at 117 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 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 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

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

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-97-3A." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the 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 Environmental Action Commission
Southwest Florida Water Management District
West Coast Regional Water Supply Authority
County of Hillsborough
County of Manatee

County of Pinellas
County of Sarasota
City of North Port
City of Sarasota
City of Tampa

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SUMMARY OF HYDROLOGIC CONDITIONS

During the 1997 water year, rainfall at 11 National Oceanic and Atmospheric Administration (NOAA) stations in west-central Florida (fig. 2) ranged from 36.80 inches at Brooksville in Hernando County (site 13) to 58.60 inches at Parrish in Manatee County (site 18). The 1997 water year total rainfall was higher at two long-term stations and lower at nine long-term stations than the 1961-90 normal. Total rainfall at the 11 stations ranged from 17.13 inches below normal at Brooksville (site 13) to 9.60 inches above normal at Punta Gorda in Charlotte County (site 22).

Monthly mean discharge for the Anclote River near Elfers (fig. 2, site 1) is shown in figure 3. The 1997 water year monthly mean discharges at this site were below median flow for the entire water year. The 1997 water year annual mean discharge, $12.8 \text{ ft}^3/\text{s}$, was only 20 percent of the mean, $63.2 \text{ ft}^3/\text{s}$, for the period of record.

At Hillsborough River near Zephyrhills (fig. 2, site 2), monthly mean discharge remained below median flow through August, then increased above median discharge through September (fig. 4). The 1997 water year annual mean discharge, $137 \text{ ft}^3/\text{s}$, was 56 percent of the mean, $243 \text{ ft}^3/\text{s}$, for the period of record.

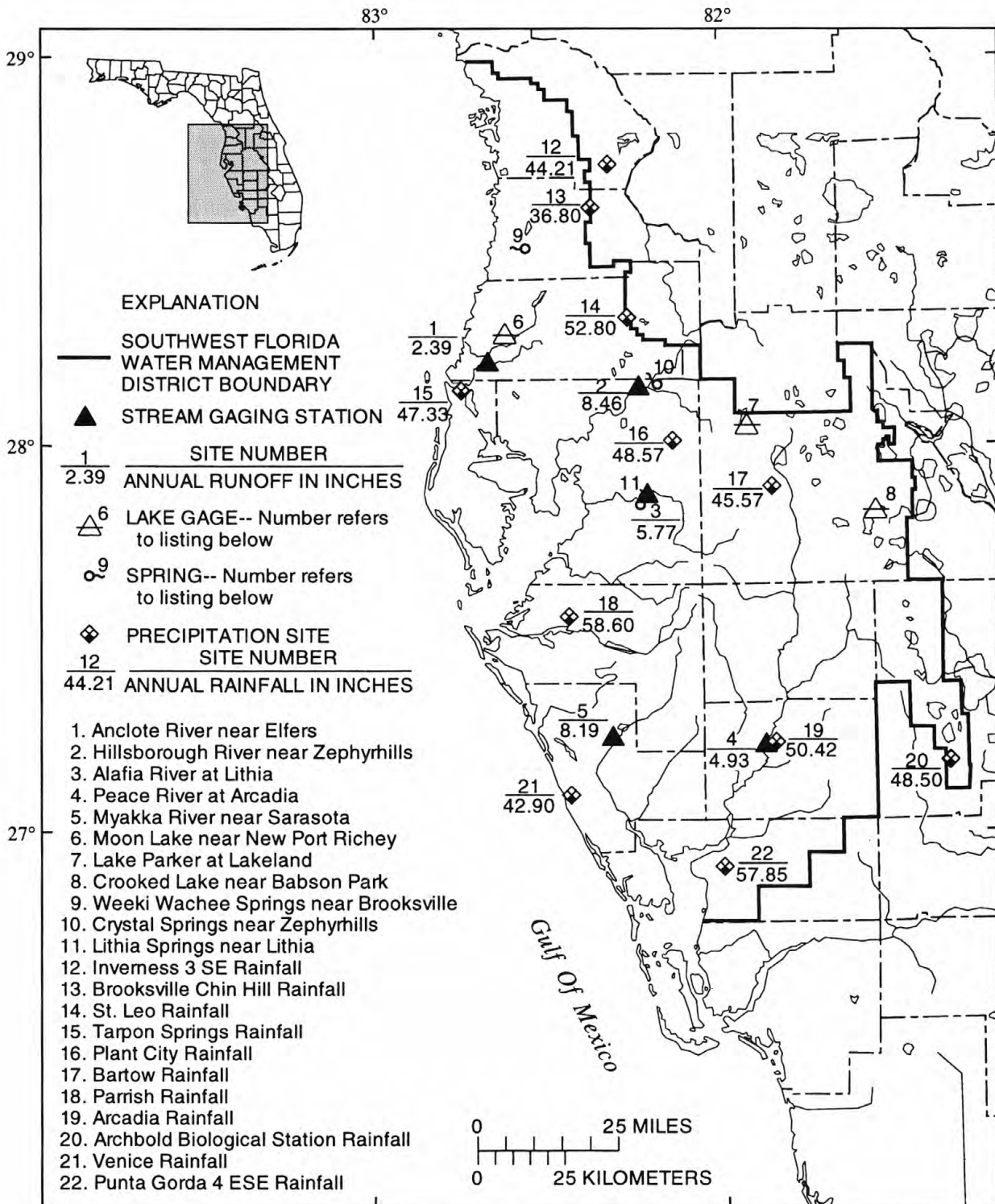
Monthly mean discharge at Alafia River at Lithia (fig. 2, site 3) was below the median discharge for the entire water year. The 1997 water year annual mean discharge, $142 \text{ ft}^3/\text{s}$, was 42 percent of the mean, $336 \text{ ft}^3/\text{s}$, for the period of record.

Monthly mean discharge at Peace River at Arcadia (fig. 2, site 4) remained below median discharge for most of the water year except for brief periods in May, July, and August when discharge was above the median (fig. 6). The 1997 water year annual mean discharge, $496 \text{ ft}^3/\text{s}$, was 47 percent of the mean, $1,066 \text{ ft}^3/\text{s}$, for the period of record.

At Myakka River near Sarasota (fig. 2, site 5), monthly mean discharge remained below the median discharge through late April, then increased above the median in May approaching the maximum for this period. Monthly mean discharge decreased below the median in June, then remained at or below the median through September (fig. 7). The 1997 water year annual mean discharge, $138 \text{ ft}^3/\text{s}$, was only 56 percent of the mean, $248 \text{ ft}^3/\text{s}$, for the period of record.

Several large springs discharge into streams along the Gulf of Mexico in Citrus and Hernando Counties. Weeki Wachee Springs near Brooksville (fig. 2, site 9) has been measured periodically since 1917 to define seasonal variation in flow. Six measurements made during the 1997 water year ranged from $126 \text{ ft}^3/\text{s}$ on June 5 to $159 \text{ ft}^3/\text{s}$ on January 16. The average of the 501 measurements made through the 1997 water year is $172 \text{ ft}^3/\text{s}$. Crystal Springs near Zephyrhills (fig. 2, site 10) flows into the Hillsborough River upstream from the gaging station near Zephyrhills. The average of the 434 measurements made through the 1997 water year is $55.6 \text{ ft}^3/\text{s}$. 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 $35 \text{ ft}^3/\text{s}$ on June 26 to $76 \text{ ft}^3/\text{s}$ on October 7, was from 3 to 4 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. Seven measurements of Lithia Springs made during the 1997 water year ranged from $27.5 \text{ ft}^3/\text{s}$ on March 12 to $40.8 \text{ ft}^3/\text{s}$ on September 10. The average of 215 measurements made since 1934 is $44.2 \text{ ft}^3/\text{s}$.

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 stations 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, approaching the period of record minimum in September. The 1997 water year annual mean stage, 37.32 ft above sea level, was lower than the mean for the period of record, 38.41 ft above sea level. Monthly mean lake stage in Lake Parker at Lakeland (fig. 9) was above the median for the water year except for April. The 1997 annual mean stage, 130.31 ft above sea level, was above the mean for the period of record, 130.00 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 1997 annual mean stage, 115.07 ft above sea level, was below the mean for the period of record, 115.70 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.

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ANCLOTE RIVER NEAR ELFERS, FLORIDA

STATION 02310000

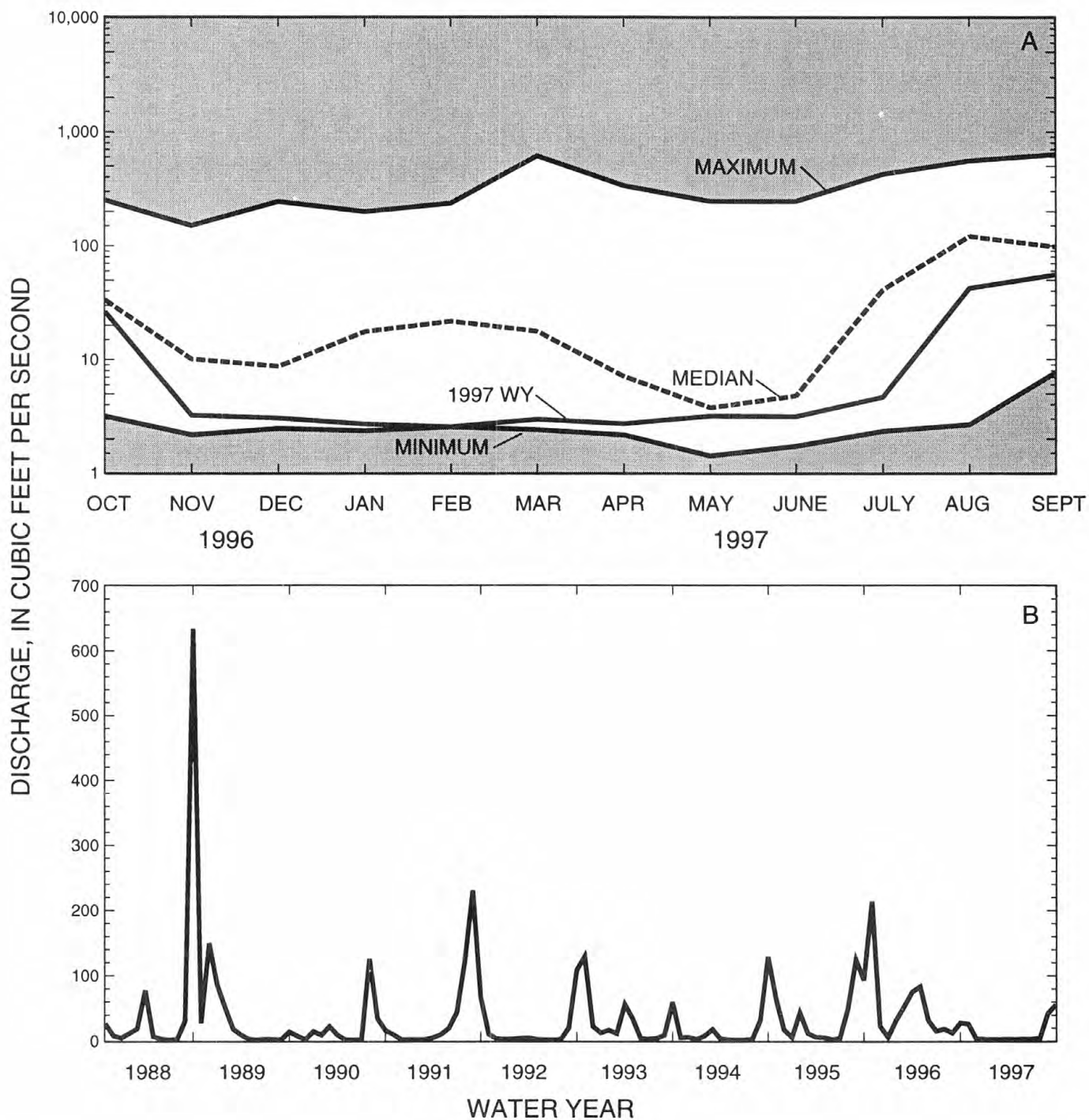


Figure 3.--Ancloste River near Elfers (A) 1997 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1988-97.

HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FLORIDA

STATION 02303000

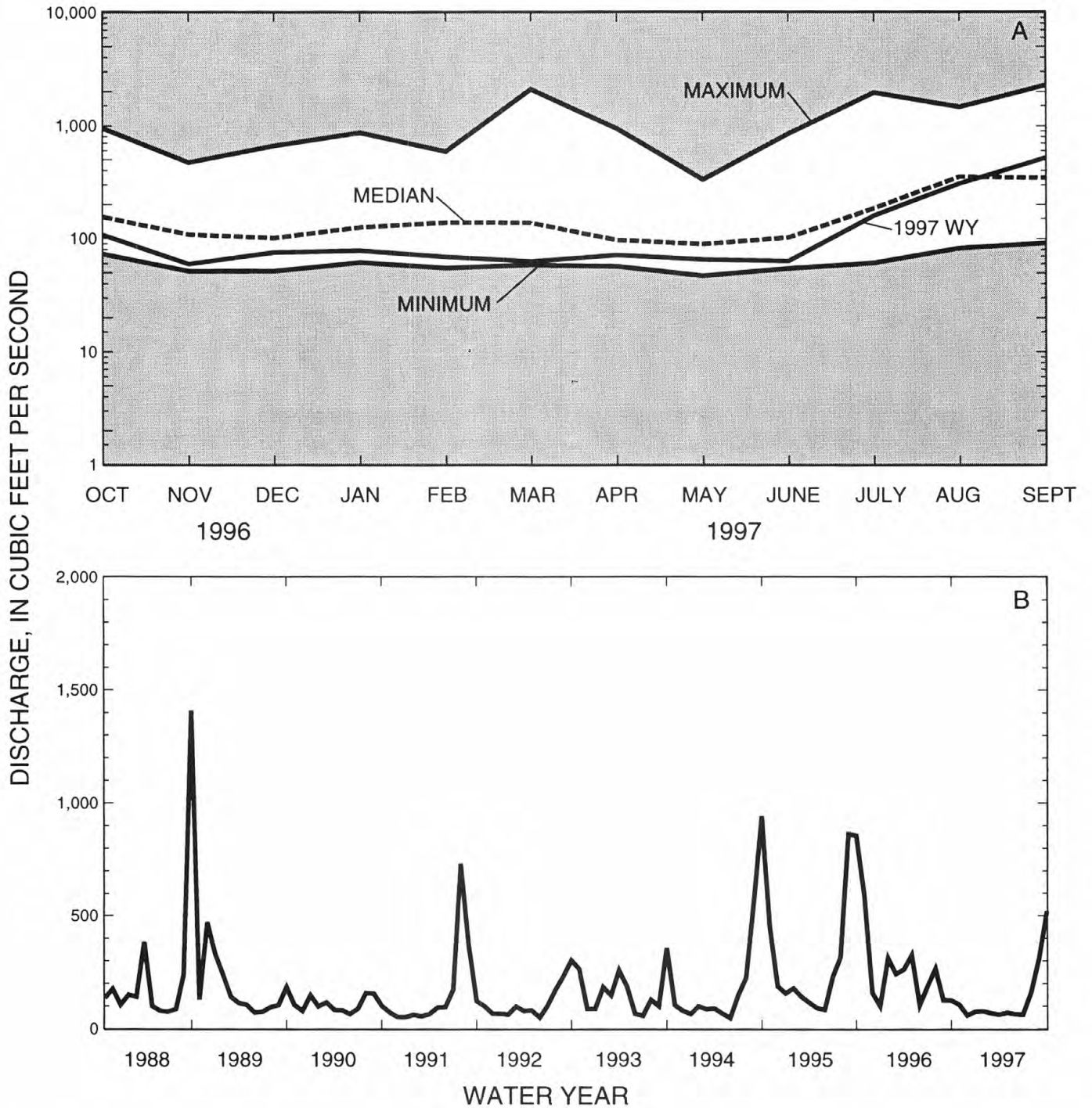


Figure 4.--Hillsborough River near Zephyrhills (A) 1997 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1988-97.

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ALAFIA RIVER AT LITHIA, FLORIDA

STATION 02301500

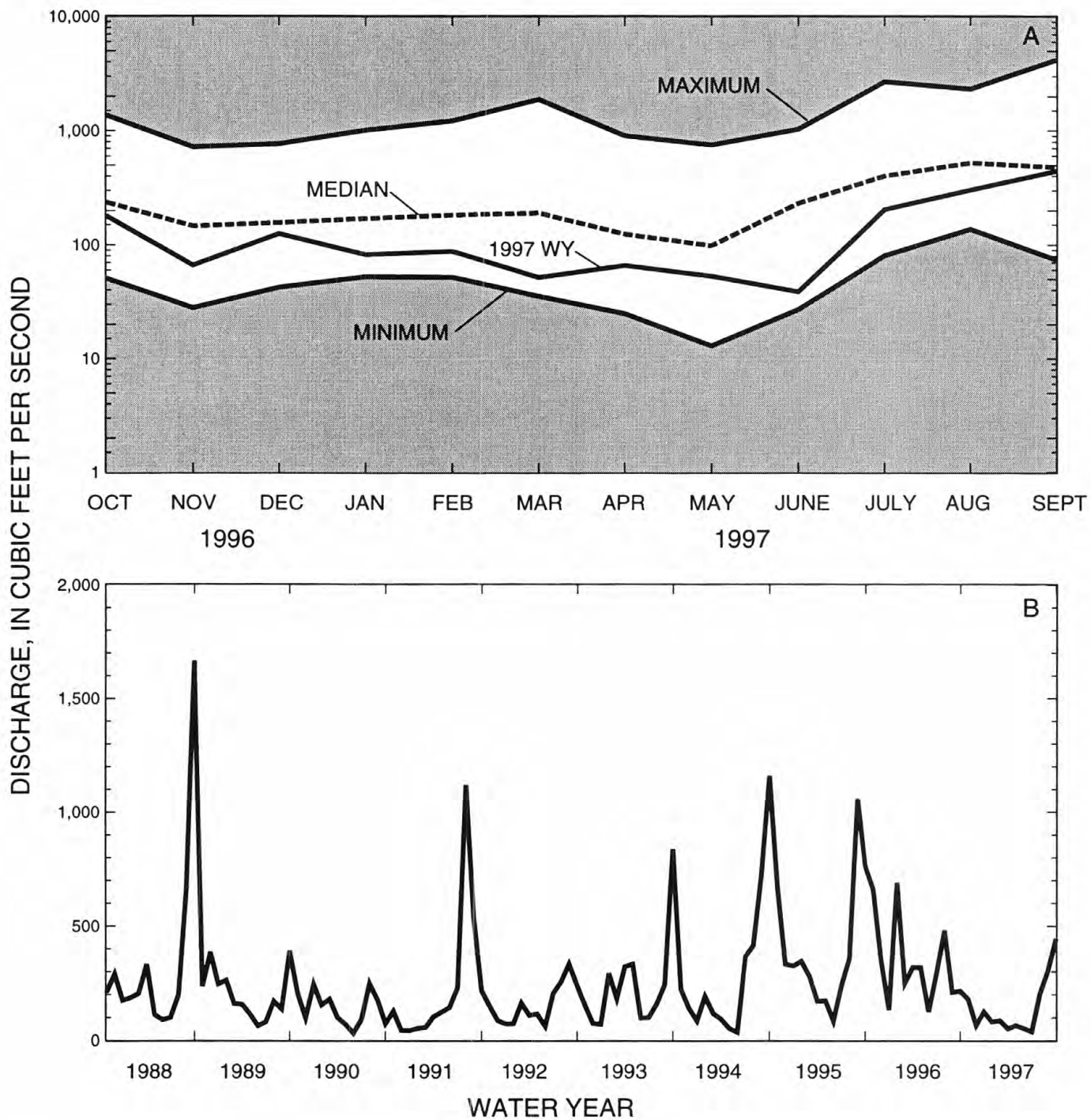


Figure 5.--Alafia River at Lithia (A) 1997 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1988-97.

PEACE RIVER AT ARCADIA, FLORIDA
STATION 02296750

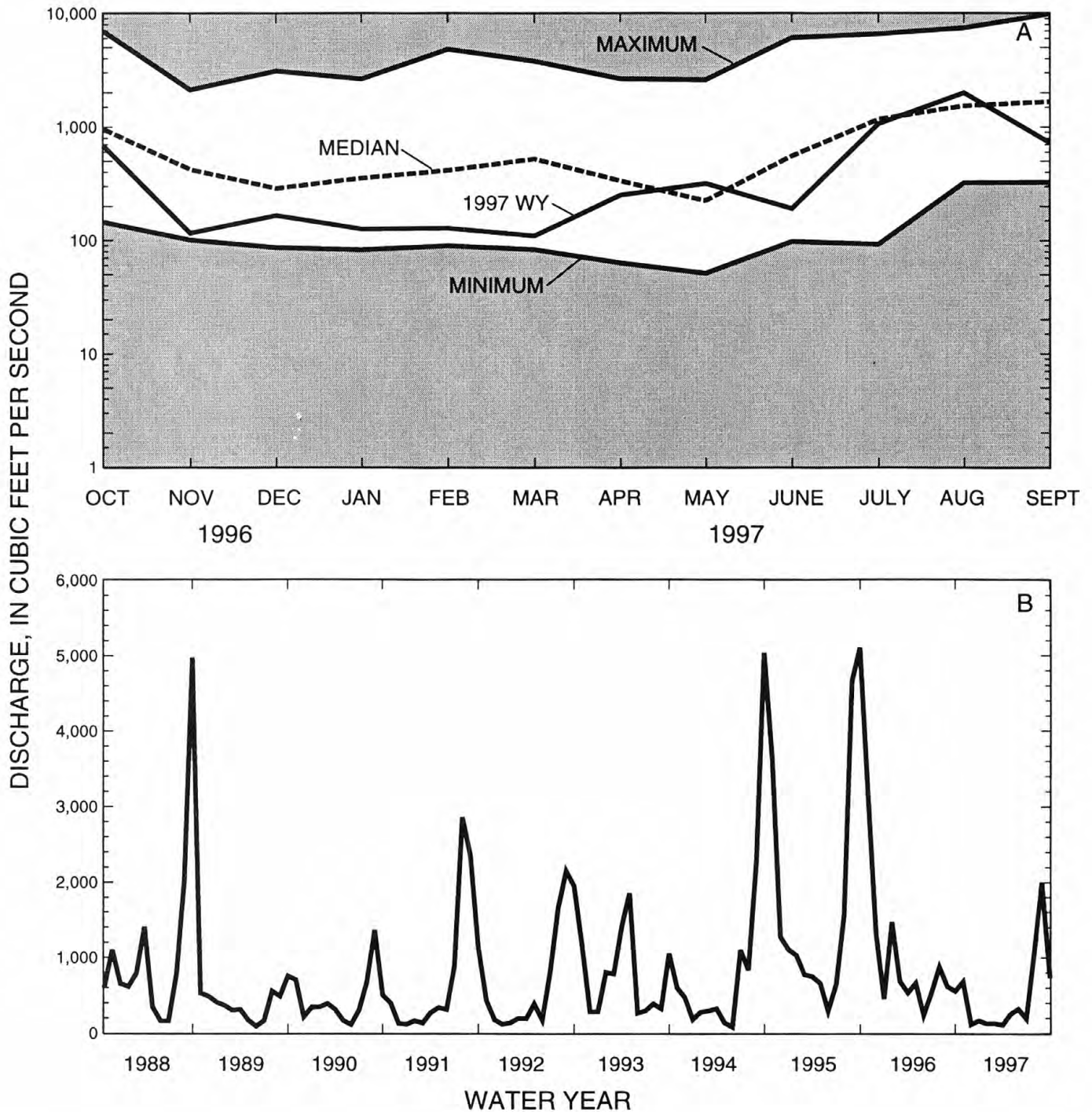


Figure 6.--Peace River at Arcadia (A) 1997 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1988-97.

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MYAKKA RIVER NEAR SARASOTA, FLORIDA

STATION 02298830

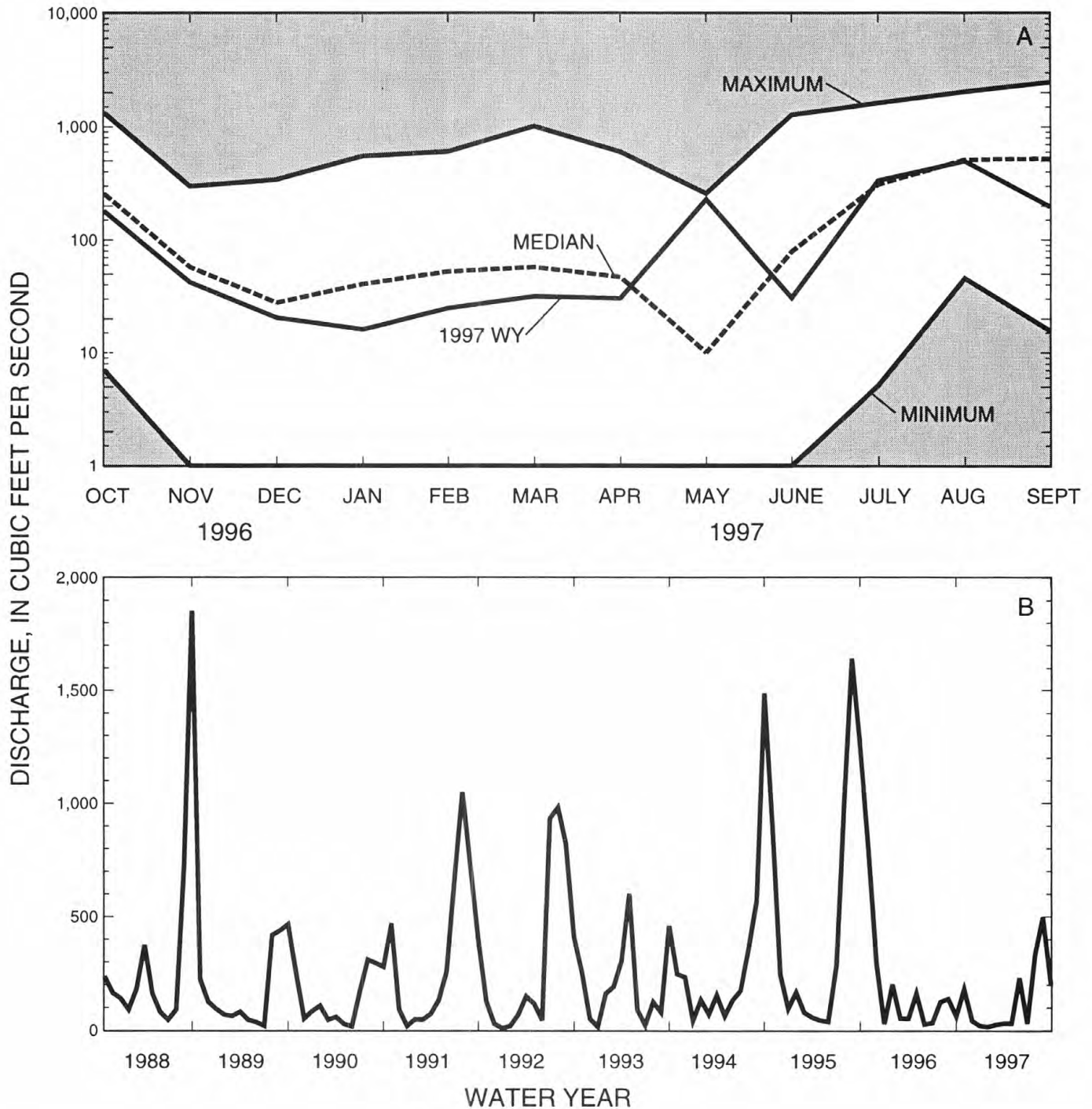


Figure 7.--Myakka River near Sarasota (A) 1997 monthly mean discharge compared to the maximum, median, and minimum monthly mean discharge for the period of record, and (B) the monthly mean discharge for the period 1988-97.

MOON LAKE NEAR NEW PORT RICHEY, FLORIDA

STATION 02310290

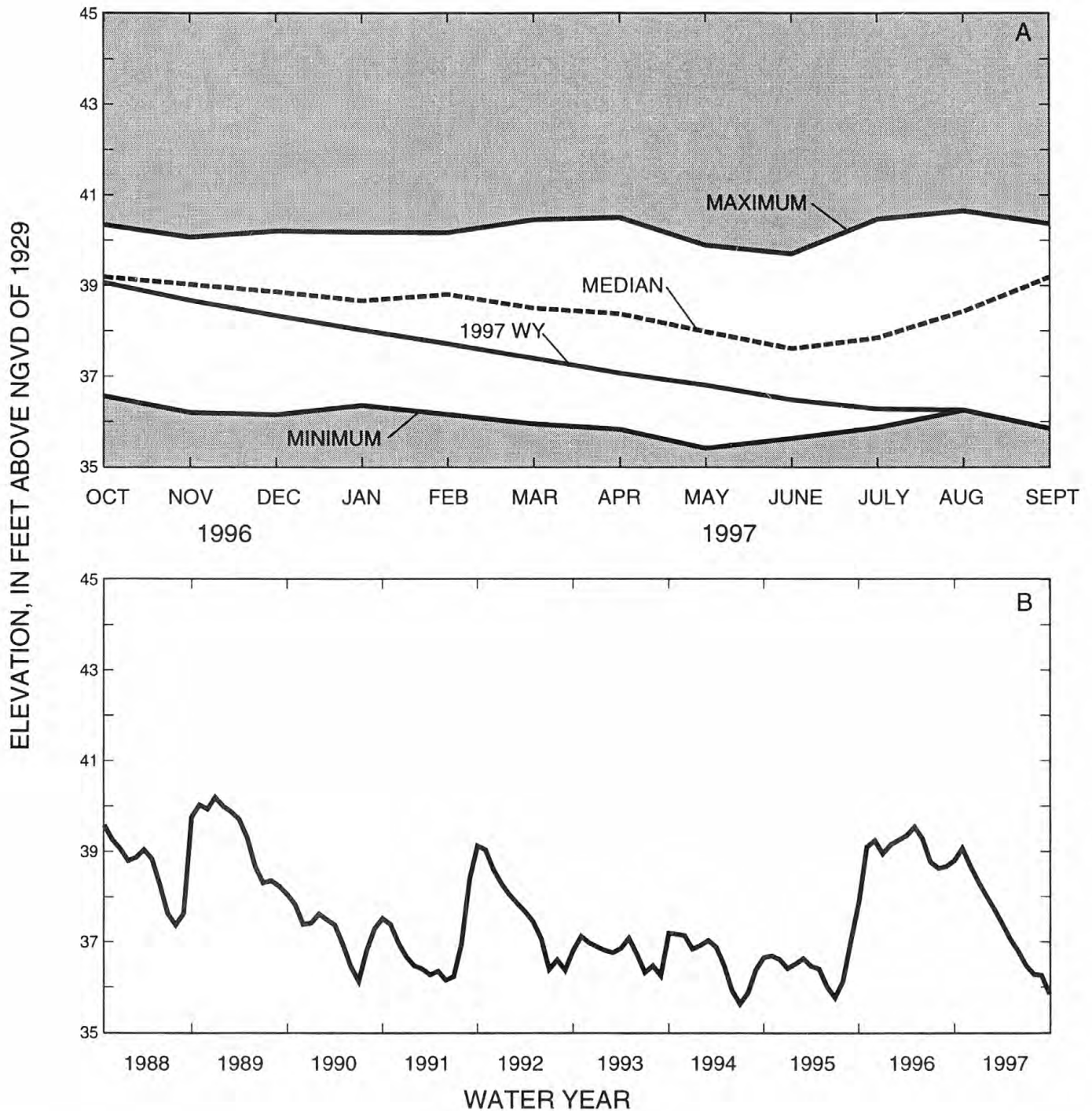


Figure 8.--Moon Lake near New Port Richey (A) 1997 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1988-97.

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LAKE PARKER AT LAKELAND, FLORIDA

STATION 02294259

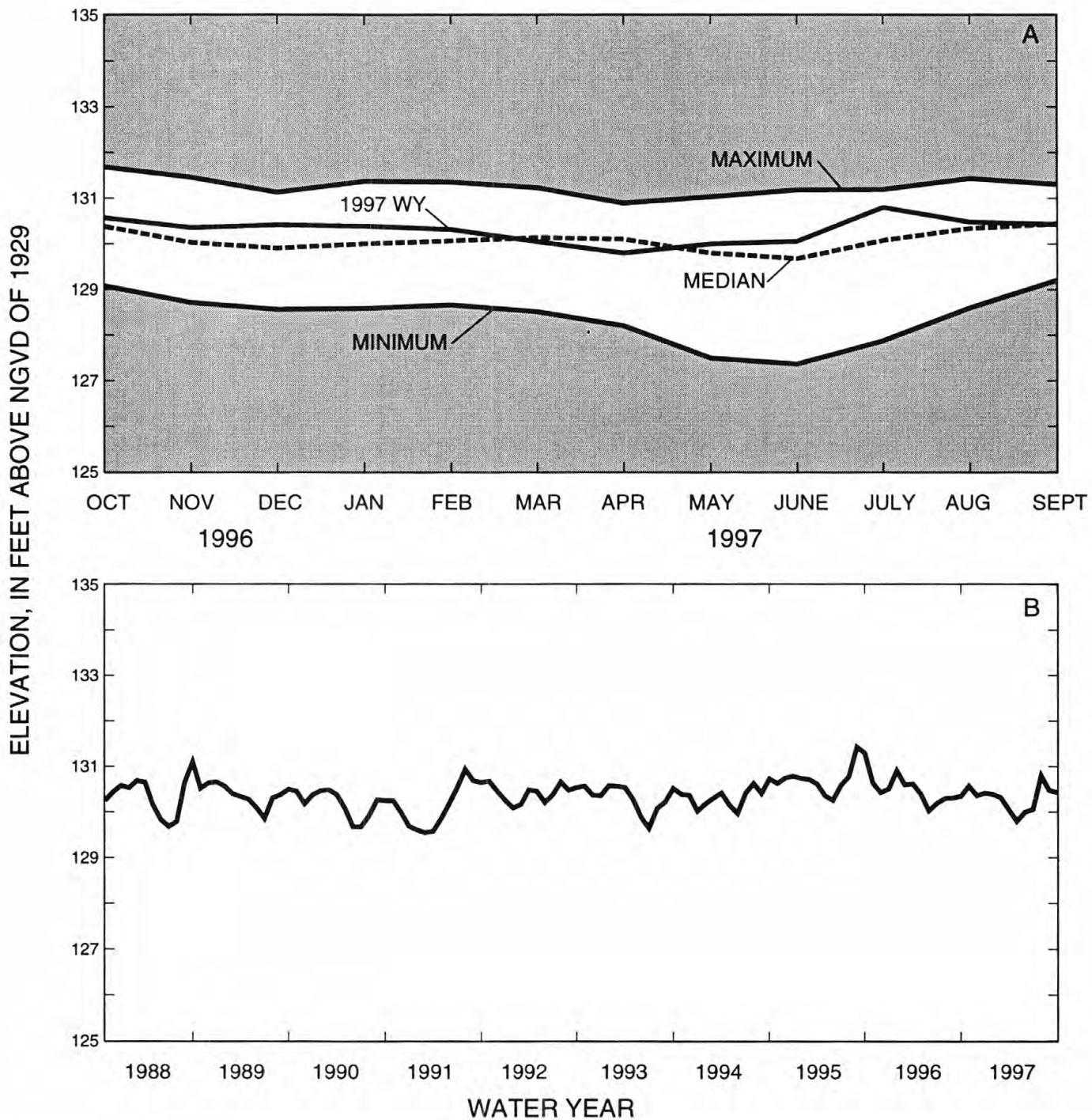


Figure 9.--Lake Parker at Lakeland (A) 1997 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1988-97.

CROOKED LAKE NEAR BABSON PARK, FLORIDA

STATION 02269200

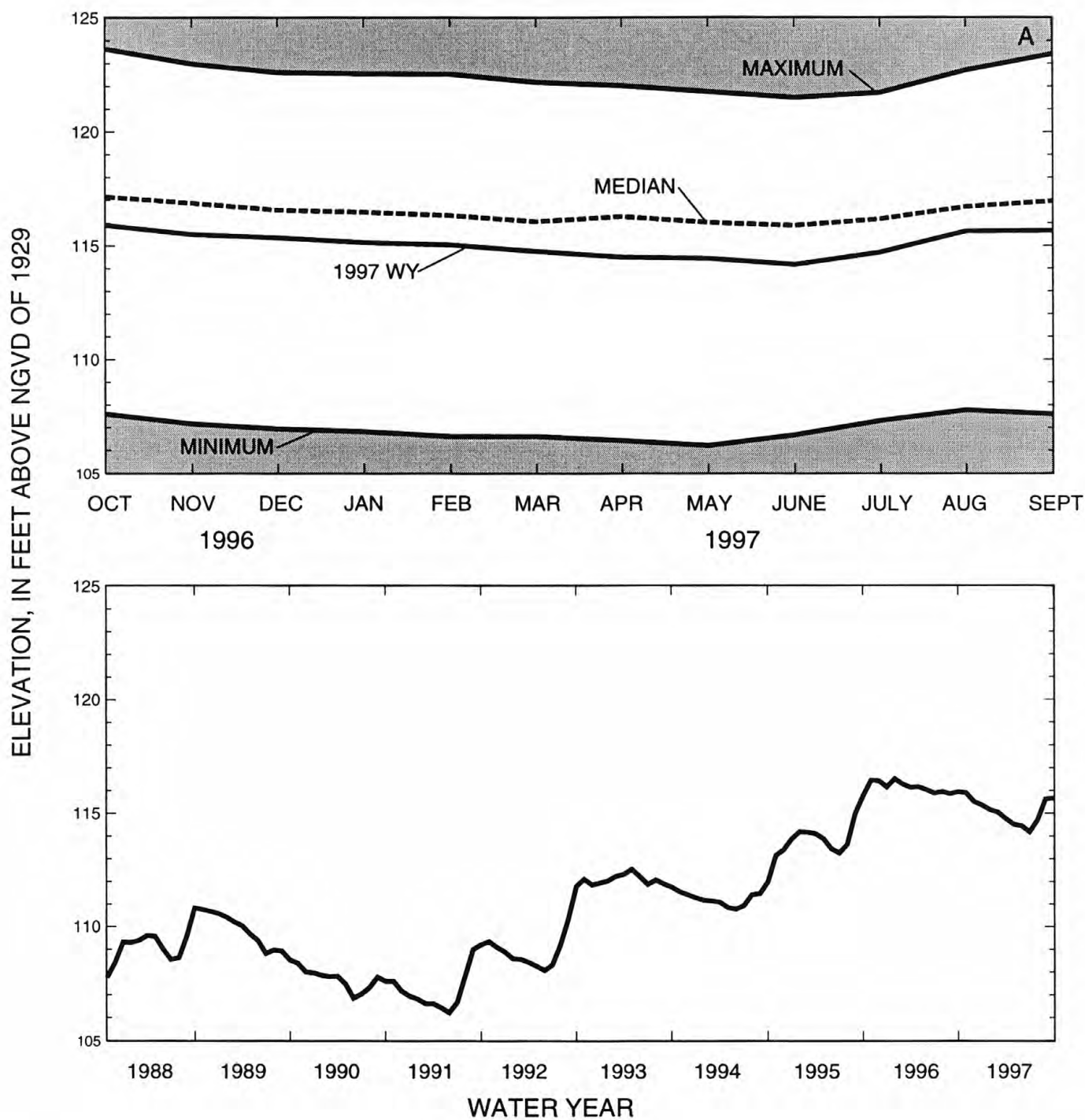


Figure 10.--Crooked Lake near Babson Park (A) 1997 monthly mean stage compared to the maximum, median, and minimum monthly mean stage for the period of record, and (B) the monthly mean stage for the period 1988-97.

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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 hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. 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.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

<http://nadp.nrel.colostate.edu/NADP>

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 53 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 is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html



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

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EXPLANATION OF THE RECORDS

The surface-water records published in this report are for the 1997 water year that began October 1, 1996, and ended September 30, 1997. 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, 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 indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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

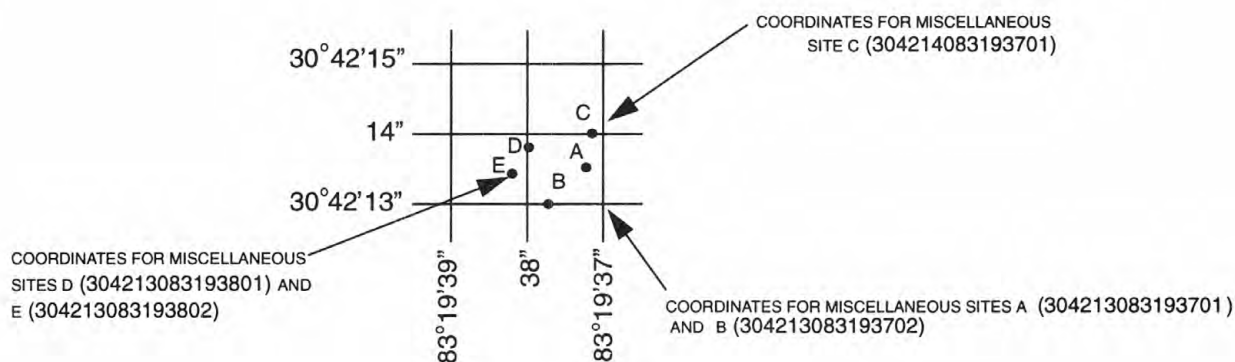


Figure 12.--System for numbering miscellaneous sites (latitude and longitude)

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 analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, 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 by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

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

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

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

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

LOCATION.--Information on locations 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.

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

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

REVISED RECORDS.--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 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 for the year or for the designated period.

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

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The 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 discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

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

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

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

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

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

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

10 PERCENT EXCEEDS.--The discharge that has been exceeded 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

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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 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/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 punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station 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.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained 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; and Book 5, Chapters A1, A3, and A4. 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. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the 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. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

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.

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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.

Laboratory Measurements

Samples for indicator bacteria and daily samples for specific conductance are analyzed in Tampa office. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado and 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. These methods are consistent with ASTM standards and generally follow ISO standards.

In March 1989 the National Water-Quality Laboratory in Arvada, 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 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 temperature 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, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to 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.

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant
V	Analyte was detected in both the environmental sample and the associated blanks

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

Changes 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/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

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.

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 on magnetic tape or 3-1/2 inch floppy disk. 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

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

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

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

Cubic-foot-per-second day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

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

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

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

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

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

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

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 0.02832 cubic meters per second, 7.48 gallons per second, or 448.8 gallons per minute.

Cubic-feet-per-second per square mile [$(\text{ft}^3/\text{s})/\text{mi}^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

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

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

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

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

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

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

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

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

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

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

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

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

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.

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 ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per liter ($\mu\text{g/L}$, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

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

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

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

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

The National Water-Quality Assessment (NAWQA) Program is a long-term U.S. Geological Survey effort to determine the status and trends of water quality in a large, representative part of the Nation's surface- and ground-water resources, and to provide scientific understanding of primary natural and human influences on the quality of these resources.

Organism is any living entity.

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

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

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

Parameter Code is a 5-digit number used in the U.S. Geological Survey's data system, National Water Information System (NWIS), to uniquely identify a specific constituent. The codes used in NWIS are the same as those used in the U.S. Environmental Protection Agency's data system, STORET.

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

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

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

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

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

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

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.

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 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.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water current. 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.

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

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

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

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 consumer 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.

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 by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [$\text{mg C}/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and [$\text{mg C}/(\text{m}^3 \cdot \text{time})$] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radio-active 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.

Milligrams of oxygen per area or volume per unit time [$\text{mgO}_2/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and [$\text{mgO}_2/(\text{m}^3 \cdot \text{time})$] for phytoplankton are the units for expressing primary productivity. They define 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7-day 10-year low flow ($7Q_{10}$) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

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

Solute is any substance that is dissolved in water.

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

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

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

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring emerged or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which 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.

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

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

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

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

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

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

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

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a 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:

KingdomAnimal
 PhylumArthropoda
 ClassInsecta
 OrderEphemeroptera
 FamilyEphemeridae
 GenusHexagenia
 SpeciesHexagenia limbata

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents

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the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

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

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

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

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

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

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1997, is called the "1997 water year."

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

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

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Branch of 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 sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. S. Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurement at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

- 3-A12. *Fluorometric procedures for dye tracing*, Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 34 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
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- 3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
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- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

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- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
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- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
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- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.
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- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
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- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D. N. Myers and F. D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997. 49 pages.

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STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

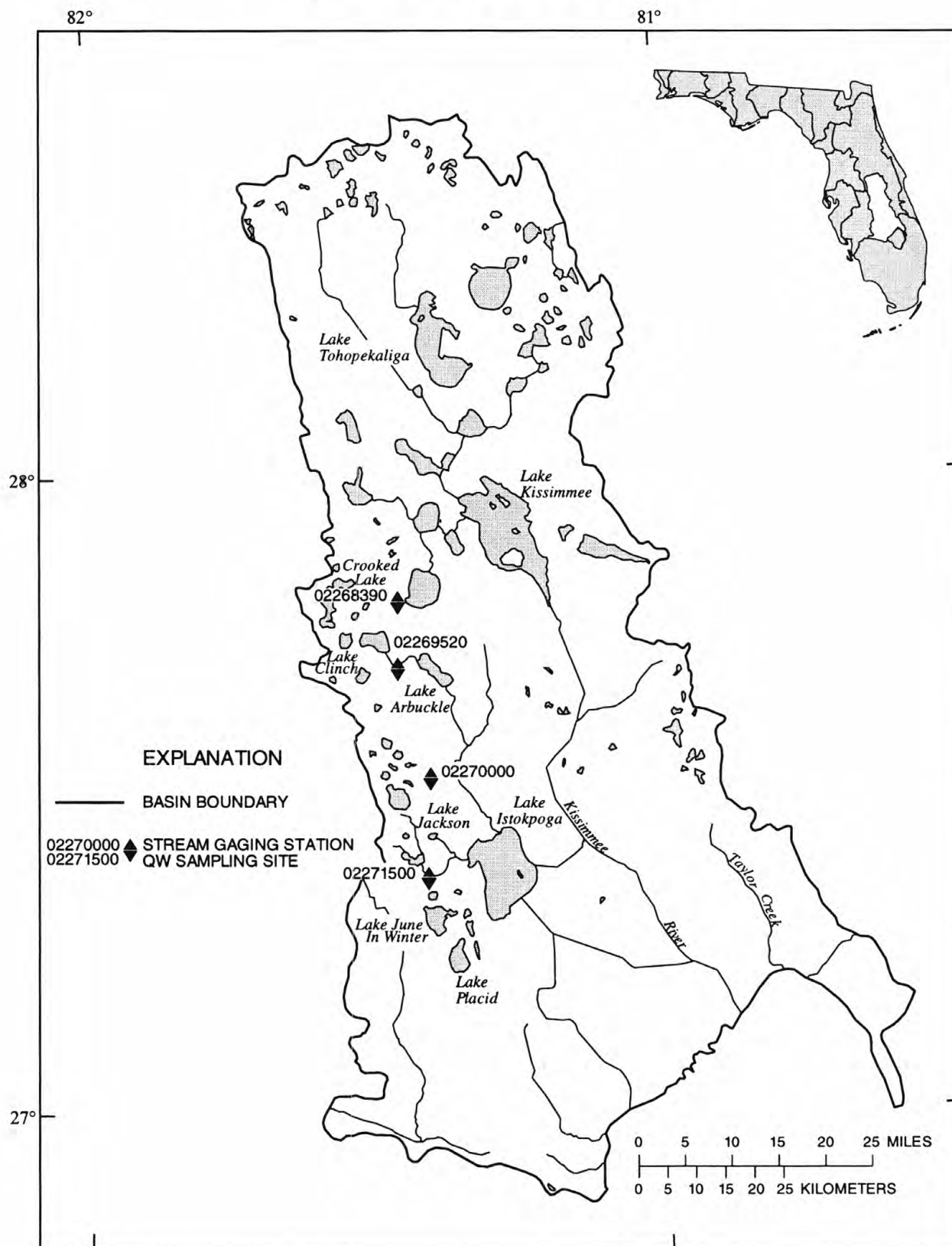


Figure 13.--Location of stream gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN

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02268390 TIGER CREEK NEAR BABSON PARK, FL

LOCATION.--Lat 27°48'40", long 81°26'38", in NE 1/4 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	41	22	30	31	25	19	e40	e25	e24	54	26
2	41	39	29	30	30	25	18	e33	e25	e22	51	27
3	40	38	31	30	30	24	18	e31	e28	e22	56	29
4	39	37	28	29	29	24	17	e30	e40	e27	61	33
5	42	36	27	29	29	23	16	e29	e45	e30	61	36
6	50	35	26	29	29	23	16	e28	42	e35	58	34
7	57	34	30	29	29	22	16	e26	34	e40	52	32
8	e74	e32	50	28	30	21	16	e24	29	e42	48	31
9	e76	e31	51	29	29	21	15	e22	26	50	44	30
10	e80	e30	45	34	29	20	15	e22	25	57	44	28
11	e82	e31	39	35	29	20	15	e19	23	58	61	27
12	e84	e30	37	33	28	19	16	e23	21	67	73	26
13	e82	e30	35	32	28	21	18	e27	20	75	77	26
14	e78	e28	35	32	28	28	20	e32	19	73	72	25
15	e76	e27	34	32	31	33	27	e39	18	67	65	24
16	e76	e26	33	32	35	30	30	e35	17	59	58	24
17	e77	e25	33	32	35	27	26	e29	16	52	53	23
18	e78	e25	32	31	33	25	23	e28	22	49	48	23
19	87	e24	32	30	31	24	21	e28	30	49	44	22
20	85	e23	32	29	30	23	20	e26	26	58	41	21
21	78	23	32	28	30	28	19	e25	24	56	39	21
22	70	22	31	28	29	29	18	e24	23	54	41	20
23	63	22	31	28	30	27	20	e24	e22	55	42	20
24	56	21	31	28	29	25	28	e28	e21	53	39	20
25	52	21	31	28	28	24	26	e31	e24	48	36	20
26	49	22	31	31	28	23	27	e30	e28	46	34	20
27	49	25	31	31	27	22	41	e29	e27	53	32	27
28	48	24	31	31	26	21	41	e28	e25	61	30	42
29	47	23	31	30	---	21	e48	e26	e24	60	29	42
30	44	22	30	31	---	21	e45	e25	e24	59	28	35
31	42	---	30	31	---	20	---	e25	---	58	26	---
TOTAL	1942	847	1021	940	830	739	695	866	773	1559	1497	814
MEAN	62.6	28.2	32.9	30.3	29.6	23.8	23.2	27.9	25.8	50.3	48.3	27.1
MAX	87	41	51	35	35	33	48	40	45	75	77	42
MIN	39	21	22	28	26	19	15	19	16	22	26	20
CFSM	1.19	.53	.62	.57	.56	.45	.44	.53	.49	.95	.91	.51
IN.	1.37	.60	.72	.66	.58	.52	.49	.61	.54	1.10	1.05	.57

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)

MEAN	51.0	34.0	34.2	38.1	33.3	33.4	30.8	21.2	35.9	44.2	57.1	51.7
MAX	75.9	47.0	64.3	57.3	42.5	52.1	47.1	28.7	54.3	52.4	85.2	69.8
(WY)	1996	1995	1995	1996	1995	1993	1993	1996	1996	1995	1995	1994
MIN	20.4	22.1	19.2	20.2	24.8	21.3	21.0	12.8	25.8	37.0	23.5	27.1
(WY)	1994	1994	1994	1992	1994	1992	1994	1992	1997	1992	1993	1997

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1992 - 1997
ANNUAL TOTAL	15776	12523	
ANNUAL MEAN	43.1	34.3	38.8
HIGHEST ANNUAL MEAN			49.5
LOWEST ANNUAL MEAN			33.2
HIGHEST DAILY MEAN	115	87	155
LOWEST DAILY MEAN	19	15	9.1
ANNUAL SEVEN-DAY MINIMUM	21	16	9.8
INSTANTANEOUS PEAK FLOW		88	157
INSTANTANEOUS PEAK STAGE		44.90	45.72
ANNUAL RUNOFF (CFSM)	.82	.65	.73
ANNUAL RUNOFF (INCHES)	11.11	8.82	9.98
10 PERCENT EXCEEDS	71	57	67
50 PERCENT EXCEEDS	38	30	33
90 PERCENT EXCEEDS	25	21	19

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN
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 1996 TO SEPTEMBER 1997

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)
JAN 28...	1025	43.65	31	166	6.2	15.0	8.4
FEB 27...	1100	43.51	27	175	6.2	17.0	8.2
APR 08...	1035	43.16	16	162	6.6	21.0	8.0
SEP 09...	1005	43.80	30	168	6.9	22.5	7.3

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 28...	<0.010	1.70	0.020	0.30	0.020	0.010
FEB 27...	<0.010	1.60	0.020	0.31	0.040	0.010
APR 08...	<0.010	1.30	0.020	0.26	0.020	0.020
SEP 09...	<0.010	1.20	0.020	0.31	<0.020	0.030

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN

37

02269520 LIVINGSTON CREEK NEAR FROSTPROOF, FL

LOCATION.--Lat 27°42'30", long 81°26'48", in SW 1/4 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	37	19	20	22	18	14	21	e15	22	43	28
2	35	36	27	19	22	18	12	20	e16	21	41	29
3	33	34	24	19	21	18	11	19	e16	21	48	28
4	33	31	23	19	20	18	11	19	e18	21	46	29
5	38	30	22	19	20	18	9.9	18	e19	30	43	29
6	49	32	21	19	21	18	9.5	18	e18	72	41	28
7	53	34	24	19	20	17	9.4	17	e17	50	38	27
8	110	31	33	18	20	17	9.6	17	e16	40	37	27
9	125	29	27	19	20	16	9.4	16	e15	42	43	26
10	88	27	24	28	19	16	9.2	16	e14	38	87	25
11	73	26	24	23	19	16	9.2	15	e17	33	145	25
12	66	25	23	22	18	16	10	18	e21	32	97	25
13	61	24	23	21	18	16	10	20	e26	30	81	25
14	58	23	23	22	18	18	11	19	e30	28	72	24
15	56	23	22	22	21	18	17	18	e23	28	62	24
16	55	22	22	23	21	17	15	18	e22	30	57	24
17	58	22	22	22	20	17	13	18	e21	28	52	24
18	58	22	21	20	19	16	13	18	e21	28	48	23
19	56	22	22	19	19	16	11	18	e20	47	45	23
20	52	22	22	18	19	16	10	18	e19	74	43	23
21	50	22	20	18	19	16	9.8	18	e17	62	41	22
22	48	21	19	18	19	16	9.5	17	e16	52	40	22
23	46	21	19	18	20	15	12	17	e19	49	38	22
24	45	20	20	18	19	15	17	16	e21	45	35	22
25	43	19	20	19	19	14	15	15	e23	40	32	22
26	42	21	20	22	19	15	19	e18	e24	37	32	21
27	41	22	20	21	19	15	22	e20	23	50	30	29
28	40	20	20	20	19	14	24	e22	23	131	29	55
29	39	19	20	21	---	15	30	e22	23	88	28	40
30	38	19	20	26	---	16	23	e19	22	58	28	32
31	38	---	20	24	---	15	---	e16	---	47	27	---
TOTAL	1663	756	686	636	550	506	405.5	561	595	1374	1529	803
MEAN	53.6	25.2	22.1	20.5	19.6	16.3	13.5	18.1	19.8	44.3	49.3	26.8
MAX	125	37	33	28	22	18	30	22	30	131	145	55
MIN	33	19	19	18	18	14	9.2	15	14	21	27	21
AC-FT	3300	1500	1360	1260	1090	1000	804	1110	1180	2730	3030	1590
CFSM	.45	.21	.18	.17	.16	.14	.11	.15	.17	.37	.41	.22
IN.	.52	.23	.21	.20	.17	.16	.13	.17	.18	.43	.47	.25

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)

MEAN	93.7	57.2	49.3	52.2	42.5	40.2	34.8	21.2	32.9	49.1	87.4	92.5
MAX	199	120	151	127	100	79.4	63.6	36.2	52.1	101	239	278
(WY)	1996	1996	1995	1995	1995	1995	1995	1995	1996	1995	1995	1995
MIN	24.5	20.7	14.4	15.6	19.6	16.3	13.5	9.88	19.8	23.0	18.4	26.3
(WY)	1994	1994	1994	1992	1997	1997	1997	1992	1997	1993	1993	1993

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1992 - 1997
ANNUAL TOTAL	15692	10064.5	
ANNUAL MEAN	42.9	27.6	54.5
HIGHEST ANNUAL MEAN			125
LOWEST ANNUAL MEAN			27.6
HIGHEST DAILY MEAN	128	Jan 4	145
LOWEST DAILY MEAN	12	May 20	9.2
ANNUAL SEVEN-DAY MINIMUM	14	May 15	9.5
INSTANTANEOUS PEAK FLOW			157
INSTANTANEOUS PEAK STAGE			44.26
ANNUAL RUNOFF (AC-FT)	31130	19960	39480
ANNUAL RUNOFF (CFSM)	.36	.23	.45
ANNUAL RUNOFF (INCHES)	4.86	3.12	6.17
10 PERCENT EXCEEDS	79	48	127
50 PERCENT EXCEEDS	36	22	33
90 PERCENT EXCEEDS	20	16	16

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN
02269520 LIVINGSTON CREEK NEAR FROSTPROOF, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 28...	1105	41.45	20	221	6.0	15.0	8.6
FEB 27...	1125	41.36	19	228	6.2	19.0	8.4
APR 08...	1100	40.92	9.6	235	6.3	21.0	7.8
SEP 09...	1030	41.86	26	226	6.9	24.0	6.4

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 28...	<0.010	0.610	0.060	0.82	0.040	<0.010
FEB 27...	<0.010	0.550	0.080	0.92	0.080	<0.010
APR 08...	<0.010	0.610	0.080	0.77	0.040	<0.010
SEP 09...	<0.010	0.690	0.030	0.72	0.020	0.020

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN

39

02270000 CARTER CREEK NEAR SEBRING, FL

LOCATION.--Lat 27°31'55", long 81°23'16", in SE $\frac{1}{4}$ 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 mi².

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 fair. Regulation by Bonnett Lake control above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	8.5	9.6	9.7	6.4	4.7	11	5.2	7.7	13	6.7
2	13	12	9.6	9.6	9.3	6.3	4.5	10	5.6	7.3	17	6.9
3	13	11	9.4	9.4	8.9	6.2	4.4	9.4	5.3	7.2	27	7.4
4	12	11	9.3	9.2	8.7	6.2	4.3	8.9	5.1	7.0	24	9.0
5	14	11	9.1	9.1	8.7	6.0	4.1	8.7	4.9	15	19	14
6	15	11	9.0	9.0	9.4	5.9	4.1	8.2	4.7	26	20	12
7	23	11	11	8.9	9.3	5.7	4.0	7.8	4.3	17	21	11
8	90	11	16	8.9	8.8	5.6	4.1	7.4	4.2	14	19	9.5
9	66	10	14	9.0	8.4	5.6	4.0	6.6	3.8	20	22	8.6
10	36	10	13	11	8.2	5.5	3.9	6.6	4.6	14	31	8.0
11	27	10	12	11	8.1	5.5	3.8	6.4	4.2	12	23	7.6
12	23	9.8	12	10	7.9	5.3	5.4	7.1	5.5	11	18	7.8
13	21	9.6	12	10	7.8	5.4	6.1	8.9	6.7	11	15	11
14	20	9.5	11	11	7.7	6.5	5.8	8.3	6.4	10	13	14
15	18	9.5	11	12	8.0	7.0	8.4	7.7	8.3	23	12	12
16	18	9.4	11	13	7.9	6.6	9.2	7.3	7.7	47	11	11
17	20	9.3	11	12	8.0	6.1	9.4	7.2	7.3	21	11	9.6
18	22	9.3	11	11	7.7	5.9	7.5	7.0	8.4	17	10	8.7
19	19	9.3	11	11	7.4	5.6	7.7	6.8	7.7	20	9.5	8.2
20	17	9.2	10	10	7.3	5.5	6.6	6.6	6.1	20	9.6	7.8
21	16	9.0	10	9.9	7.1	5.5	6.4	6.4	8.0	18	9.1	7.4
22	15	9.0	10	9.7	6.9	5.5	6.1	6.1	7.1	16	9.0	7.0
23	15	8.8	10	9.5	6.9	5.4	6.7	6.0	6.6	16	8.7	6.8
24	14	8.7	10	9.4	6.8	5.2	9.8	5.8	6.5	15	8.3	6.7
25	14	8.6	10	9.6	6.7	5.1	8.5	5.5	6.4	13	8.0	12
26	14	8.8	9.9	9.4	6.7	5.0	12	5.3	9.8	16	8.3	13
27	13	8.9	9.9	9.2	6.5	4.9	16	5.2	9.5	21	7.7	55
28	13	8.7	10	9.1	6.5	4.8	15	5.0	8.5	16	7.4	103
29	13	8.5	9.8	8.9	---	4.9	18	4.9	8.0	14	7.1	61
30	12	8.5	9.7	10	---	5.3	13	4.8	8.4	14	6.9	39
31	12	---	9.8	10	---	5.0	---	5.8	---	13	6.8	---
TOTAL	651	292.4	330.0	309.4	221.3	175.4	223.5	218.7	194.8	499.2	432.4	501.7
MEAN	21.0	9.75	10.6	9.98	7.90	5.66	7.45	7.05	6.49	16.1	13.9	16.7
MAX	90	12	16	13	9.7	7.0	18	11	9.8	47	31	103
MIN	12	8.5	8.5	8.9	6.5	4.8	3.8	4.8	3.8	7.0	6.8	6.7
AC-FT	1290	580	655	614	439	348	443	434	386	990	858	995
CFSM	.54	.25	.27	.26	.20	.15	.19	.18	.17	.42	.36	.43
IN.	.62	.28	.32	.30	.21	.17	.21	.21	.19	.48	.41	.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1997, BY WATER YEAR (WY)

	MEAN	40.1	25.2	19.1	20.8	21.3	21.4	17.3	14.3	24.3	31.3	37.1	44.6
MAX	130	78.7	45.3	56.0	52.3	61.5	51.3	36.6	54.2	103	102	146	
(WY)	1960	1960	1960	1958	1960	1958	1958	1957	1959	1959	1960	1960	
MIN	9.75	9.19	8.62	7.16	7.90	5.66	4.25	3.52	6.49	9.73	9.46	12.5	
(WY)	1962	1993	1993	1992	1997	1997	1994	1994	1997	1956	1993	1996	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1955 - 1997
ANNUAL TOTAL	5550.4	4049.8	
ANNUAL MEAN	15.2	11.1	26.7
HIGHEST ANNUAL MEAN			65.6
LOWEST ANNUAL MEAN			11.1
HIGHEST DAILY MEAN	90	Oct 8	352
LOWEST DAILY MEAN	5.1	May 20	2.3
ANNUAL SEVEN-DAY MINIMUM	5.5	May 15	2.6
INSTANTANEOUS PEAK FLOW			552
INSTANTANEOUS PEAK STAGE		8.72	Oct 8
ANNUAL RUNOFF (AC-FT)	11010	8030	19310
ANNUAL RUNOFF (CFSM)	.39	.29	.69
ANNUAL RUNOFF (INCHES)	5.32	3.88	9.33
10 PERCENT EXCEEDS	23	18	53
50 PERCENT EXCEEDS	13	9.1	19
90 PERCENT EXCEEDS	8.0	5.4	7.5

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN
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 1996 TO SEPTEMBER 1997

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)
JAN 28...	1300	5.24	9.2	175	6.4	16.0	8.7
FEB 27...	1245	5.05	6.6	184	6.0	19.0	9.2
APR 08...	1205	4.83	4.1	175	6.6	21.0	8.5
SEP 09...	1220	5.20	8.6	150	6.5	23.5	7.5

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 28...	<0.010	0.420	0.050	0.81	0.030	<0.010
FEB 27...	<0.010	0.200	0.020	0.76	0.050	<0.010
APR 08...	<0.010	0.180	0.040	0.63	0.030	<0.010
SEP 09...	<0.010	0.230	0.040	0.64	0.020	0.020

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 mi², 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 fair. Some regulation by gate manipulations at structure G-90 located on Lake June-in-Winter outflow canal. Discharge affected by pump-
age.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	6.4	6.0	11	4.9	2.5	e17	e2.3	15	128	35
2	10	11	6.9	5.9	9.7	4.8	2.2	e14	e3.5	15	116	35
3	10	11	6.6	5.9	8.9	4.8	2.1	e11	e3.0	21	112	36
4	10	9.6	6.4	6.1	8.1	4.8	2.1	e9.0	e2.7	18	113	45
5	12	8.8	6.4	6.1	7.7	4.8	1.9	e7.4	e2.5	16	115	55
6	14	8.6	6.4	6.0	8.1	4.8	1.8	e6.0	e2.2	24	120	49
7	21	8.8	6.6	5.9	8.3	4.6	1.9	e5.0	e2.0	23	123	43
8	48	9.0	8.2	5.8	8.1	4.6	2.1	e4.0	e1.8	21	120	39
9	75	8.8	8.4	6.0	7.6	4.4	1.7	3.2	e2.5	20	157	35
10	66	8.2	7.9	7.1	7.2	4.4	1.5	2.7	e3.5	18	178	25
11	54	7.7	8.0	7.1	6.8	4.4	1.5	2.3	e4.5	17	193	20
12	44	7.2	7.7	6.8	5.9	4.3	3.9	4.4	e7.0	17	208	25
13	37	6.9	7.6	6.8	6.0	4.4	e4.5	11	10	36	227	46
14	33	6.9	7.1	7.9	6.2	5.4	e8.2	12	11	73	229	45
15	30	6.8	6.7	8.2	6.7	5.5	e8.4	10	15	79	189	48
16	28	6.9	6.6	8.5	6.9	4.8	e7.0	8.4	17	78	167	42
17	27	6.8	6.7	8.1	6.8	4.5	e6.0	7.3	15	66	142	36
18	27	7.0	6.4	7.2	6.3	4.2	e5.0	6.6	16	58	125	30
19	26	6.8	6.7	6.6	6.1	4.0	e4.8	7.3	14	60	111	26
20	22	6.7	7.2	6.4	6.0	3.8	e4.3	6.8	12	75	101	48
21	19	6.7	6.9	6.1	6.0	4.1	e4.0	6.0	14	68	96	53
22	17	6.5	6.6	6.0	5.8	4.0	e5.0	5.2	12	64	95	46
23	16	6.4	6.4	5.9	5.7	3.6	e6.0	6.2	11	69	93	39
24	16	6.4	6.3	6.1	5.5	3.4	e7.0	5.4	12	63	92	34
25	15	6.5	6.1	6.4	5.5	3.2	e9.0	4.3	12	56	80	60
26	14	6.7	6.1	6.8	5.4	3.2	e11	3.7	18	58	71	68
27	14	6.6	6.1	6.5	5.1	3.2	e14	3.0	25	63	62	93
28	13	6.4	6.3	6.0	5.0	3.0	e17	2.1	22	57	55	232
29	12	6.4	6.5	5.9	---	3.0	e20	1.7	17	55	49	235
30	12	6.4	6.4	11	---	3.0	e21	1.5	17	118	43	209
31	12	---	6.2	12	---	2.8	---	1.4	---	138	39	---
TOTAL	765	229.5	210.8	213.1	192.4	128.7	187.4	195.9	307.5	1559	3749	1832
MEAN	24.7	7.65	6.80	6.87	6.87	4.15	6.25	6.32	10.3	50.3	121	61.1
MAX	75	11	8.4	12	11	5.5	21	17	25	138	229	235
MIN	10	6.4	6.1	5.8	5.0	2.8	1.5	1.4	1.8	15	39	20
AC-FT	1520	455	418	423	382	255	372	389	610	3090	7440	3630
CFSM	.23	.07	.06	.06	.06	.04	.06	.06	.09	.46	1.11	.56
IN.	.26	.08	.07	.07	.07	.04	.06	.07	.10	.53	1.28	.33

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1997, BY WATER YEAR (WY)

MEAN	132	64.7	44.7	44.9	46.1	49.6	40.0	22.6	54.3	84.0	124	164
MAX	601	296	201	167	174	187	177	131	221	318	614	770
(WY)	1954	1948	1954	1948	1983	1970	1958	1958	1947	1947	1960	1960
MIN	17.3	7.65	6.80	6.87	6.69	4.15	1.89	1.05	3.12	3.13	8.87	12.6
(WY)	1973	1997	1997	1997	1962	1997	1956	1956	1956	1956	1950	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1947 - 1997
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WATER STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1997 WATER YEAR			WATER YEARS 1947 - 1997	
ANNUAL TOTAL	13364.0			9570.3				
ANNUAL MEAN	36.5			26.2			72.7	
HIGHEST ANNUAL MEAN							268	1960
LOWEST ANNUAL MEAN							15.1	1956
HIGHEST DAILY MEAN	245	Jun 28		235	Sep 29		1680	Sep 23 1948
LOWEST DAILY MEAN	6.1	Dec 25		1.4	May 31		.50	May 22 1956
ANNUAL SEVEN-DAY MINIMUM	6.2	Dec 25		1.8	Apr 5		.69	May 21 1956
INSTANTANEOUS PEAK FLOW				258	Aug 13		1780	Sep 23 1948
INSTANTANEOUS PEAK STAGE				6.07	Aug 13		10.67	Sep 23 1948
ANNUAL RUNOFF (AC-FT)	26510			18980			52690	
ANNUAL RUNOFF (CFSM)	.33			.24			.67	
ANNUAL RUNOFF (INCHES)	4.56			3.27			9.07	
10 PERCENT EXCEEDS	74			72			170	
50 PERCENT EXCEEDS	24			7.9			39	
90 PERCENT EXCEEDS	6.9			3.5			8.2	

SOUTHERN FLORIDA
KISSIMMEE RIVER BASIN
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 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
JAN 28...	1405	2.80	6.0	172	6.2	18.0	--	6.4	--	--	--	--
FEB 27...	1335	2.77	5.1	175	6.8	22.5	100	5.1	14	5.6	6.0	2.4
APR 08...	1250	2.77	2.0	183	6.2	23.5	40	5.2	16	6.2	5.4	2.4
SEP 09...	1310	4.37	36	153	5.9	27.0	40	5.7	9.3	5.2	8.1	3.4

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN 28...	--	--	--	--	--	0.010	1.20	0.100	0.43	0.040	0.030	--
FEB 27...	31	13	<0.10	7.4	118	0.010	1.20	0.120	0.58	0.060	0.030	550
APR 08...	30	13	<0.10	8.1	120	0.020	1.40	0.130	0.72	0.060	0.020	190
SEP 09...	28	16	<0.10	4.4	112	<0.010	0.330	0.060	0.79	<0.020	0.030	260

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

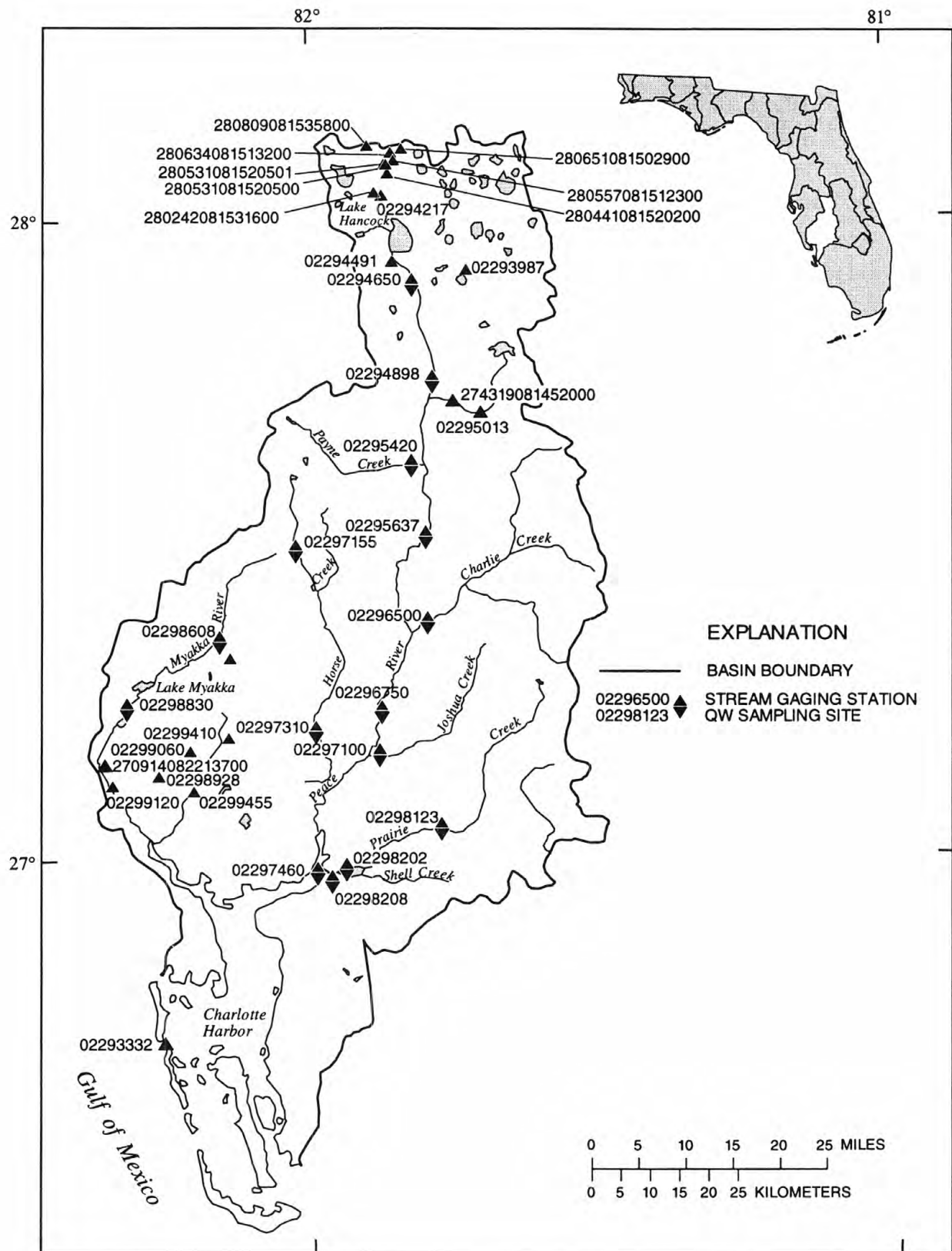


Figure 14.--Location of stream gaging stations in the Peace and Myakka River basins, Charlotte Harbor and Coastal area.

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
02293332 CHARLOTTE HARBOR AT PORT BOCA GRANDE, FL

45

LOCATION.--Lat 26°43'12", long 82°15'30", in NE 1/4 sec.26, T.43 S., R.20 E., Lee County, Hydrologic Unit 03100103, on a fishing pier on the 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.

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.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 3.34 ft, Oct. 7; minimum, 1.46 ft below NGVD, Feb. 17.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	1.44	-.20	1.48	.27	1.53	.22	.81	-.19	.94	-.67	1.10	-.38
2	1.43	.01	1.51	.31	1.09	-.24	.73	-.15	.96	-.56	1.06	-.47
3	1.44	.07	1.27	-.53	.53	-.18	.86	-.24	.96	-.63	1.14	-.51
4	1.36	.11	.88	-.11	.81	-.36	1.25	-.54	1.55	-.98	1.05	-.66
5	1.39	.26	1.19	.34	1.16	-.08	1.27	-.48	1.37	-.92	1.42	-.80
6	1.68	.39	1.29	.36	1.27	-.25	1.45	-.69	1.48	-.89	.93	-.67
7	3.34	1.48	1.72	.25	1.66	-.21	1.42	-.75	1.60	-.84	1.07	-1.28
8	3.25	.87	1.50	.34	1.11	-.38	1.73	-1.01	1.65	-.56	1.20	-.86
9	1.41	.48	1.29	-.93	.90	-1.12	1.73	-.58	.94	-.97	1.22	-.63
10	1.31	.08	1.19	-.60	1.42	-1.31	1.48	-1.27	---	---	1.12	-.44
11	.93	-.19	1.05	-.82	1.58	-.94	1.50	-.91	---	---	1.03	-.40
12	.87	-.33	1.02	-1.28	1.61	-.95	.95	-.94	.95	-.22	1.01	-.42
13	.96	-.50	.72	-1.22	1.55	-.83	.20	-1.19	1.49	-.18	1.63	.15
14	1.39	-.44	.92	-1.12	1.19	-1.00	.46	-1.01	1.36	.03	1.57	-.21
15	1.52	-.23	1.36	-.55	.89	-.77	1.42	-.25	.83	-.86	1.01	-.44
16	1.67	-.06	1.16	-.35	.94	-.33	.95	-.26	.12	-1.36	.61	-.70
17	1.76	.20	1.64	.24	1.33	.31	.56	-.71	.05	-1.46	.98	-.86
18	1.84	.09	1.49	.37	1.46	.42	.09	-1.01	.73	-1.41	1.13	-.49
19	1.27	-.23	1.41	.49	.82	-.92	1.10	-1.26	1.05	-.82	1.00	-.27
20	1.48	.27	1.62	.47	.39	-1.45	1.12	-.80	1.20	-.69	1.33	-.32
21	1.43	.27	1.64	.30	.49	-1.36	1.01	-.85	1.33	-.43	1.28	.00
22	1.48	.47	1.32	.03	1.06	-1.22	1.20	-.94	1.37	-.25	1.19	-.15
23	1.42	.40	1.71	-.57	1.43	-.95	1.16	-.87	.80	-.79	1.04	-.20
24	1.52	.09	1.88	-.37	1.39	-.68	1.21	-.72	.32	-1.12	1.05	-.31
25	1.69	.01	1.88	-.18	1.33	-.82	1.33	-.44	.63	-.41	1.07	-.25
26	1.64	-.11	1.82	-.33	1.15	-.89	.81	-1.13	1.00	-.08	1.15	-.47
27	1.64	-.51	1.06	-1.05	1.19	-.82	.72	-.65	1.03	-.15	.97	-.50
28	1.41	-.57	.57	-1.20	.90	-.85	.73	-.23	.99	-.28	1.14	-.42
29	1.38	-.35	1.07	-.70	.86	-.64	.78	-.42	---	---	1.06	-.75
30	1.55	-.17	1.39	.00	.57	-.76	.47	-.39	---	---	1.04	-.62
31	1.53	-.19	---	---	.57	-.36	.38	-.53	---	---	---	---
MONTH	3.34	-.57	1.88	-1.28	1.66	-1.45	1.73	-1.27	---	---	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
02293332 CHARLOTTE HARBOR AT PORT BOCA GRANDE, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	1.16	-.20	1.69	.15	1.35	-.56	1.41	-.52	1.52	-.11
2	1.18	-.99	1.27	-.05	1.54	-.33	1.63	-.45	1.54	-.23	1.52	.14
3	1.35	-.80	1.50	.22	1.49	-.60	1.53	-.56	1.49	-.31	1.38	.31
4	1.43	-.31	1.33	-.42	1.54	-.55	1.68	-.53	1.49	-.13	1.38	.37
5	1.45	-.20	.66	-.80	1.71	-.49	1.61	-.60	1.37	-.04	1.17	-.17
6	1.40	-.10	1.43	-.51	1.65	-.58	1.45	-.64	1.18	-.07	.96	.05
7	1.37	-.46	1.50	-.70	1.47	-.58	1.24	-.45	.94	-.03	1.25	.21
8	1.06	-.76	1.67	-.54	1.19	-.47	1.04	-.59	.86	.05	1.44	.33
9	1.27	-.79	1.42	-.61	1.54	-.23	1.09	-.24	.91	.23	1.45	.25
10	1.09	-.83	1.32	-.57	1.27	-.36	.99	-.07	1.09	.18	1.61	.17
11	1.69	-.38	1.27	-.37	.93	-.16	.98	.05	1.12	.07	1.87	.23
12	1.57	-.28	1.84	-.21	1.19	-.03	1.08	.12	1.21	-.18	1.78	.07
13	1.36	-.38	1.12	-.22	1.33	.16	1.12	.19	1.26	-.21	1.71	-.10
14	.72	-.54	.76	-.24	1.52	.38	1.23	-.09	1.45	-.27	1.73	-.14
15	.31	-.67	.76	-.29	1.37	.12	---	---	1.62	-.34	1.80	.03
16	.58	-.59	.76	-.33	1.31	-.15	1.36	-.58	1.80	-.41	1.76	.17
17	.89	-.25	.87	-.14	1.30	-.31	1.38	-.62	1.74	-.43	1.64	.10
18	.67	-.31	1.01	-.32	1.48	-.56	1.66	-.53	1.72	-.36	1.48	-.05
19	.84	-.12	1.13	-.26	1.45	-.75	1.82	-.68	1.65	-.28	1.34	-.31
20	1.09	-.10	1.18	-.63	1.40	-.84	1.76	-.52	1.45	.04	1.48	-.19
21	1.28	-.17	1.16	-.76	1.57	-.76	1.61	-.50	1.42	.17	1.46	-.18
22	1.39	-.24	1.15	-.88	1.58	-.78	1.49	-.42	1.43	.29	1.37	-.18
23	2.07	.15	1.33	-.81	1.47	-.81	1.50	-.14	1.41	.13	1.49	-.06
24	1.24	-.53	1.47	-.71	1.52	-.87	1.47	-.05	1.37	.18	1.33	.20
25	1.63	-.41	1.65	-.49	1.17	-.76	.99	.03	1.34	-.10	1.39	.21
26	1.57	-.38	1.42	-.63	1.09	-.48	.97	-.06	1.38	-.12	1.84	.61
27	1.99	.12	1.02	-.72	.87	-.30	1.30	-.08	1.43	-.03	2.00	.74
28	2.30	.01	1.01	-.63	1.04	-.09	1.29	-.27	1.41	-.04	1.53	.09
29	1.17	-.29	.74	-.74	1.35	-.13	1.22	-.40	1.47	-.13	1.04	-.14
30	---	---	.90	-.49	1.37	-.36	1.33	-.41	1.36	-.12	1.07	.04
31	---	---	1.12	-.16	---	---	1.50	-.49	1.46	.06	---	---
MONTH	---	---	1.84	-.88	1.71	-.87	---	---	1.80	-.52	2.00	-.31

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

47

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, on downstream side of bridge on State Highway 665, 0.5 mi north of U.S. 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 mi².

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).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	26	17	21	17	10	8.2	e31	13	35	192	86
2	48	25	47	20	17	10	8.1	e32	12	33	192	116
3	45	23	39	20	16	10	8.3	29	11	30	255	123
4	46	22	32	19	15	9.8	8.1	27	11	33	324	114
5	59	20	28	19	16	8.2	7.4	23	9.5	118	352	107
6	67	20	27	18	15	8.1	7.0	20	8.3	106	338	102
7	110	20	29	18	15	7.7	6.9	17	8.4	109	325	96
8	176	19	70	17	15	7.2	7.4	16	7.5	97	326	92
9	209	19	67	18	14	6.9	7.1	14	7.3	98	318	86
10	220	18	59	23	14	6.8	6.8	15	7.8	101	320	80
11	213	17	48	23	14	6.7	6.6	14	12	109	356	75
12	193	17	42	21	14	6.6	9.1	14	24	138	350	73
13	170	16	40	20	14	7.0	9.4	22	16	130	340	77
14	148	16	38	20	14	22	8.7	17	19	118	349	72
15	128	17	35	21	14	26	e5.0	15	22	111	348	61
16	112	17	34	21	15	19	e5.7	13	20	104	337	56
17	95	17	33	20	17	14	e5.5	13	18	104	322	54
18	77	16	34	19	18	12	e5.3	12	17	133	299	48
19	61	16	29	18	15	12	e5.2	11	14	139	278	40
20	53	16	28	18	15	11	e4.1	12	14	132	259	37
21	47	15	27	18	14	17	e4.4	11	12	125	238	34
22	43	15	26	17	13	17	e5.0	9.9	11	125	218	31
23	40	14	25	17	12	15	e6.6	11	9.3	135	200	29
24	37	14	25	17	12	13	e7.1	9.6	9.5	132	181	29
25	35	14	24	17	11	12	e7.1	8.9	12	126	163	29
26	33	17	24	17	11	11	e7.0	8.1	15	114	150	29
27	31	19	23	16	11	11	e7.2	7.7	18	102	137	43
28	30	17	23	17	11	9.8	e8.0	8.3	23	97	123	83
29	29	17	22	16	---	9.2	e16	10	38	112	111	78
30	27	16	21	16	---	9.2	e22	13	38	135	100	69
31	27	---	21	17	---	8.7	---	13	---	159	89	---
TOTAL	2658	535	1037	579	399	353.9	230.3	477.5	457.6	3340	7890	2049
MEAN	85.7	17.8	33.5	18.7	14.3	11.4	7.68	15.4	15.3	108	255	68.3
MAX	220	26	70	23	18	26	22	32	38	159	356	123
MIN	27	14	17	16	11	6.6	4.1	7.7	7.3	30	89	29

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997
MEAN	166	75.6	52.7	97.6	56.1	53.7
MAX	372	228	175	282	99.5	124
(WY)	1995	1995	1995	1996	1993	1993
MIN	44.6	17.8	11.0	8.13	14.2	10.9
(WY)	1992	1997	1992	1992	1992	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1992 - 1997
ANNUAL TOTAL	37169.1	20006.3	
ANNUAL MEAN	102	54.8	98.0
HIGHEST ANNUAL MEAN			172
LOWEST ANNUAL MEAN			54.8
HIGHEST DAILY MEAN	404	356	739
LOWEST DAILY MEAN	5.7	e4.1	3.1
ANNUAL SEVEN-DAY MINIMUM	6.8	5.0	3.6
INSTANTANEOUS PEAK FLOW		378	739
INSTANTANEOUS PEAK STAGE		42.41	43.89
10 PERCENT EXCEEDS	252	137	282
50 PERCENT EXCEEDS	67	20	46
90 PERCENT EXCEEDS	13	8.2	8.9

LOCATION.--Lat 28°08'09", long 81°53'58", in NE $\frac{1}{4}$ sec.15, T.27 S., R.24 E., Polk County, Hydrologic Unit 03100101, on west shore at concrete control structure, 0.3 mi south of intersection Interstate 4 and State Highway 33, and 7.3 mi northeast of Lakeland.

REMARKS.--Records good.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	.04	1.6	6.7	.06	.00	.45	.00	.00
2	---	---	---	---	.05	5.0	5.0	.01	.00	.19	.10	.00
3	---	---	---	---	6.1	7.0	3.2	.00	.00	.12	.23	.00
4	---	---	---	---	7.8	5.3	2.0	.00	.00	.07	.07	.00
5	---	---	---	---	5.8	3.2	1.2	.00	.00	.08	.03	.00
6	---	---	---	---	3.5	1.9	.73	.00	.00	1.0	.02	.00
7	---	---	---	---	2.0	1.2	.62	.00	.00	2.2	.07	.00
8	---	---	---	---	1.2	.79	.45	.00	.00	2.1	.20	.24
9	---	---	---	---	.78	.54	.28	.00	.00	1.9	.21	.45
10	---	---	---	---	.58	.39	.19	.00	.10	2.2	.69	.87
11	---	---	---	---	.45	.84	.14	.00	.58	4.5	2.3	4.2
12	---	---	---	---	.27	1.1	.10	.00	1.5	4.7	2.8	7.7
13	---	---	---	---	.20	.74	.08	.00	1.5	3.8	2.9	7.9
14	---	---	---	---	.18	.51	.06	.00	1.3	2.8	2.7	7.4
15	---	---	---	---	.30	.28	.05	.00	.68	2.0	2.4	6.5
16	---	---	---	---	.63	.18	.07	.00	.43	1.5	2.1	5.0
17	---	---	---	---	.31	.13	.05	.00	.17	2.0	1.8	3.7
18	---	---	---	---	.20	.09	.05	.00	.07	1.8	.77	2.9
19	---	---	---	---	.18	.06	.03	.00	.16	1.0	.10	2.4
20	---	---	---	---	.15	.04	.02	.00	.14	.74	.04	2.0
21	---	---	---	---	.13	.03	.01	.00	.88	.22	.12	1.8
22	---	---	---	---	.12	.02	.00	.00	1.2	.18	.05	2.8
23	---	---	---	---	.11	.01	.00	.00	.69	.19	.02	3.9
24	---	---	---	---	.12	.00	.00	.00	.47	.07	.01	4.1
25	---	---	---	---	.11	.00	.00	.00	.34	.02	.00	3.6
26	---	---	---	---	.11	.00	.00	.00	.32	.00	.00	2.9
27	---	---	---	---	.10	.01	.00	.00	.62	.00	.00	2.2
28	---	---	---	---	.08	1.1	.00	.00	1.2	.00	.00	1.9
29	---	---	---	---	.51	4.0	.00	.00	.88	.00	.00	1.4
30	---	---	---	---	---	5.0	.05	.00	1.4	.00	.00	.51
31	---	---	---	---	---	6.6	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	32.11	47.66	21.08	0.07	14.63	35.83	19.73	76.37
MEAN	---	---	---	---	1.11	1.54	.70	.002	.49	1.16	.64	2.55
MAX	---	---	---	---	7.8	7.0	6.7	.06	1.5	4.7	2.9	7.9
MIN	---	---	---	---	.04	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	.64	.95	.42	.1	.29	.71	.39	.151
CFSM	---	---	---	---	1.38	1.92	.88	.00	.61	1.44	.80	3.18
IN.	---	---	---	---	1.49	2.22	.98	.00	.68	1.67	.92	3.55

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

49

280809081535800 WILLIAMS POND CLAY SETTLING AREA OUTFALL NEAR LAKELAND, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.49	.00	.01	.00	.00	.00	.00	1.9	.00	.89	4.4	.00
2	.17	.00	.02	.00	.00	.00	.00	1.9	.01	.76	3.7	.00
3	.26	.00	.01	.00	.00	.00	.00	1.9	.00	.91	3.0	.17
4	.15	.00	.00	.00	.00	.00	.00	1.8	.00	.67	2.5	.29
5	.11	.00	.00	.00	.00	.00	.00	1.8	.00	.88	2.3	.13
6	.48	.00	.00	.00	.00	.00	.00	1.7	.00	1.3	2.0	.04
7	1.7	.00	.67	.00	.00	.00	.00	1.6	.00	1.6	1.9	.02
8	5.4	.00	1.7	.00	.00	.00	.00	1.4	.00	1.6	1.8	.01
9	8.6	.00	1.3	.00	.00	.00	.00	.77	.02	1.6	1.7	.00
10	8.2	.00	.30	.06	.00	.00	.00	.27	.14	1.5	1.5	.00
11	6.9	.00	e.14	.04	.00	.00	.00	.13	.54	1.3	1.1	.00
12	5.1	.00	.05	.02	.00	.00	.00	.28	3.3	.99	.61	.00
13	3.6	.00	.03	.01	.00	.00	.00	.35	5.3	.65	.31	.00
14	2.5	.00	.02	.00	.00	.00	.00	.13	5.5	.37	.23	.00
15	1.9	.00	.01	.00	.00	.00	.00	.07	5.0	.23	.28	.00
16	1.4	.00	.01	.02	.01	.00	.00	.05	4.3	.22	.46	.00
17	.26	.00	.00	.01	.07	.00	.00	.04	3.9	.16	.18	.00
18	.12	.00	.00	.00	.03	.00	.00	.02	3.5	.12	.13	.00
19	.06	.00	.00	.00	.02	.00	.00	.02	3.1	.11	.08	.00
20	.02	.00	.00	.00	.01	.00	.00	.02	2.7	.45	.06	.00
21	.01	.00	.00	.00	.00	.00	.00	.01	2.4	.78	.20	.00
22	.00	.00	.00	.00	.00	.00	.00	.20	2.2	.53	.22	.00
23	.00	.00	.00	.00	.00	.00	.00	.50	2.0	.38	.09	.00
24	.00	.00	.00	.00	.00	.00	.00	.18	1.9	.22	.06	.00
25	.00	.00	.00	.00	.00	.00	.00	.12	1.9	.18	.03	.00
26	.00	.09	.00	.02	.00	.00	.73	.20	1.8	.13	.02	.00
27	.00	.04	.00	.03	.00	.00	1.7	.09	1.8	.73	.01	.92
28	.00	.01	.00	.02	.00	.00	1.8	.03	1.7	2.5	.00	1.7
29	.00	.00	.00	.01	---	.00	1.9	.01	1.6	3.7	.00	1.8
30	.00	.00	.00	.01	---	.00	1.9	.00	1.3	5.1	.00	1.8
31	.00	---	.00	.01	---	.00	---	.00	---	5.2	.00	---
TOTAL	47.43	0.14	4.27	0.26	0.14	0.00	8.03	17.49	55.91	35.76	28.87	6.88
MEAN	1.53	.005	.14	.008	.005	.000	.27	.56	1.86	1.15	.93	.23
MAX	8.6	.09	1.7	.06	.07	.00	1.9	1.9	5.5	5.2	4.4	1.8
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00
AC-FT	94	.3	8.5	.5	.3	.00	16	35	111	71	57	14
CFSM	1.91	.01	.17	.01	.01	.00	.33	.71	2.33	1.44	1.16	.29
IN.	2.21	.01	.20	.01	.01	.00	.37	.81	2.60	1.66	1.34	.32

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

MEAN	1.53	.005	.14	.008	.57	.77	.49	.28	1.18	1.15	.78	1.39
MAX	1.53	.005	.14	.008	1.11	1.54	.70	.56	1.86	1.16	.93	2.55
(WY)	1997	1997	1997	1997	1996	1996	1996	1997	1997	1996	1997	1996
MIN	1.53	.005	.14	.008	.005	.000	.27	.002	.49	1.15	.64	.23
(WY)	1997	1997	1997	1997	1997	1997	1997	1996	1996	1997	1996	1997

SUMMARY STATISTICS

	FOR 1997 WATER YEAR	WATER YEARS 1996 - 1997
ANNUAL TOTAL	205.18	
ANNUAL MEAN	.56	.56
HIGHEST ANNUAL MEAN		.56
LOWEST ANNUAL MEAN		.56
HIGHEST DAILY MEAN	8.6	8.6
LOWEST DAILY MEAN	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00
INSTANTANEOUS PEAK FLOW	8.7	8.7
INSTANTANEOUS PEAK STAGE	149.66	149.66
ANNUAL RUNOFF (AC-FT)	407	407
ANNUAL RUNOFF (CFSM)	.70	.70
ANNUAL RUNOFF (INCHES)	9.54	9.55
10 PERCENT EXCEEDS	1.9	2.3
50 PERCENT EXCEEDS	.00	.04
90 PERCENT EXCEEDS	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

280651081502900 TENOROC DITCH (SITE 19) NEAR LAKELAND, FL

LOCATION.--Lat 28°06'51", long 81°50'29", in NE¹/₄ sec.30, T.27 S., R.25 E., Polk County, Hydrologic Unit 03100101, on left bank, on state land (Tenoroc

Fish Management Area), 3.9 mi northeast of intersection Tenoroc Mine Road and Combee Road, and 8.5 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.2	.53	.63	.44	.32	.34	.53	.72	2.1	5.1	1.5
2	1.7	1.2	.60	.63	.45	.30	.33	.59	.71	2.1	5.1	1.4
3	1.7	1.1	.61	.59	.46	.30	.32	.57	.69	2.1	5.6	1.4
4	1.6	1.1	.60	.48	.45	.32	.34	.54	.68	1.9	5.9	1.3
5	1.6	1.0	.59	.48	.44	.33	.34	.49	.72	1.9	6.4	1.2
6	1.7	.96	.59	.48	.41	.30	.33	.47	.75	1.9	6.4	1.2
7	2.1	.87	.80	.47	.43	.28	.32	.48	.70	2.1	6.5	1.1
8	3.7	.87	1.0	.48	.38	.29	.32	.48	.67	2.0	6.7	1.0
9	4.5	.83	.99	.55	.40	.30	.33	.50	.75	1.9	6.5	.93
10	4.7	.80	.97	.64	.41	.30	.36	.51	.79	1.7	6.3	.89
11	4.6	.76	.96	.59	.40	.28	.38	.52	1.1	1.6	6.1	.86
12	4.2	.73	.95	.58	.41	.29	.43	.61	1.7	1.6	5.7	.82
13	3.9	.71	.95	.61	.38	.33	.34	.60	1.8	1.5	5.2	.80
14	3.6	.68	.95	.60	.39	.52	.39	.58	2.0	1.7	4.7	.76
15	3.4	.66	.93	.61	.38	.36	.47	.57	2.1	1.5	4.2	.73
16	3.1	.63	.92	.64	.41	.32	.39	.58	1.9	1.4	4.1	.71
17	3.0	.62	.89	.63	.39	.32	.38	.59	1.9	1.3	3.8	.69
18	3.2	.61	.89	.60	.40	.32	.39	.59	1.7	1.2	3.6	.67
19	3.0	.61	.86	.59	.40	.33	.40	.60	1.4	1.1	3.3	.65
20	2.7	.60	.80	.57	.37	.31	.40	.61	1.2	1.1	3.1	.63
21	2.5	.56	.75	.57	.32	.36	.40	.61	1.0	1.3	3.0	.61
22	2.3	.51	.71	.56	.32	.31	.38	.68	.89	1.6	3.0	.60
23	2.1	.48	.70	.56	.32	.32	.46	.69	.78	1.6	2.8	.58
24	2.0	.48	.69	.54	.32	.31	.41	.64	.73	1.6	2.9	.58
25	1.9	.48	.68	.55	.33	.36	.39	.63	.72	1.5	2.7	.60
26	1.8	.60	.66	.56	.32	.35	.72	.64	.88	1.5	2.5	.62
27	1.7	.52	.66	.56	.32	.34	.54	.64	1.6	1.9	2.3	.88
28	1.6	.56	.66	.54	.32	.34	.58	.63	1.9	3.6	2.0	1.8
29	1.5	.55	.65	.51	---	.36	.62	.64	2.0	4.2	1.8	2.4
30	1.5	.54	.64	.49	---	.36	.54	.66	2.0	4.8	1.6	2.7
31	1.3	---	.64	.45	---	.34	---	.68	---	5.1	1.5	---
MEAN	2.58	.73	.77	.56	.38	.33	.41	.59	1.22	2.01	4.21	1.02
MAX	4.7	1.2	1.0	.64	.46	.52	.72	.69	2.1	5.1	6.7	2.7
MIN	1.3	.48	.53	.45	.32	.28	.32	.47	.67	1.1	1.5	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MEAN	2.58	.73	.77	.56	.38	.33	.41	.59	1.22	2.01	3.93	1.39
MAX	2.58	.73	.77	.56	.38	.33	.41	.59	1.22	2.01	4.21	1.77
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996
MIN	2.58	.73	.77	.56	.38	.33	.41	.59	1.22	2.01	3.66	1.02
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997

SUMMARY STATISTICS

	FOR 1997 WATER YEAR	WATER YEARS 1996 - 1997
ANNUAL MEAN	1.24	1.24
HIGHEST ANNUAL MEAN		1.24
LOWEST ANNUAL MEAN		1.24
HIGHEST DAILY MEAN	6.7 Aug 8	6.7 Aug 8 1997
LOWEST DAILY MEAN	.28 Mar 7	.28 Mar 7 1997
ANNUAL SEVEN-DAY MINIMUM	.29 Mar 6	.29 Mar 6 1997
INSTANTANEOUS PEAK FLOW	7.2 Aug 7	
INSTANTANEOUS PEAK STAGE	84.71 Jun 11	
10 PERCENT EXCEEDS	3.0	3.6
50 PERCENT EXCEEDS	.66	.80
90 PERCENT EXCEEDS	.34	.35

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

51

280634081513200 TENOROC DITCH (SITE 11) NEAR LAKELAND, FL

LOCATION.--Lat 28°06'34", long 81°51'32", in NE 1/4 sec.25, T.27 S., R.24 E., Polk County, Hydrologic Unit 03100101, on left bank, on state land (Tenoroc Fish Management Area), 2.8 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 7.5 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	.96	1.2	.81	.35	.00	.00	.11	.00	2.7	4.4	1.2
2	2.7	1.0	1.7	.76	.29	.00	.00	.07	.00	2.5	4.4	1.2
3	3.7	.92	1.8	.79	.23	.00	.00	.04	.00	2.2	6.0	1.2
4	3.7	.70	1.9	.78	.20	.00	.00	.03	.00	1.8	7.6	1.2
5	3.1	.56	2.4	.76	.22	.00	.00	.01	.00	1.7	8.6	1.1
6	3.5	.49	2.8	.80	.23	.00	.00	.01	.00	2.0	8.0	.88
7	5.3	.42	3.7	.84	.29	.00	.00	.00	.00	2.4	7.6	.76
8	8.7	.39	5.1	.91	.22	.00	.00	.00	.00	2.2	7.8	.67
9	5.0	.41	4.6	1.2	.20	.00	.00	.00	.00	1.9	7.1	.57
10	4.9	.52	3.9	1.7	.17	.00	.00	.00	.00	1.7	6.4	.49
11	8.2	.68	3.6	1.8	.13	.00	.00	.00	1.3	1.4	5.8	.43
12	9.6	.74	3.4	1.7	.08	.00	.00	.00	4.6	1.3	5.3	.38
13	8.5	.74	3.0	1.6	.09	.00	.00	.00	6.0	1.2	4.8	.32
14	7.6	.72	2.7	1.5	.08	.00	.00	.00	7.3	1.2	4.3	.28
15	6.8	.64	2.4	1.4	.08	.00	.00	.00	7.2	1.2	4.1	.24
16	5.9	.32	2.2	1.6	.04	.00	.00	.00	6.5	1.1	4.3	.19
17	4.6	.02	2.0	1.4	.07	.00	.00	.00	5.7	.97	3.8	.16
18	3.6	.23	2.0	1.2	.06	.00	.00	.00	4.9	.81	3.3	.12
19	3.1	.63	2.2	1.0	.03	.00	.00	.00	3.8	.69	3.0	.08
20	2.5	.68	2.0	.97	.03	.00	.00	.00	3.2	.75	2.6	.06
21	2.1	.65	1.8	.91	.04	.00	.00	.00	2.5	1.2	2.6	.04
22	3.2	.65	1.6	.77	.02	.00	.00	.02	2.0	3.0	2.8	.02
23	3.4	.64	1.5	.62	.01	.00	.00	.01	1.6	3.2	2.5	.01
24	2.9	.55	1.4	.50	.00	.00	.00	.00	1.4	4.1	2.8	.00
25	2.5	.55	1.3	.48	.00	.00	.00	.00	1.2	3.7	2.7	.01
26	2.1	.91	1.2	.49	.00	.00	.02	.00	1.4	3.1	2.4	.03
27	1.8	1.0	1.1	.45	.00	.00	.00	.00	3.4	4.0	2.0	.41
28	1.5	1.0	1.1	.41	.00	.00	.09	.00	3.5	6.5	1.7	2.6
29	1.3	.98	.99	.37	---	.00	.16	.00	3.1	5.7	1.5	2.7
30	1.2	1.1	.91	.41	---	.00	.15	.00	2.8	5.6	1.3	2.4
31	1.0	---	.86	.38	---	.00	---	.00	---	5.0	1.2	---
TOTAL	125.7	19.80	68.36	29.31	3.16	0.00	0.42	0.30	73.40	76.82	132.7	19.75
MEAN	4.05	.66	2.21	.95	.11	.000	.014	.010	2.45	2.48	4.28	.66
MAX	9.6	1.1	5.1	1.8	.35	.00	.16	.11	7.3	6.5	8.6	2.7
MIN	1.0	.02	.86	.37	.00	.00	.00	.00	.00	.69	1.2	.00
AC-FT	249	39	136	58	6.3	.00	.8	.6	146	152	263	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1996	1997	1996	1997	1996	1997	1996	1997	1996	1997
MEAN	4.05	.66	2.21	.95	.11	.000	.014	.010	2.45	2.48	4.91	1.24
MAX	4.05	.66	2.21	.95	.11	.000	.014	.010	2.45	2.48	5.54	1.82
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1996
MIN	4.05	.66	2.21	.95	.11	.000	.014	.010	2.45	2.48	4.28	.66
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997

SUMMARY STATISTICS

ANNUAL TOTAL
ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
INSTANTANEOUS PEAK FLOW
INSTANTANEOUS PEAK STAGE
ANNUAL RUNOFF (AC-FT)
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 1997 WATER YEAR

549.72
1.51
9.6 Oct 12
.00 Many Days
.00 Feb 24
18 Jun 11
83.29 Jun 11
1090
4.4
.75
.00

WATER YEARS 1996 - 1997

1.51
1.51
1.51
14 Aug 16 1996
.00 Many Days
.00 Feb 24 1997
18 Jun 11 1997
83.29 Jun 11 1997
1090
5.0
.97
.00

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

280557081512300 TENOROC DITCH (SITE 13) NEAR LAKELAND, FL

LOCATION.--Lat 28°05'57", long 81°51'23", in NE 1/4 sec.36, T.27 S., R.24 E., Polk County, Hydrologic Unit 03100101, on right bank, on state land (Tenoroc Fish Management Area), 2.9 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 7.0 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.3	1.6	2.6	1.8	.44	.05	.53	.02	5.2	8.7	4.5
2	3.9	4.1	2.0	2.6	1.7	.39	.03	.47	.03	5.1	8.7	4.5
3	3.9	3.9	1.9	2.5	1.6	.36	.02	.42	.02	5.1	10	4.3
4	4.0	3.6	1.8	2.5	1.6	.33	.01	.38	.01	4.9	12	4.2
5	4.1	3.4	1.8	2.4	1.6	.29	.01	.30	.01	4.9	13	4.0
6	4.6	3.3	1.9	2.4	1.5	.26	.01	.23	.01	5.2	13	3.7
7	5.6	3.1	2.6	2.4	1.7	.20	.00	.19	.01	5.7	13	3.4
8	7.5	3.0	3.7	2.3	1.6	.15	.00	.15	.00	5.4	14	3.2
9	8.0	2.9	3.7	2.4	1.6	.12	.00	.10	.01	5.2	14	3.0
10	7.8	2.6	3.7	2.8	1.5	.10	.00	.07	.04	4.9	13	2.8
11	7.5	2.4	3.7	2.6	1.5	.09	.00	.05	.57	4.8	13	2.6
12	7.6	2.3	3.7	2.6	1.4	.07	.00	.08	3.1	4.9	12	2.6
13	7.7	2.1	3.7	2.5	1.3	.07	.00	.13	3.3	4.7	11	2.4
14	7.8	2.1	3.7	2.4	1.2	.29	.00	.10	3.7	5.1	11	2.3
15	7.8	2.0	3.6	2.5	1.3	.33	.01	.07	4.1	4.8	10	2.1
16	7.7	1.9	3.5	2.7	1.3	.27	.01	.05	4.2	4.5	10	2.0
17	7.8	1.8	3.5	2.6	1.2	.21	.01	.04	4.5	4.3	9.8	1.8
18	8.3	1.8	3.4	2.4	1.1	.16	.01	.04	4.9	4.0	9.2	1.6
19	7.9	1.7	3.4	2.3	1.0	.14	.00	.03	4.8	4.0	8.7	1.5
20	7.4	1.7	3.2	2.2	.99	.13	.00	.02	4.7	4.2	8.1	1.3
21	6.9	1.6	3.1	2.1	.92	.19	.00	.01	4.5	4.4	7.8	1.1
22	6.6	1.5	3.0	2.1	.87	.18	.00	.05	4.2	5.6	7.7	.98
23	6.3	1.4	2.9	2.1	.80	.15	.00	.17	3.9	5.8	7.2	.84
24	6.1	1.3	2.9	2.0	.69	.13	.01	.14	3.7	6.8	7.0	.76
25	5.9	1.3	2.9	2.0	.63	.13	.00	.10	3.6	6.6	6.6	.73
26	5.7	1.6	2.8	2.0	.58	.17	.14	.08	3.6	6.4	6.3	.83
27	5.4	1.7	2.8	1.9	.53	.15	.31	.06	5.4	7.3	5.8	2.0
28	5.2	1.6	2.8	1.9	.49	.13	.45	.04	5.5	8.9	5.4	3.5
29	5.0	1.6	2.7	1.9	---	.11	.64	.03	5.3	9.0	5.0	3.5
30	4.8	1.5	2.7	1.9	---	.09	.58	.01	5.3	9.2	4.7	3.5
31	4.5	---	2.6	1.8	---	.08	---	.01	---	9.0	4.6	---
MEAN	6.24	2.30	2.95	2.30	1.21	.19	.077	.13	2.77	5.67	9.36	2.52
MAX	8.3	4.3	3.7	2.8	1.8	.44	.64	.53	5.5	9.2	14	4.5
MIN	3.9	1.3	1.6	1.8	.49	.07	.00	.01	.00	4.0	4.6	.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1996
MEAN	6.24	2.30	2.95	2.30	1.21	.19	.077	.13	2.77	5.67	9.60	4.06
MAX	6.24	2.30	2.95	2.30	1.21	.19	.077	.13	2.77	5.67	9.83	5.61
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1996
MIN	6.24	2.30	2.95	2.30	1.21	.19	.077	.13	2.77	5.67	9.36	2.52
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997

SUMMARY STATISTICS

ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
INSTANTANEOUS PEAK FLOW
INSTANTANEOUS PEAK STAGE
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 1997 WATER YEAR

3.00
14 Aug 8
.00 Many Days
.00 Apr 7
14 Aug 7
83.83 Aug 7
7.5
2.3
.03

WATER YEARS 1996 - 1997

3.00
3.00 1997
3.00 1997
15 Aug 17 1996
.00 Many Days
.00 Apr 7 1997
16 Aug 20 1996
83.89 Aug 20 1996
8.6
2.9
.05

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

53

280531081520500 TENOROC DITCH ABOVE STRUCTURE (SITE 17A) NEAR LAKELAND, FL

LOCATION.--Lat 28°05'31", long 81°52'05", in NW 1/4 sec.36, T.36 S., R.24 E., Polk County, Hydrologic Unit 03100101, on left bank, upstream from structure (Tenoroc Fish Management Area), 2.3 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 6.4 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--August 1996 to current year (gage heights only). Records of gage height prior to October 1996 are available in files of the Geological Survey.

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

REMARKS.--Records good.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.29	26.32	26.19	26.20	26.15	26.05	25.95	26.09	25.69	25.84	26.16	25.95
2	26.28	26.31	26.23	26.19	26.14	26.05	25.94	26.08	25.64	25.83	26.18	25.93
3	26.27	26.29	26.22	26.19	26.14	26.04	25.92	26.07	25.57	25.83	26.24	25.90
4	26.27	26.27	26.21	26.18	26.13	26.03	25.91	26.05	25.52	25.83	26.28	25.88
5	26.28	26.26	26.21	26.18	26.13	26.02	25.89	26.04	25.47	25.83	26.31	25.85
6	26.31	26.25	26.21	26.17	26.13	26.01	25.87	26.02	25.44	25.88	26.32	25.81
7	26.35	26.24	26.28	26.16	26.15	26.00	25.87	26.00	25.40	25.92	26.38	25.79
8	26.45	26.24	26.35	26.16	26.14	25.99	25.86	25.99	25.36	25.90	26.44	25.76
9	26.43	26.22	26.32	26.17	26.14	25.98	25.84	25.98	25.36	25.89	26.44	25.73
10	26.41	26.21	26.30	26.19	26.13	25.97	25.83	25.97	25.42	25.88	26.45	25.70
11	26.40	26.20	26.30	26.18	26.13	25.96	25.81	25.96	25.52	25.89	26.45	25.69
12	26.40	26.18	26.30	26.18	26.12	25.95	25.83	25.99	25.89	25.91	26.44	25.68
13	26.40	26.18	26.30	26.18	26.12	25.95	25.83	26.02	25.81	25.89	26.42	25.65
14	26.41	26.17	26.30	26.18	26.11	26.05	25.84	26.01	25.77	25.91	26.39	25.62
15	26.42	26.17	26.29	26.20	26.12	26.06	25.90	25.99	25.75	25.92	26.38	25.59
16	26.42	26.17	26.29	26.22	26.12	26.04	25.90	25.98	25.71	25.92	26.37	25.57
17	26.45	26.17	26.29	26.21	26.11	26.02	25.89	25.98	25.71	25.91	26.33	25.54
18	26.47	26.16	26.29	26.19	26.10	26.00	25.88	25.97	25.72	25.90	26.29	25.52
19	26.46	26.16	26.29	26.17	26.10	25.99	25.86	25.97	25.70	25.92	26.26	25.49
20	26.46	26.15	26.28	26.16	26.10	25.99	25.85	25.96	25.68	25.95	26.22	25.47
21	26.46	26.15	26.27	26.16	26.10	26.01	25.84	25.95	25.67	25.96	26.21	25.46
22	26.45	26.15	26.26	26.16	26.09	26.01	25.83	25.98	25.66	25.98	26.20	25.44
23	26.44	26.14	26.26	26.16	26.09	26.00	25.86	26.06	25.65	26.02	26.17	25.42
24	26.44	26.13	26.26	26.16	26.07	25.99	25.89	26.04	25.64	26.09	26.15	25.41
25	26.43	26.12	26.26	26.16	26.07	26.00	25.88	26.02	25.63	26.06	26.12	25.40
26	26.41	26.17	26.26	26.16	26.07	26.01	25.97	26.00	25.65	26.04	26.07	25.42
27	26.40	26.17	26.26	26.16	26.06	26.01	26.07	25.99	25.79	26.07	26.04	25.59
28	26.38	26.18	26.26	26.16	26.06	26.00	26.09	25.98	25.79	26.13	26.01	25.77
29	26.37	26.18	26.25	26.16	---	25.99	26.11	25.96	25.79	26.13	25.99	25.71
30	26.35	26.18	26.24	26.16	---	25.98	26.10	25.88	25.82	26.14	25.97	25.67
31	26.33	---	26.21	26.15	---	25.97	---	25.75	---	26.15	25.97	---
MEAN	26.39	26.20	26.27	26.17	26.11	26.00	25.90	25.99	25.64	25.95	26.25	25.65
MAX	26.47	26.32	26.35	26.22	26.15	26.06	26.11	26.09	25.89	26.15	26.45	25.95
MIN	26.27	26.12	26.19	26.15	26.06	25.95	25.81	25.75	25.36	25.83	25.97	25.40

WTR YR 1997 MEAN 26.05 MAX 26.47 MIN 25.36

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

280531081520501 TENOROC DITCH BELOW STRUCTURE (SITE 17A) NEAR LAKELAND, FL

LOCATION.--Lat 28°05'31", long 81°52'05", in NW¹/₄ sec.36, T.36 S., R.24 E., Polk County, Hydrologic Unit 03100101, on left bank, downstream from structure (Tenoroc Fish Management Area), 2.3 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 6.4 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	8.6	3.7	5.0	3.0	.95	.07	2.1	8.1	8.6	15	9.6
2	8.8	8.3	4.7	4.7	2.8	.83	.04	1.6	7.3	8.4	16	9.4
3	8.6	7.9	4.2	4.1	2.7	.76	.03	1.3	6.0	8.2	20	8.9
4	8.5	7.1	3.9	3.9	2.6	.89	.04	1.0	4.9	8.1	22	8.7
5	8.7	6.8	3.6	3.7	2.6	.63	.04	.71	3.9	8.3	23	8.1
6	9.8	6.5	3.7	3.6	2.5	.45	.04	.49	2.9	9.3	23	7.6
7	11	6.2	6.4	3.7	3.1	.31	.05	.37	2.2	10	28	7.1
8	16	6.0	8.7	3.4	2.8	.16	.06	.28	1.6	9.4	37	6.7
9	15	5.6	7.5	3.7	2.7	.12	.06	.20	1.8	9.1	34	6.3
10	14	5.0	6.9	4.6	2.6	.08	.06	.15	2.7	8.8	32	6.0
11	13	4.6	6.6	4.2	2.5	.07	.07	.09	4.8	9.1	32	5.9
12	13	4.2	6.7	3.8	2.3	.05	.06	.31	12	9.3	31	5.8
13	13	3.8	6.7	3.3	2.3	.03	.08	.57	9.1	8.8	29	5.5
14	13	3.6	6.5	3.3	2.2	.95	.08	.40	8.2	8.7	27	5.1
15	13	3.6	6.2	3.5	2.3	.90	.06	.29	7.6	8.6	27	4.8
16	13	3.7	6.1	4.2	2.3	.60	.04	.22	6.9	8.5	27	4.4
17	13	3.5	6.0	3.9	2.2	.40	.05	.21	6.9	8.3	24	4.2
18	16	3.9	6.0	4.1	1.9	.27	.05	.20	6.8	8.1	22	3.9
19	15	3.9	5.8	4.1	1.8	.21	.04	.14	6.4	7.9	20	3.6
20	15	3.6	5.5	3.8	1.9	.19	.05	.12	6.1	9.5	19	3.3
21	15	3.2	5.4	3.6	1.9	.38	.06	.07	5.9	9.7	18	3.1
22	14	3.1	5.2	3.4	e1.7	.33	.07	.47	5.7	10	18	2.9
23	14	2.6	5.1	3.3	e1.5	.26	.08	1.3	5.6	11	16	2.7
24	13	2.5	4.9	3.3	e1.3	.21	.08	.81	5.6	13	15	2.6
25	13	2.3	4.9	3.5	e1.2	.26	.07	.48	5.5	11	14	2.6
26	12	3.0	4.7	3.6	1.1	.40	.85	.38	6.0	11	13	2.8
27	12	3.0	4.7	3.3	1.1	.36	1.6	.25	8.1	12	12	5.0
28	11	3.5	4.7	3.2	1.1	.33	2.5	.15	7.8	14	11	7.4
29	10	2.8	4.6	3.2	---	.30	3.2	.08	7.8	14	10	6.5
30	9.5	3.0	5.3	3.4	---	.22	2.6	7.9	8.4	15	9.5	6.0
31	9.0	---	5.4	3.2	---	.15	---	9.1	---	15	10	---
MEAN	12.2	4.51	5.49	3.73	2.14	.39	.41	1.02	6.09	10.0	21.1	5.55
MAX	16	8.6	8.7	5.0	3.1	.95	3.2	9.1	12	15	37	9.6
MIN	8.5	2.3	3.6	3.2	1.1	.03	.03	.07	1.6	7.9	9.5	2.6

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MEAN	12.2	4.51	5.49	3.73	2.14	.39	.41	1.02	6.09	10.0	20.0	8.30
MAX	12.2	4.51	5.49	3.73	2.14	.39	.41	1.02	6.09	10.0	21.1	11.1
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996
MIN	12.2	4.51	5.49	3.73	2.14	.39	.41	1.02	6.09	10.0	18.9	5.55
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997

SUMMARY STATISTICS

ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
INSTANTANEOUS PEAK FLOW
INSTANTANEOUS PEAK STAGE
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 1997 WATER YEAR

6.11
37 Aug 8
.03 Mar 13
.04 Apr 2
38 Aug 7
25.10 Aug 7
14
4.2
.15

WATER YEARS 1996 - 1997

6.11
6.11 1997
6.11 1997
37 Aug 8 1997
.03 Mar 13 1997
.04 Apr 2 1997
38 Aug 7 1997
25.10 Aug 7 1997
16
5.8
.21

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

55

280531081520501 TENOROC DITCH BELOW STRUCTURE (SITE 17A) NEAR LAKELAND, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.24	23.29	22.98	23.07	22.89	22.64	22.35	22.80	23.35	23.39	23.87	23.44
2	23.21	23.26	23.05	23.05	22.88	22.62	22.32	22.73	23.28	23.38	23.92	23.42
3	23.19	23.23	23.01	23.00	22.87	22.60	22.31	22.68	23.16	23.36	24.18	23.39
4	23.19	23.18	22.99	22.98	22.86	22.63	22.31	22.64	23.06	23.35	24.28	23.37
5	23.20	23.16	22.97	22.96	22.85	22.58	22.32	22.57	22.98	23.37	24.34	23.33
6	23.29	23.13	22.98	22.95	22.84	22.54	22.32	22.52	22.89	23.45	24.36	23.28
7	23.40	23.11	23.20	22.96	22.90	22.49	22.33	22.48	22.80	23.51	24.62	23.25
8	23.72	23.10	23.40	22.93	22.88	22.43	22.33	22.45	22.74	23.46	24.99	23.22
9	23.64	23.06	23.30	22.96	22.86	22.41	22.33	22.42	22.76	23.44	24.79	23.18
10	23.57	23.02	23.25	23.04	22.85	22.39	22.33	22.39	22.87	23.41	24.71	23.16
11	23.54	22.99	23.22	23.00	22.84	22.39	22.33	22.35	23.03	23.43	24.69	23.14
12	23.52	22.96	23.22	22.97	22.82	22.37	22.33	22.43	23.62	23.45	24.61	23.14
13	23.51	22.94	23.23	22.92	22.81	22.35	22.35	22.54	23.43	23.41	24.53	23.11
14	23.51	22.92	23.21	22.92	22.81	22.62	22.35	22.49	23.36	23.40	24.45	23.08
15	23.50	22.93	23.18	22.94	22.82	22.63	22.33	22.45	23.31	23.39	24.43	23.05
16	23.51	22.95	23.17	23.01	22.82	22.57	22.31	22.42	23.24	23.38	24.42	23.02
17	23.54	22.94	23.16	22.98	22.80	22.51	22.32	22.42	23.24	23.37	24.28	23.00
18	23.70	22.98	23.16	23.00	22.77	22.48	22.32	22.42	23.24	23.35	24.17	22.98
19	23.69	22.99	23.14	22.99	22.76	22.45	22.31	22.38	23.20	23.34	24.08	22.95
20	23.66	22.96	23.12	22.97	22.77	22.44	22.32	22.37	23.17	23.46	24.00	22.93
21	23.66	22.94	23.10	22.95	22.77	22.51	22.33	22.34	23.16	23.48	23.99	22.91
22	23.65	22.92	23.09	22.94	---	22.49	22.33	22.43	23.14	23.51	23.96	22.89
23	23.63	22.88	23.07	22.93	---	22.46	22.35	22.69	23.12	23.57	23.87	22.87
24	23.60	22.86	23.07	22.92	---	22.44	22.35	22.59	23.12	23.70	23.81	22.85
25	23.57	22.84	23.06	22.94	22.67	22.46	22.34	22.52	23.12	23.60	23.72	22.85
26	23.53	22.91	23.05	22.95	22.66	22.51	22.54	22.48	23.16	23.56	23.65	22.88
27	23.49	22.91	23.04	22.93	22.66	22.49	22.73	22.44	23.35	23.67	23.58	23.07
28	23.43	22.96	23.05	22.92	22.66	22.48	22.83	22.39	23.32	23.82	23.52	23.27
29	23.39	22.90	23.04	22.91	---	22.47	22.91	22.34	23.32	23.80	23.47	23.20
30	23.35	22.91	23.10	22.93	---	22.44	22.85	23.23	23.38	23.86	23.43	23.16
31	23.31	---	23.11	22.91	---	22.41	---	23.43	---	23.84	23.48	---
MEAN	23.48	23.00	23.12	22.96	---	22.49	22.40	22.54	23.16	23.50	24.14	23.11
MAX	23.72	23.29	23.40	23.07	---	22.64	22.91	23.43	23.62	23.86	24.99	23.44
MIN	23.19	22.84	22.97	22.91	---	22.35	22.31	22.34	22.74	23.34	23.43	22.85

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

280441081520200 TENOROC DITCH (SITE 17B) NEAR LAKELAND, FL

LOCATION.--Lat 28°04'41", long 81°52'02", in NE 1/4 sec.1, T.28 S., R.25 E., Polk County, Hydrologic Unit 03100101, on right bank, on state land (Tenoroc Fish Management Area), 2.6 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 5.5 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	8.5	2.8	7.3	3.5	1.5	.68	4.4	8.3	11	19	13
2	6.1	8.3	4.8	6.9	3.3	1.3	.58	3.5	9.2	11	20	13
3	5.4	8.3	5.0	6.3	3.2	1.3	.49	2.8	8.3	10	26	12
4	4.8	7.6	4.7	5.4	3.1	1.3	.44	2.4	7.3	9.8	29	12
5	5.0	7.1	4.4	4.8	3.0	1.3	.39	1.9	6.3	10	32	11
6	6.3	6.8	4.4	4.5	2.9	1.2	.35	1.4	5.3	12	34	10
7	11	6.6	8.5	4.3	3.4	1.1	.34	1.2	4.5	15	47	9.7
8	21	6.2	16	4.2	3.5	.92	.32	1.0	3.7	13	69	9.2
9	20	6.3	13	4.3	3.2	.80	.30	.79	3.3	12	54	8.6
10	16	5.4	10	5.8	3.1	.73	.27	.67	5.4	11	46	8.1
11	13	5.0	9.7	5.7	2.9	.67	.24	.57	8.8	12	42	7.8
12	12	4.5	9.0	5.2	2.7	.60	.30	.59	22	14	39	7.7
13	11	4.2	8.7	4.5	2.6	.61	.33	1.0	16	12	36	7.4
14	10	3.9	8.5	4.1	2.5	1.5	.37	1.0	13	13	34	6.9
15	10	3.9	8.3	4.2	2.6	2.3	.90	.90	11	12	32	6.4
16	9.9	3.7	8.1	5.7	2.7	1.9	1.0	.80	9.3	11	31	5.8
17	11	3.5	7.9	5.5	2.7	1.7	.83	.73	10	10	29	5.3
18	21	3.5	7.8	5.0	2.6	1.4	.68	.68	12	9.9	27	4.7
19	19	3.7	7.8	5.2	2.4	1.2	.57	.66	9.5	9.8	25	4.3
20	16	3.7	7.6	5.3	2.2	1.0	.50	.57	8.1	12	23	3.8
21	14	3.7	7.3	4.7	2.2	1.2	.41	.53	7.4	13	22	3.4
22	14	3.5	7.1	4.3	2.1	1.4	.40	.62	7.0	13	23	3.1
23	13	3.3	6.9	4.1	2.0	1.3	.47	2.5	6.4	14	20	2.9
24	13	3.0	6.8	3.9	1.8	1.1	.77	2.5	6.1	19	19	2.8
25	12	2.9	6.7	4.0	1.7	1.1	.77	1.9	6.2	16	17	2.7
26	12	3.9	6.5	4.3	1.6	1.3	1.8	1.5	7.8	14	16	2.8
27	11	4.2	6.5	4.1	1.5	1.2	4.5	1.3	22	16	15	6.5
28	11	3.3	6.7	3.9	1.5	1.1	4.6	1.0	16	22	14	16
29	10	2.8	6.5	3.8	---	1.0	6.5	.91	12	20	13	12
30	9.6	2.5	6.6	3.8	---	.95	5.6	1.7	12	21	12	9.7
31	9.0	---	7.3	3.8	---	.82	---	6.3	---	20	13	---
MEAN	11.7	4.79	7.48	4.80	2.59	1.19	1.19	1.56	9.47	13.5	28.3	7.62
MAX	21	8.5	16	7.3	3.5	2.3	6.5	6.3	22	22	69	16
MIN	4.8	2.5	2.8	3.8	1.5	.60	.24	.53	3.3	9.8	12	2.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MEAN	11.7	4.79	7.48	4.80	2.59	1.19	1.19	1.56	9.47	13.5	26.7	9.77
MAX	11.7	4.79	7.48	4.80	2.59	1.19	1.19	1.56	9.47	13.5	28.3	11.9
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996
MIN	11.7	4.79	7.48	4.80	2.59	1.19	1.19	1.56	9.47	13.5	25.1	7.62
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997

SUMMARY STATISTICS

	FOR 1997 WATER YEAR	WATER YEARS 1996 - 1997
ANNUAL MEAN	7.92	7.92
HIGHEST ANNUAL MEAN		7.92
LOWEST ANNUAL MEAN		7.92
HIGHEST DAILY MEAN	69 Aug 8	69 Aug 8 1997
LOWEST DAILY MEAN	.24 Apr 11	.24 Apr 11 1997
ANNUAL SEVEN-DAY MINIMUM	.30 Apr 7	.30 Apr 7 1997
INSTANTANEOUS PEAK FLOW	82 Aug 7	
INSTANTANEOUS PEAK STAGE	86.50 Aug 7	
10 PERCENT EXCEEDS	16	21
50 PERCENT EXCEEDS	5.4	6.9
90 PERCENT EXCEEDS	.80	.91

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

57

280242081531600 TENOROC DITCH (SITE 20) NEAR LAKELAND, FL

LOCATION.--Lat 28°02'42", long 81°53'16", in NE¹/₄ sec.3, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, on left bank, on private land adjacent to state land (Tenoroc Fish Management Area), 1.6 mi southeast of intersection Tenoroc Mine Road and Combee Road, and 4.6 mi northeast of Lakeland.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--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 has not been determined.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	1.1	.09	.20	.09	.07	.03	.03	.02	3.1	22	1.4
2	5.3	1.0	.13	.18	.09	.06	.03	.02	.02	2.8	21	1.3
3	4.7	.93	.07	.17	.09	.06	.04	.02	.02	2.8	23	1.0
4	4.2	.73	.07	.15	.09	.07	.04	.02	.02	2.6	21	.91
5	3.9	.63	.08	.13	.09	.06	.04	.02	.02	2.6	21	.82
6	4.2	.56	.07	.12	.09	.06	.03	.02	.02	4.0	20	.64
7	5.4	.52	1.1	.12	.10	.06	.02	.03	.02	5.4	18	.52
8	19	.47	.52	.11	.09	.05	.02	.02	.02	5.4	16	.44
9	26	.39	.33	.15	.09	.06	.03	.02	.02	5.3	13	.34
10	27	.27	.36	.24	.09	.07	.03	.02	.03	5.1	12	.27
11	26	.20	.51	.16	.09	.07	.03	.02	4.0	5.4	11	.38
12	23	.16	.61	.16	.08	.07	.04	.02	1.8	5.6	10	.45
13	20	.13	.69	.15	.08	.05	.04	.02	.41	5.2	8.7	.35
14	17	.11	.77	.15	.08	.21	.06	.02	1.8	4.9	7.5	.26
15	14	.11	.81	.14	.08	.08	.13	.01	3.2	4.4	7.4	.19
16	12	.11	.82	.18	.09	.07	.07	.01	4.3	3.9	10	.14
17	10	.11	.84	.14	.07	.05	.07	.01	5.5	3.3	8.7	.11
18	9.2	.12	.76	.12	.08	.06	.06	.02	6.3	2.7	7.3	.08
19	7.8	.12	.72	.12	.08	.07	.06	.01	6.2	2.3	6.0	.06
20	6.4	.12	.62	.12	.08	.06	.07	.01	5.7	2.7	5.1	.04
21	5.3	.12	.55	.11	.09	.08	.07	.01	5.2	3.1	4.7	.03
22	4.4	.10	.55	.11	.07	.07	.04	.09	4.5	3.3	4.3	.03
23	3.8	.09	.52	.11	.06	.08	.09	.15	4.0	3.0	3.7	.02
24	3.3	.09	.47	.11	.06	.07	.07	.05	3.5	3.1	3.2	.02
25	2.9	.10	.41	.13	.08	.03	.03	.03	2.9	2.8	2.8	.02
26	2.5	.30	.35	.14	.08	.04	.88	.02	2.7	2.6	2.4	.04
27	2.2	.10	.31	.11	.08	.04	.36	.02	3.4	3.5	1.9	1.1
28	1.9	.08	.29	.10	.07	.05	.21	.02	3.1	7.0	1.5	6.7
29	1.6	.08	.26	.09	---	.05	.16	.02	3.0	9.6	1.2	7.1
30	1.4	.08	.23	.11	---	.07	.05	.02	3.4	17	1.1	8.2
31	1.3	---	.21	.09	---	.04	---	.02	---	20	1.4	---
MEAN	9.08	.30	.46	.14	.082	.065	.097	.026	2.50	4.98	9.58	1.10
MAX	27	1.1	1.1	.24	.10	.21	.88	.15	6.3	20	23	8.2
MIN	1.3	.08	.07	.09	.06	.03	.02	.01	.02	2.3	1.1	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997
MEAN	9.08	.30	.46	.14	.083	.065	.097	.026	2.50	4.98	8.09	3.77
MAX	9.08	.30	.46	.14	.083	.065	.097	.026	2.50	4.98	9.58	6.44
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996
MIN	9.08	.30	.46	.14	.083	.065	.097	.026	2.50	4.98	6.61	1.10
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1996	1997

SUMMARY STATISTICS

ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
INSTANTANEOUS PEAK FLOW
INSTANTANEOUS PEAK STAGE
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 1997 WATER YEAR

2.40
2.40
2.40
27 Oct 10
.01 May 15
.01 May 15
54 Jun 11
85.18 Jun 11
6.8
.15
.02

WATER YEARS 1996 - 1997

2.40
2.40
2.40
27 Oct 10 1996
.01 May 15 1997
.01 May 15 1997
54 Jun 11 1997
85.18 Jun 11 1997
9.1
.40
.03

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02294217 SADDLE CREEK AT STATE HIGHWAY 542 NEAR LAKE LAND, FL

LOCATION.--Lat 28°02'38", long 81°52'35", in SE 1/4 sec.14, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, near center 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 mi², 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	23	6.0	9.2	6.4	3.9	1.0	6.4	1.4	79	183	26
2	26	22	8.1	9.1	6.2	3.4	.90	5.2	2.0	63	184	32
3	24	20	7.8	8.9	6.0	3.2	.79	4.6	1.9	53	186	31
4	22	18	7.5	8.6	5.9	2.9	.70	4.0	1.9	43	192	36
5	23	17	7.3	8.4	5.8	2.6	.62	3.5	1.6	40	194	30
6	29	16	7.2	8.1	5.1	2.4	.54	3.1	1.4	48	187	25
7	54	15	15	7.8	3.4	2.2	.52	2.8	1.3	52	189	21
8	107	14	38	7.5	3.8	1.9	.53	2.5	1.2	44	219	19
9	134	14	28	7.9	5.1	1.8	.48	2.2	1.3	39	215	17
10	137	12	22	9.3	5.3	1.6	.43	1.9	1.8	34	196	15
11	124	11	19	8.7	5.0	1.5	.41	1.7	13	58	181	14
12	103	11	17	8.3	4.8	1.3	.66	2.1	89	110	165	13
13	84	9.9	17	7.8	4.6	1.1	.63	2.5	73	98	152	12
14	73	9.4	16	7.5	4.5	1.7	.71	2.2	45	77	142	11
15	66	8.9	15	8.4	4.6	2.2	1.5	1.9	32	68	128	10
16	57	8.6	15	11	5.0	2.6	1.4	1.8	25	74	111	9.8
17	56	8.2	14	9.8	5.2	2.2	1.2	1.7	30	78	98	9.2
18	96	7.8	14	8.7	4.4	2.0	.99	1.7	49	85	85	8.5
19	92	7.6	13	8.2	4.4	1.8	.80	1.6	36	93	74	7.8
20	76	7.3	12	7.9	4.1	1.6	.70	1.5	28	109	63	7.2
21	63	7.2	12	7.6	6.0	1.9	.63	1.3	24	130	58	6.6
22	55	7.0	11	7.2	7.8	2.0	.63	1.5	21	157	59	6.1
23	49	6.4	11	7.0	7.4	1.8	.92	2.4	18	157	52	5.6
24	45	6.0	11	6.9	6.1	1.7	1.3	1.9	17	155	46	5.3
25	41	5.7	10	7.0	5.1	1.5	1.1	1.5	16	146	40	4.9
26	37	7.2	10	7.1	4.7	1.9	5.7	1.3	25	141	35	5.2
27	33	7.3	10	6.8	4.9	1.4	7.4	1.2	113	142	30	15
28	31	6.7	9.8	6.6	4.3	1.4	8.0	1.1	112	167	26	73
29	28	6.2	9.7	6.5	---	1.4	11	1.1	89	168	23	88
30	27	5.9	9.2	6.7	---	1.3	8.2	1.0	93	196	20	99
31	25	---	9.2	6.6	---	1.2	---	.93	---	192	24	---
TOTAL	1845	326.3	411.8	247.1	145.9	61.4	60.39	70.13	963.8	3096	3557	663.2
MEAN	59.5	10.9	13.3	7.97	5.21	1.98	2.01	2.26	32.1	99.9	115	22.1
MAX	137	23	38	11	7.8	3.9	11	6.4	113	196	219	99
MIN	22	5.7	6.0	6.5	3.4	1.1	.41	.93	1.2	34	20	4.9
AC-FT	3660	647	817	490	289	122	120	139	1910	6140	7060	1320
CFSM	1.12	.21	.25	.15	.10	.04	.04	.04	.61	1.88	2.16	.42
IN.	1.29	.23	.29	.17	.10	.04	.04	.05	.68	2.17	2.50	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1997, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	33.9	14.9	12.8	9.57	11.0	33.2	36.7	16.8	15.9	45.1	77.7
MAX	59.5	18.9	13.3	11.2	16.7	64.4	94.6	45.9	32.1	99.9	219
(WY)	1997	1988	1997	1988	1988	1987	1987	1997	1997	1997	1988
MIN	8.23	10.9	12.4	7.97	5.21	1.98	2.01	2.26	.73	13.1	17.2
(WY)	1988	1997	1988	1997	1997	1997	1997	1997	1988	1988	1987

SUMMARY STATISTICS

ANNUAL TOTAL
ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
INSTANTANEOUS PEAK FLOW
INSTANTANEOUS PEAK STAGE
ANNUAL RUNOFF (AC-FT)
ANNUAL RUNOFF (CFSM)
ANNUAL RUNOFF (INCHES)
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 1997 WATER YEAR

11448.02
31.4
219
.41
.50
223
15.34
22710
.59
8.04
101
8.7
1.3

WATER YEARS 1987 - 1997

35.6
39.8
31.4
451
.00
.01
25790
.67
9.13
100
15
1.5

1988
1997
Sep 8 1988
Many Days
Jun 15 1988

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

59

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

LOCATION.--Lat 27°56'17", long 81°51'05", in SW 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 mi².

PERIOD OF RECORD.--November 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.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	1.6	2.7	.09	.09	.12	1.2	.00	.04	.36	400	.06
2	54	1.5	3.1	.09	.09	.16	.98	.00	.04	.00	401	.06
3	54	1.2	3.2	.09	.08	.17	.82	.00	.04	.00	412	.06
4	52	1.1	3.3	.09	.08	.16	.77	.01	.03	.00	413	33
5	54	1.2	3.3	.09	.08	.24	.66	.03	.03	.00	412	57
6	54	1.2	3.2	.05	.10	.13	.58	.00	.03	.00	409	57
7	108	1.2	3.6	.01	.13	.10	.54	.00	.03	.00	416	56
8	157	1.2	3.5	.00	.09	.10	.52	.00	.03	.00	438	57
9	115	1.3	5.7	.00	.08	.11	.39	.00	.02	.00	442	38
10	111	1.3	4.4	.00	.09	.08	.35	.03	.02	.00	440	.07
11	105	1.5	.18	.00	71	.00	.33	.08	.03	.00	466	.07
12	105	1.5	.52	.00	162	.00	.36	.10	.03	.00	468	.07
13	105	1.3	.03	.17	96	.00	.38	.10	.02	.00	454	.07
14	155	1.3	.02	.27	.10	.00	.40	.09	.02	39	438	.08
15	186	.91	.06	.17	.09	.00	.41	.09	.01	117	422	.08
16	247	.98	.39	.13	.18	.15	.39	.08	.01	119	406	.07
17	247	1.1	.01	.10	.09	.04	.39	.08	.01	136	387	.07
18	224	1.1	.01	.10	.08	.00	.39	.08	.01	161	314	.08
19	222	.99	.01	.09	.08	.00	.51	.08	.01	158	272	.08
20	217	.98	.01	.09	.08	.00	.56	.08	.00	156	134	.11
21	214	1.1	.01	.09	.08	.00	.51	.08	.00	154	53	.12
22	182	1.2	.01	.09	.12	.00	.51	.20	.00	184	51	.12
23	129	1.1	.02	.09	.20	.00	.20	.06	.00	250	49	.12
24	128	.96	.20	.09	.12	.00	.05	.06	.00	271	46	.15
25	127	.84	2.1	.09	.14	.00	.26	.05	.00	268	93	.19
26	126	1.8	1.6	.10	.16	.00	.23	.05	.00	262	124	.28
27	113	2.3	.08	.10	.18	.00	.12	.05	.00	258	74	.56
28	46	2.3	.08	.10	.12	.00	.17	.05	.00	256	17	144
29	1.8	2.4	.09	.09	---	.10	.03	.05	.00	262	.23	260
30	1.6	2.6	.09	.09	---	.08	.00	.04	.00	346	.09	261
31	1.8	---	.09	.09	---	2.2	---	.04	---	394	.07	---
TOTAL	3697.2	41.06	41.61	2.65	331.73	3.94	13.01	1.66	0.46	3791.36	8451.39	965.57
MEAN	119	1.37	1.34	.085	11.8	.13	.43	.054	.015	122	273	32.2
MAX	247	2.6	5.7	.27	162	2.2	1.2	.20	.04	394	468	261
MIN	1.6	.84	.01	.00	.08	.00	.00	.00	.00	.00	.07	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1997, BY WATER YEAR (WY)

64.8	26.2	22.9	46.3	54.8	54.7	47.5	17.2	35.9	77.6	125	113	
MAX	288	147	156	251	353	294	265	290	207	290	693	395
(WY)	1980	1995	1984	1984	1983	1983	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1965 - 1997
ANNUAL TOTAL	34997.71	17341.64	
ANNUAL MEAN	95.6	47.5	57.2
HIGHEST ANNUAL MEAN			172
LOWEST ANNUAL MEAN			.25
HIGHEST DAILY MEAN	458 Jan 4	468 Aug 12	831 Aug 5 1995
LOWEST DAILY MEAN	.01 Dec 17	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.01 Dec 17	.00 Mar 18	.00 Apr 28 1965
INSTANTANEOUS PEAK FLOW		481 Aug 11	894 Aug 15 1995
INSTANTANEOUS PEAK STAGE		15.00 Aug 11	15.90 Aug 15 1995
10 PERCENT EXCEEDS	242	197	217
50 PERCENT EXCEEDS	55	.13	.64
90 PERCENT EXCEEDS	1.2	.00	.00

LOCATION.--Lat 27°54'07", long 81°49'03", in NE¹/₄ sec.4, T.30 S., R.25 E., Polk County, Hydrologic Unit 03100101, near center of span on downstream side of 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 mi².

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.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

e Estimated

MEAN	316	142	122	161	178	215	178	90.7	153	287	401	449
MAX	1411	597	1114	641	761	1396	1107	649	1319	1366	1528	2261
(WY)	1954	1954	1954	1954	1983	1960	1959	1957	1959	1959	1960	1960
MIN	20.2	10.3	6.68	8.26	6.75	13.9	9.68	6.45	7.39	18.4	17.5	37.4
(WY)	1991	1991	1991	1991	1991	1991	1976	1990	1989	1981	1989	1990

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	85711.0		42610.7			
ANNUAL MEAN	234		117		225	
HIGHEST ANNUAL MEAN					814	1960
LOWEST ANNUAL MEAN					35.2	1985
HIGHEST DAILY MEAN	1110	Jan 4	792	Aug 14	4100	Sep 24 1947
LOWEST DAILY MEAN	14	May 20	6.3	Jun 9	1.2	Apr 26 1968
ANNUAL SEVEN-DAY MINIMUM	17	May 16	8.1	Jun 5	2.3	Apr 25 1968
INSTANTANEOUS PEAK FLOW			808	Aug 13	4140	Sep 24 1947
INSTANTANEOUS PEAK STAGE			7.77	Aug 13	11.01	Sep 13 1960
10 PERCENT EXCEEDS	598		370		591	
50 PERCENT EXCEEDS	161		33		108	
90 PERCENT EXCEEDS	27		14		19	

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02294650 PEACE RIVER AT BARTOW, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	4.30	3.49	3.59	3.32	3.09	2.99	4.17	3.13	3.87	7.16	5.82
2	5.61	4.22	4.24	3.62	3.33	3.08	2.95	4.11	3.16	3.81	7.23	5.76
3	5.55	4.14	4.36	3.57	3.30	3.08	2.92	4.00	3.14	3.75	7.38	5.75
4	5.51	4.05	4.25	3.54	3.26	3.07	2.90	3.88	3.08	3.92	7.43	5.82
5	5.49	3.98	4.14	3.53	3.25	3.06	2.86	3.77	3.01	4.51	7.44	6.01
6	5.52	3.89	4.06	3.52	3.26	3.04	2.83	3.60	2.93	4.72	7.47	6.02
7	5.79	3.86	4.12	3.51	3.49	3.03	2.81	3.46	2.86	4.74	7.54	5.99
8	6.32	3.82	4.47	3.48	3.21	3.03	2.82	3.37	2.82	4.85	7.64	5.95
9	6.24	3.76	4.69	3.48	3.18	3.03	2.80	3.28	2.80	4.93	7.66	5.87
10	6.31	3.69	4.76	3.62	3.16	3.03	2.78	3.21	2.83	4.97	7.66	5.56
11	6.35	3.64	4.71	3.69	3.72	3.02	2.76	3.22	2.95	4.98	7.70	5.40
12	6.38	3.59	4.61	3.67	5.60	3.02	2.85	3.31	3.48	5.03	7.73	5.31
13	6.40	3.54	4.51	3.59	5.57	3.01	2.88	3.50	3.63	5.12	7.73	5.27
14	6.47	3.52	4.42	3.54	3.80	3.36	2.92	3.56	3.67	5.24	7.74	5.23
15	6.64	3.52	4.34	3.58	3.23	3.82	3.16	3.43	3.69	5.69	7.72	5.17
16	6.72	3.54	4.26	3.59	3.60	3.73	3.13	3.32	3.74	5.88	7.69	5.09
17	6.86	3.52	4.20	3.57	3.63	3.47	---	3.26	3.68	5.95	7.65	4.99
18	6.73	3.49	4.18	3.53	3.61	3.26	3.01	3.22	3.61	6.09	7.56	4.91
19	6.68	3.48	4.13	3.46	3.51	3.15	2.95	3.19	3.49	6.20	7.37	4.80
20	6.61	3.46	4.02	3.42	3.42	3.11	2.98	3.16	3.36	6.26	7.16	4.66
21	6.55	3.44	3.96	3.41	3.35	3.33	2.93	---	3.26	6.28	6.76	4.52
22	6.46	3.41	3.92	3.37	3.28	3.43	2.85	3.14	3.42	6.33	6.65	4.37
23	6.14	3.37	3.88	3.36	3.25	3.33	---	3.29	3.21	6.47	6.59	4.23
24	6.02	3.33	3.84	3.34	3.19	3.23	---	3.14	3.12	6.62	6.52	4.17
25	5.97	3.32	3.81	3.34	3.16	3.14	---	3.04	3.24	6.66	6.53	4.18
26	5.92	3.44	3.77	3.34	3.15	3.10	3.40	2.99	3.44	6.66	6.67	4.20
27	5.88	3.59	3.75	3.34	3.13	3.08	3.81	2.93	3.55	6.65	6.59	4.82
28	5.51	3.53	3.74	3.33	3.11	3.06	4.11	2.90	3.49	6.64	6.27	5.34
29	4.74	3.47	3.72	3.33	---	3.04	4.16	2.94	3.60	6.72	6.06	6.33
30	4.50	3.42	3.68	3.33	---	3.03	4.24	3.01	3.85	6.92	5.95	6.46
31	4.39	---	3.60	3.33	---	3.03	---	3.05	---	7.07	5.86	---
MEAN	6.00	3.64	4.12	3.48	3.50	3.17	---	---	3.31	5.60	7.13	5.27
MAX	6.86	4.30	4.76	3.69	5.60	3.82	---	---	3.85	7.07	7.74	6.46
MIN	4.39	3.32	3.49	3.33	3.11	3.01	---	---	2.80	3.75	5.86	4.17

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02294650 PEACE RIVER AT BARTOW, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)
JAN 28...	0930	3.33	20	277	6.6	14.0	--	8.2	--	--	--	--
FEB 27...	1005	3.12	17	303	6.7	19.0	120	6.8	15	5.6	28	8.3
APR 08...	0940	2.82	9.5	323	6.8	22.0	60	4.4	18	6.2	29	8.7
SEP 09...	0910	5.90	200	171	6.3	25.5	280	2.8	12	4.8	12	5.1

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)
JAN 28...	--	--	--	--	--	0.010	0.680	0.050	0.92	0.270	0.250	--
FEB 27...	20	36	0.20	3.4	198	0.010	0.280	0.050	1.1	0.420	0.370	80
APR 08...	21	35	0.30	1.4	198	<0.010	0.130	0.040	1.6	0.920	0.760	360
SEP 09...	9.9	18	0.30	7.4	142	<0.010	0.080	0.120	2.7	0.180	0.080	47

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02294898 PEACE RIVER AT FORT MEADE, FL

LOCATION.--Lat 27°45'04", long 81°46'56", in SE 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 mi².

WATER-DISCHARGE RECORDS

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. 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	80	20	36	15	11	6.7	123	2.5	12	573	226
2	250	82	57	50	14	11	11	116	2.7	14	679	257
3	200	65	85	38	13	11	6.9	99	2.2	13	821	259
4	192	50	67	31	12	11	6.0	108	9.3	12	822	282
5	193	52	62	36	11	10	4.8	88	30	21	822	443
6	224	51	60	32	13	9.5	4.0	66	9.8	51	837	275
7	233	41	56	33	26	8.9	3.7	39	4.1	59	884	249
8	295	43	138	28	26	8.5	3.2	49	2.3	57	887	267
9	321	42	135	30	21	8.2	2.6	61	2.2	89	866	254
10	344	30	122	49	27	7.8	1.2	19	2.9	107	1000	212
11	351	24	116	43	25	8.3	1.0	8.2	5.3	101	993	174
12	361	23	107	31	29	21	2.4	20	61	92	959	139
13	386	20	104	26	83	7.2	5.0	56	36	81	972	125
14	371	19	99	25	94	37	2.7	57	20	81	1070	116
15	340	18	98	27	47	46	8.3	46	17	97	1060	109
16	342	18	99	26	21	29	14	35	12	100	1060	103
17	396	18	114	25	33	24	9.6	24	13	100	1030	96
18	449	18	106	23	39	21	5.6	12	17	103	996	88
19	474	18	98	19	25	14	2.6	12	11	119	922	81
20	447	18	81	18	21	10	1.7	11	8.4	145	842	85
21	416	18	61	23	17	20	1.2	25	8.4	179	771	70
22	384	17	46	31	14	42	1.0	9.0	10	196	674	60
23	362	30	42	18	13	54	2.9	7.0	10	220	520	58
24	355	20	39	14	13	27	6.2	55	6.6	252	426	66
25	294	14	36	15	12	22	5.5	55	6.7	285	389	69
26	254	16	36	16	12	23	25	9.9	10	308	345	87
27	234	19	36	13	11	23	76	3.5	14	310	361	155
28	209	22	31	13	11	12	102	17	37	317	386	245
29	196	21	28	14	---	8.8	140	26	17	337	376	216
30	111	19	27	17	---	7.8	127	5.8	10	465	316	228
31	76	---	46	16	---	7.4	---	2.5	---	506	247	---
TOTAL	9340	926	2252	816	698	561.4	589.8	1264.9	398.4	4829	22906	5094
MEAN	301	30.9	72.6	26.3	24.9	18.1	19.7	40.8	13.3	156	739	170
MAX	474	82	138	50	94	54	140	123	61	506	1070	443
MIN	76	14	20	13	11	7.2	1.0	2.5	2.2	12	247	58
CFSM	.63	.06	.15	.05	.05	.04	.04	.09	.03	.32	1.54	.35
IN.	.72	.07	.17	.06	.05	.04	.05	.10	.03	.37	1.78	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1997, BY WATER YEAR (WY)

	MEAN	244	104	97.6	139	135	146	134	77.9	106	229	358	371
MAX	976	452	464	636	756	882	714	679	430	697	1587	1142	
(WY)	1995	1995	1995	1996	1983	1983	1983	1979	1982	1982	1995	1995	
MIN	12.7	6.43	3.85	5.75	4.25	7.59	6.30	2.37	4.01	11.7	54.9	30.3	
(WY)	1991	1991	1991	1991	1991	1991	1985	1994	1985	1981	1989	1990	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1975 - 1997
ANNUAL TOTAL	100730	49675.5	
ANNUAL MEAN	275	136	179
HIGHEST ANNUAL MEAN			504
LOWEST ANNUAL MEAN			37.6
HIGHEST DAILY MEAN	1030	1070	2020
LOWEST DAILY MEAN	11	1.0	.22
ANNUAL SEVEN-DAY MINIMUM	12	2.6	.49
INSTANTANEOUS PEAK FLOW		1080	2150
INSTANTANEOUS PEAK STAGE		77.31	78.54
ANNUAL RUNOFF (CFSM)	.57	.28	.37
ANNUAL RUNOFF (INCHES)	7.81	3.85	5.06
10 PERCENT EXCEEDS	622	379	479
50 PERCENT EXCEEDS	218	37	81
90 PERCENT EXCEEDS	23	7.3	11

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.78	71.61	70.58	70.93	70.44	70.31	70.17	72.19	70.06	70.36	75.75	73.34
2	73.47	71.64	71.26	71.18	70.41	70.31	70.30	72.10	70.07	70.42	76.18	73.65
3	72.96	71.40	71.68	70.95	70.38	70.30	70.18	71.87	70.05	70.41	76.67	73.67
4	72.88	71.17	71.43	70.82	70.36	70.29	70.15	72.00	70.30	70.37	76.68	73.85
5	72.89	71.21	71.35	70.92	70.35	70.27	70.13	71.70	70.73	70.56	76.67	75.05
6	73.21	71.18	71.33	70.85	70.38	70.26	70.11	71.38	70.31	71.07	76.72	73.82
7	73.30	71.02	71.25	70.88	70.63	70.24	70.10	70.91	70.13	71.18	76.84	73.58
8	73.92	71.06	72.36	70.78	70.62	70.23	70.09	71.10	70.05	71.17	76.85	73.74
9	74.16	71.03	72.33	70.82	70.52	70.21	70.06	71.29	70.05	71.69	76.80	73.62
10	74.34	70.82	72.18	71.15	70.65	70.20	69.98	70.52	70.08	71.96	77.14	73.20
11	74.39	70.69	72.10	71.04	70.62	70.21	69.97	70.27	70.15	71.88	77.11	72.79
12	74.46	70.67	71.98	70.83	70.71	70.52	70.05	70.51	71.26	71.74	77.03	72.39
13	74.64	70.60	71.94	70.73	71.65	70.18	70.16	71.20	70.82	71.56	77.06	72.21
14	74.54	70.57	71.88	70.71	71.80	70.85	70.07	71.23	70.54	71.56	77.28	72.11
15	74.32	70.55	71.87	70.75	71.05	71.03	70.27	71.03	70.48	71.81	77.28	72.01
16	74.33	70.54	71.88	70.72	70.55	70.70	70.42	70.83	70.38	71.85	77.26	71.93
17	74.72	70.55	72.07	70.71	70.80	70.61	70.31	70.61	70.39	71.86	77.20	71.83
18	75.08	70.55	71.97	70.66	70.90	70.54	70.18	70.37	70.48	71.91	77.12	71.72
19	75.23	70.55	71.86	70.57	70.62	70.38	70.07	70.37	70.36	72.13	76.94	71.63
20	75.07	70.54	71.62	70.55	70.54	70.28	70.02	70.36	70.28	72.46	76.73	71.68
21	74.86	70.53	71.34	70.64	70.45	70.51	69.98	70.63	70.28	72.85	76.51	71.45
22	74.63	70.51	71.10	70.83	70.39	70.97	69.96	70.29	70.33	73.04	76.17	71.30
23	74.47	70.80	71.03	70.55	70.36	71.18	70.05	70.22	70.34	73.28	75.50	71.27
24	74.42	70.59	70.98	70.44	70.35	70.68	70.20	71.17	70.22	73.60	74.97	71.39
25	73.91	70.43	70.93	70.46	70.34	70.57	70.18	71.16	70.22	73.92	74.72	71.43
26	73.52	70.48	70.92	70.48	70.33	70.59	70.60	70.31	70.33	74.12	74.42	71.71
27	73.31	70.58	70.93	70.41	70.32	70.58	71.54	70.11	70.40	74.14	74.53	72.56
28	73.06	70.64	70.84	70.39	70.32	70.34	71.90	70.44	70.84	74.21	74.70	73.53
29	72.92	70.63	70.78	70.41	---	70.24	72.40	70.65	70.48	74.34	74.63	73.24
30	71.98	70.56	70.75	70.48	---	70.20	72.24	70.19	70.33	75.21	74.18	73.36
31	71.55	---	71.11	70.46	---	70.19	---	70.06	---	75.43	73.55	---
MEAN	73.88	70.79	71.47	70.71	70.60	70.45	70.39	70.87	70.36	72.33	76.17	72.64
MAX	75.23	71.64	72.36	71.18	71.80	71.18	72.40	72.19	71.26	75.43	77.28	75.05
MIN	71.55	70.43	70.58	70.39	70.32	70.18	69.96	70.06	70.05	70.36	73.55	71.27

WTR YR 1997 MEAN 71.74 MAX 77.28 MIN 69.96

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02294898 PEACE RIVER AT FORT MEADE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-69, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 28...	1535	70.39	13	486	6.5	17.0	9.5
FEB 27...	1500	70.32	11	417	7.3	21.0	9.8
APR 08...	1410	70.09	3.2	473	7.9	23.0	8.3
SEP 09...	1445	73.60	252	262	7.6	25.5	4.8

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 28...	<0.010	0.730	0.050	0.50	0.420	0.400
FEB 27...	0.010	0.690	0.060	0.75	0.620	0.520
APR 08...	<0.010	0.440	0.030	0.52	0.530	0.470
SEP 09...	0.013	0.280	0.090	2.2	0.650	0.390

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 mi².

PERIOD OF RECORD.--February 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.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	3.9	2.5	3.0	4.1	2.5	1.7	14	5.1	2.3	12	22
2	7.9	3.7	5.0	2.9	3.9	2.4	1.6	9.7	6.8	2.2	15	60
3	7.2	3.5	4.5	2.8	3.7	2.3	1.6	7.4	5.4	2.2	80	41
4	8.1	3.3	3.9	2.7	3.5	2.4	1.6	6.1	4.2	2.2	39	32
5	10	3.3	3.5	2.7	3.3	2.4	1.5	5.2	3.6	7.1	29	36
6	17	3.5	3.4	2.7	3.4	2.2	1.5	4.5	3.1	10	29	30
7	46	3.3	5.2	2.6	3.4	2.1	1.5	4.0	2.7	9.6	37	22
8	76	3.1	15	2.5	3.4	2.0	1.6	3.5	2.5	6.2	65	18
9	66	3.3	8.4	2.9	3.4	1.9	1.5	3.2	2.4	5.4	45	15
10	44	3.0	6.2	6.2	3.3	1.9	1.5	2.9	2.8	4.6	131	12
11	32	2.9	5.5	5.0	3.3	1.9	1.5	2.8	3.3	4.1	151	10
12	26	2.8	5.0	4.3	3.2	1.8	2.2	4.0	3.7	3.8	160	11
13	21	2.7	4.6	3.9	3.2	1.8	2.6	4.9	3.4	3.4	143	10
14	19	2.7	4.4	3.9	3.1	4.0	3.1	4.1	3.0	4.5	217	8.2
15	17	2.6	4.2	4.1	3.2	5.2	4.1	3.6	2.6	4.7	133	6.9
16	15	2.7	3.9	4.0	3.7	4.2	4.4	3.3	2.3	12	139	6.1
17	15	2.6	3.8	3.8	3.9	3.6	3.8	3.2	2.6	7.4	95	5.4
18	17	2.7	3.7	3.5	3.9	3.2	3.1	3.1	3.7	11	67	4.8
19	16	2.6	3.6	3.3	3.8	2.8	2.6	3.0	3.0	10	57	4.3
20	13	2.6	3.5	3.2	3.8	2.5	2.3	3.3	2.4	19	62	3.9
21	12	2.5	3.4	3.2	3.5	2.8	2.1	2.7	2.6	11	48	3.6
22	10	2.4	3.4	3.0	3.3	2.9	2.0	4.0	2.3	9.5	43	3.3
23	8.7	2.3	3.3	2.9	3.2	2.6	2.1	6.0	2.2	8.6	41	3.3
24	7.7	2.3	3.3	2.9	3.0	2.4	3.6	4.5	2.2	6.6	30	4.5
25	6.9	2.2	3.3	3.6	2.9	2.2	3.4	3.7	3.0	7.0	24	4.3
26	6.3	2.4	3.3	4.8	2.8	2.1	7.9	3.1	5.4	23	20	4.3
27	5.7	2.7	3.3	4.6	2.7	2.0	13	2.8	4.0	18	17	41
28	5.2	2.7	3.3	4.4	2.6	1.9	21	2.5	3.4	20	14	86
29	4.9	2.6	3.2	4.3	---	1.8	27	3.5	3.0	18	12	48
30	4.5	2.5	3.1	4.5	---	1.9	18	2.9	2.5	21	10	34
31	4.1	---	3.1	4.4	---	1.8	---	2.8	---	14	8.2	---
TOTAL	557.7	85.4	135.8	112.6	94.5	77.5	145.4	134.3	99.2	288.4	1973.2	590.9
MEAN	18.0	2.85	4.38	3.63	3.38	2.50	4.85	4.33	3.31	9.30	63.7	19.7
MAX	76	3.9	15	6.2	4.1	5.2	27	14	6.8	23	217	86
MIN	4.1	2.2	2.5	2.5	2.6	1.8	1.5	2.5	2.2	2.2	8.2	3.3
AC-FT	1110	169	269	223	187	154	288	266	197	572	3910	1170
CFSM	.38	.06	.09	.08	.07	.05	.10	.09	.07	.20	1.35	.42
IN.	.44	.07	.11	.09	.07	.06	.11	.11	.08	.23	1.56	.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1997, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	34.5	10.1	11.4	18.5	18.4	17.9	9.73	3.59	32.8	47.7	67.4	54.7																					
MAX	134	26.6	63.2	57.8	103	50.0	45.1	6.92	113	101	196	182																					
(WY)	1996	1995	1995	1996	1966	1965	1993	1996	1968	1965	1995	1994																					
MIN	5.86	2.19	2.20	1.82	2.83	1.66	.54	1.21	3.31	9.30	11.4	8.59																					
(WY)	1965	1967	1992	1992	1968	1967	1968	1967	1997	1997	1993	1991																					

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1965 - 1997
ANNUAL TOTAL	5967.3	4294.9	
ANNUAL MEAN	16.3	11.8	28.2
HIGHEST ANNUAL MEAN			55.6
LOWEST ANNUAL MEAN			11.8
HIGHEST DAILY MEAN	205	217	675
LOWEST DAILY MEAN	2.2	1.5	.30
ANNUAL SEVEN-DAY MINIMUM	2.4	1.5	.37
INSTANTANEOUS PEAK FLOW		257	742
INSTANTANEOUS PEAK STAGE		6.74	8.34
ANNUAL RUNOFF (AC-FT)	11840	8520	20430
ANNUAL RUNOFF (CFSM)	.35	.25	.60
ANNUAL RUNOFF (INCHES)	4.70	3.38	8.12
10 PERCENT EXCEEDS	33	28	74
50 PERCENT EXCEEDS	11	3.7	8.1
90 PERCENT EXCEEDS	3.3	2.3	2.1

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

67

274319081452000 ESTECH POND CLAY SETTLING AREA OUTFALL NEAR FT. MEADE, FL

LOCATION.--Lat 27°43'19", long 81°45'20", in NE¹/₄ sec.16, T.32 S., R.26 E., Polk County, Hydrologic Unit 03100101, on left bank of dyke, 0.4 mi west of Keller Road, 1.8 mi south of intersection State Highway 630 and Keller Road, and 3.6 mi southeast of Ft. Meade.

DRAINAGE AREA.--0.12 mi².

PERIOD OF RECORD.--August 1995 to September 1997 (discontinued). Records of discharge prior to October 1995 are available in files of the Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (BCI reference mark).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.07	.00	.84	.00	.00	.02	.00	.00	.00	.00	.00
2	.00	.03	.00	.72	.00	.03	.01	.00	.00	.00	.00	.00
3	.00	.02	.00	.83	.01	.02	.00	.00	.00	.00	.00	.00
4	.00	.01	.00	.26	.00	.01	.00	.00	.00	.00	.00	.00
5	.04	.01	.00	.10	.00	.01	.00	.00	.00	.00	.00	.00
6	.22	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00
7	.13	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00
8	.07	.12	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
9	.05	.05	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
10	.05	.02	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
11	.06	.02	.00	.02	.00	.01	.00	.00	.00	.00	.00	.00
12	.04	.01	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00
13	.02	.01	.00	.04	.00	.01	.00	.00	.00	.00	.00	.00
14	.03	.01	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00
15	.05	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
16	.03	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
17	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
18	.10	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
19	.24	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
20	.09	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
21	.05	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
22	.03	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
23	.03	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
24	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
25	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
26	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
27	.02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
28	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.01	---	.00	---	.00	.00	---
TOTAL	1.45	0.38	0.00	3.26	0.01	0.10	0.03	0.00	0.00	0.00	0.00	0.00
MEAN	.047	.013	.000	.11	.000	.003	.001	.000	.000	.000	.000	.000
MAX	.24	.12	.00	.84	.01	.03	.02	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	2.9	.8	.00	6.5	.02	.2	.06	.00	.00	.00	.00	.00
CFSM	.39	.11	.00	.88	.00	.03	.01	.00	.00	.00	.00	.00
IN.	.45	.12	.00	1.01	.00	.03	.01	.00	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MEAN	.047	.013	.000	.11	.000	.003	.001	.000	.000	.000	.000	.000
MAX	.047	.013	.000	.11	.000	.003	.001	.000	.000	.000	.000	.000
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	.047	.013	.000	.11	.000	.003	.001	.000	.000	.000	.000	.000
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	5.23
ANNUAL MEAN	.014
HIGHEST DAILY MEAN	.84 Jan 1
LOWEST DAILY MEAN	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Nov 15
INSTANTANEOUS PEAK FLOW	1.9 Jan 1
INSTANTANEOUS PEAK STAGE	111.78 Jan 1
ANNUAL RUNOFF (AC-FT)	10
ANNUAL RUNOFF (CFSM)	.12
ANNUAL RUNOFF (INCHES)	1.62
10 PERCENT EXCEEDS	.02
50 PERCENT EXCEEDS	.00
90 PERCENT EXCEEDS	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

274319081452000 ESTECH POND CLAY SETTLING AREA OUTFALL NEAR FT. MEADE, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
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	.13	e.02
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	e.01
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.02
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.04
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.06	.01
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.01
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.18	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.05	.10	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.06	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.04	.03	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	e.04	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.02	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.01	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	e.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.01	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.02	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.01	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
28	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	e.00	.01
29	.00	.00	.00	.00	---	.00	.05	.00	.00	.14	e.00	.00
30	.00	.00	.00	.00	---	.00	.02	.00	.00	.39	e.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.27	e.01	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.05	1.03	1.30	0.12
MEAN	.0000	.0000	.0000	.0000	.0000	.0000	.003	.0000	.002	.033	.042	.004
MAX	.00	.00	.00	.00	.00	.00	.05	.00	.02	.39	.18	.04
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.2	.00	.1	2.0	2.6	.2
CFSM	.00	.00	.00	.00	.00	.00	.02	.00	.01	.28	.35	.03
IN.	.00	.00	.00	.00	.00	.00	.02	.00	.02	.32	.40	.04

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	.023	.006	.000	.053	.000	.002	.002	.000	.001	.017	.021	.002
MAX	.047	.013	.000	.11	.000	.003	.003	.000	.002	.033	.042	.004
(WY)	1996	1996	1996	1996	1996	1996	1997	1996	1997	1997	1997	1997
MIN	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000	.000
(WY)	1997	1997	1996	1997	1997	1997	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1995 - 1997
ANNUAL TOTAL	3.40	2.58	
ANNUAL MEAN	.009	.007	.011
HIGHEST ANNUAL MEAN			.014
LOWEST ANNUAL MEAN			.007
HIGHEST DAILY MEAN	.84 Jan 1	.39 Jul 30	.84 Jan 1 1996
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Feb 4	.00 Oct 1	.00 Aug 16 1995
INSTANTANEOUS PEAK FLOW		.59 Jul 29	1.9 Jan 1 1996
INSTANTANEOUS PEAK STAGE		111.53 Jul 29	111.78 Jan 1 1996
ANNUAL RUNOFF (AC-FT)	6.7	5.1	7.7
ANNUAL RUNOFF (CFSM)	.077	.059	.089
ANNUAL RUNOFF (INCHES)	1.05	.80	1.21
10 PERCENT EXCEEDS	.01	.01	.03
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

69

02295420 PAYNE CREEK NEAR BOWLING GREEN, FL

LOCATION.--Lat 27°37'13", long 81°49'33", in SW 1/4 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 mi².

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. Some diversion by pumping for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	26	21	31	35	e38	22	120	56	26	229	79
2	42	22	32	28	34	e35	20	102	58	25	243	85
3	43	20	28	26	34	e33	18	105	57	25	207	84
4	41	17	34	24	31	e30	16	100	52	27	195	82
5	41	15	32	22	30	e27	15	97	50	64	213	89
6	41	15	28	21	29	e25	14	88	42	119	204	87
7	77	14	27	20	30	e24	15	76	38	122	216	83
8	102	15	55	22	37	e22	17	57	36	100	349	79
9	98	16	42	22	37	e21	16	47	35	105	336	73
10	88	15	39	43	37	e21	15	46	34	116	444	66
11	82	15	34	39	38	e20	14	48	42	113	370	59
12	70	15	39	33	39	e20	19	46	67	120	291	65
13	57	16	38	30	41	e20	25	64	58	119	263	72
14	54	17	37	32	43	e35	23	78	52	110	281	72
15	56	15	34	33	50	45	32	81	48	100	239	68
16	56	14	32	38	66	38	37	80	44	102	216	65
17	56	14	30	33	72	35	30	76	41	122	192	63
18	59	14	29	27	63	33	26	68	40	139	176	61
19	44	14	28	24	62	32	26	73	35	115	159	59
20	37	14	29	24	62	32	26	89	33	138	148	56
21	32	16	31	23	62	38	24	96	32	174	141	53
22	28	14	34	23	59	50	22	107	30	246	136	49
23	26	13	32	22	55	50	22	102	29	276	128	48
24	24	13	32	21	50	52	46	88	28	275	117	50
25	22	12	32	22	e45	62	51	80	38	195	106	58
26	24	13	33	26	e43	46	78	77	74	192	99	68
27	34	15	36	26	e41	36	91	74	49	200	92	215
28	37	20	38	26	e39	32	122	67	43	174	84	349
29	37	26	38	25	---	29	156	52	41	167	80	352
30	37	26	35	32	---	28	134	42	38	234	75	369
31	35	---	33	37	---	25	---	43	---	209	75	---
TOTAL	1518	491	1042	855	1264	1034	1172	2369	1320	4249	6104	3058
MEAN	49.0	16.4	33.6	27.6	45.1	33.4	39.1	76.4	44.0	137	197	102
MAX	102	26	55	43	72	62	156	120	74	276	444	369
MIN	22	12	21	20	29	20	14	42	28	25	75	48
CFSM	.40	.14	.28	.23	.37	.28	.32	.63	.36	1.13	1.63	.84
IN.	.47	.15	.32	.26	.39	.32	.36	.73	.41	1.31	1.88	.94

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	115	63.0	50.3	67.3	82.7	85.3	63.5	39.6	102	168	214	216																						
MAX	418	249	154	194	299	331	192	94.6	592	747	598	786																						
(WY)	1995	1996	1995	1996	1964	1983	1983	1987	1982	1968	1995	1994																						
MIN	16.0	9.02	12.7	10.8	19.1	7.94	2.77	2.00	13.4	19.8	60.5	37.2																						
(WY)	1985	1968	1967	1967	1968	1967	1967	1967	1964	1981	1989	1984																						

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1964 - 1997
ANNUAL TOTAL	25899.9	24476	
ANNUAL MEAN	70.8	67.1	106
HIGHEST ANNUAL MEAN			211
LOWEST ANNUAL MEAN			48.2
HIGHEST DAILY MEAN	450	444	2560
LOWEST DAILY MEAN	8.1	12	1.2
ANNUAL SEVEN-DAY MINIMUM	8.8	14	1.6
INSTANTANEOUS PEAK FLOW		467	3170
INSTANTANEOUS PEAK STAGE		8.44	17.88
ANNUAL RUNOFF (CFSM)	.58	.55	.87
ANNUAL RUNOFF (INCHES)	7.96	7.52	11.86
10 PERCENT EXCEEDS	122	144	233
50 PERCENT EXCEEDS	57	41	57
90 PERCENT EXCEEDS	16	20	14

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 1996 TO SEPTEMBER 1997

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)
JAN 23...	1255	3.27	22	406	8.0	12.0	11.2
MAR 04...	1130	3.32	E30	442	7.5	21.0	8.7
APR 01...	1100	3.21	22	459	8.5	20.0	8.8
AUG 07...	1205	5.14	176	313	6.4	26.0	6.2

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 23...	<0.010	1.10	<0.010	0.58	0.520	0.410
MAR 04...	<0.010	0.480	0.020	0.56	0.580	0.560
APR 01...	<0.010	0.340	<0.010	0.47	0.610	0.560
AUG 07...	0.010	0.420	0.040	0.99	0.760	0.680

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1934 - 1997	
ANNUAL TOTAL	155220		107744			
ANNUAL MEAN	424		295		624	
HIGHEST ANNUAL MEAN					1605	
LOWEST ANNUAL MEAN					179	
HIGHEST DAILY MEAN	1750	Jan 4	2620	Aug 14	19700	Sep 20 1947
LOWEST DAILY MEAN	51	Nov 23	42	Apr 6	19	May 28 1994
ANNUAL SEVEN-DAY MINIMUM	56	Nov 20	48	Apr 5	24	May 23 1994
INSTANTANEOUS PEAK FLOW			2750	Aug 14	26300	Sep 6 1933
INSTANTANEOUS PEAK STAGE			14.55	Aug 14	25.05	Sep 6 1933
ANNUAL RUNOFF (CFSM)	.51		.36		.76	
ANNUAL RUNOFF (INCHES)	6.99		4.85		10.27	
10 PERCENT EXCEEDS	776		752		1410	
50 PERCENT EXCEEDS	380		136		326	
90 PERCENT EXCEEDS	96		66		106	

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

02295637 PEACE RIVER AT ZOLFO SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.42	4.93	4.24	4.55	4.49	4.34	4.12	6.75	4.48	4.50	9.39	6.35
2	6.35	4.95	4.62	4.47	4.42	4.32	4.04	6.29	4.65	4.44	9.58	6.68
3	6.08	4.86	4.98	4.60	4.38	4.29	4.03	6.03	4.79	4.52	9.78	6.83
4	5.91	4.64	4.91	4.42	4.33	4.26	3.98	5.89	4.55	4.57	10.27	6.88
5	5.87	4.56	4.76	4.42	4.35	4.21	3.93	5.79	4.53	5.04	10.89	7.46
6	5.97	4.60	4.69	4.47	4.32	4.16	3.89	5.48	4.58	6.52	10.97	7.74
7	6.78	4.55	4.72	4.38	4.36	4.10	3.92	5.28	4.37	6.29	11.70	6.92
8	7.86	4.48	5.69	4.40	4.57	4.05	4.06	4.92	4.31	5.90	11.93	6.75
9	8.26	4.55	5.94	4.40	4.62	4.01	4.05	4.93	4.22	6.13	12.53	6.67
10	7.78	4.49	5.59	4.94	4.59	3.96	3.99	4.84	4.19	7.85	12.06	6.42
11	7.50	4.36	5.48	5.05	4.60	3.95	3.94	4.54	4.34	8.07	12.06	6.07
12	7.26	4.30	5.36	4.79	4.67	3.96	4.24	4.56	6.65	7.36	11.83	5.84
13	7.17	4.25	5.32	4.61	4.89	4.20	4.30	5.36	5.70	6.44	11.76	5.95
14	7.13	4.19	5.23	4.56	5.26	4.93	4.30	5.40	5.19	6.52	14.31	5.83
15	7.08	4.12	5.20	4.72	5.30	5.50	4.53	5.35	4.86	7.01	13.32	5.61
16	6.97	4.08	5.12	4.68	5.02	5.03	4.73	5.21	4.67	6.16	12.47	5.50
17	7.06	4.20	5.14	4.57	4.85	4.75	4.63	4.96	4.57	6.06	11.94	5.39
18	8.32	4.16	5.21	4.46	4.97	4.57	4.40	4.70	4.65	8.94	11.49	5.29
19	8.20	4.11	5.06	4.37	4.91	4.48	4.25	4.75	4.58	7.37	11.08	5.20
20	7.81	4.11	4.93	4.33	4.77	4.40	4.16	4.97	4.46	8.45	10.72	5.10
21	7.52	4.09	4.83	4.30	4.67	4.42	4.10	4.92	4.60	9.14	10.33	5.06
22	7.23	4.10	4.71	4.39	4.52	4.69	4.05	5.06	4.43	8.82	10.57	4.90
23	6.98	4.02	4.62	4.40	4.45	4.93	4.19	4.93	4.34	9.65	10.03	4.87
24	6.82	4.13	4.58	4.27	4.34	4.88	4.68	4.88	4.30	9.10	8.98	5.02
25	6.67	4.07	4.54	4.21	4.30	4.75	4.63	5.10	4.33	8.76	8.19	5.03
26	6.25	4.10	4.54	4.41	4.32	4.67	5.43	4.84	5.56	8.17	7.69	5.21
27	6.11	4.15	4.53	4.51	4.36	4.51	6.90	4.57	5.11	---	7.34	7.25
28	5.94	4.17	4.52	4.36	4.34	4.45	7.05	4.45	4.82	---	7.26	10.87
29	5.83	4.21	4.47	4.39	---	4.32	9.49	4.46	4.79	8.25	7.25	10.25
30	5.68	4.22	4.42	4.43	---	4.25	7.83	4.39	4.65	8.94	7.08	9.35
31	5.15	---	4.40	4.49	---	4.18	---	4.15	---	9.51	6.67	---
MEAN	6.84	4.32	4.91	4.50	4.61	4.44	4.73	5.09	4.71	---	10.37	6.41
MAX	8.32	4.95	5.94	5.05	5.30	5.50	9.49	6.75	6.65	---	14.31	10.87
MIN	5.15	4.02	4.24	4.21	4.30	3.95	3.89	4.15	4.19	---	6.67	4.87

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02295637 PEACE RIVER AT ZOLFO SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1951-52, 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 23...	1405	4.37	80	468	7.2	13.0	12.6
MAR 04...	1235	4.26	72	490	7.7	23.0	11.1
APR 01...	1130	4.12	60	529	9.2	23.0	9.9
AUG 07...	1025	11.62	1500	240	7.5	26.0	5.0

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 23...	<0.010	1.50	0.010	0.51	0.800	0.750
MAR 04...	<0.010	0.650	0.030	1.0	1.20	0.930
APR 01...	<0.010	0.660	0.040	0.66	1.10	1.00
AUG 07...	0.021	0.400	0.330	2.4	0.980	0.750

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

02296500 CHARLIE CREEK NEAR GARDNER, FL

LOCATION.--Lat 27°22'29", long 81°47'48", in SE 1/4 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 mi².

WATER-DISCHARGE RECORDS

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	37	9.0	10	12	6.1	3.5	109	9.5	73	511	101
2	31	34	11	9.6	12	5.8	3.4	117	11	90	561	88
3	32	31	13	8.7	11	5.4	3.4	106	14	97	528	77
4	30	29	11	8.1	11	5.4	3.4	88	16	103	472	69
5	31	27	11	7.6	10	5.9	3.4	71	16	109	500	65
6	39	25	11	7.4	11	5.5	3.2	59	24	111	668	92
7	49	23	11	6.8	14	5.7	3.5	49	32	114	628	130
8	329	23	11	6.5	11	6.1	3.9	40	32	117	626	120
9	548	21	22	6.8	10	5.5	3.5	32	28	158	721	94
10	439	19	49	12	10	5.3	3.5	25	22	180	734	76
11	453	17	58	16	11	5.1	3.2	19	19	249	770	63
12	421	16	51	17	11	5.1	4.9	18	46	300	826	55
13	351	14	42	18	12	4.8	6.9	23	49	308	819	54
14	293	14	35	19	10	9.9	6.5	28	37	292	798	57
15	244	14	29	20	9.1	18	9.7	29	28	294	790	52
16	205	13	25	21	8.6	16	14	30	29	283	781	46
17	173	13	21	20	8.6	12	14	28	35	275	687	43
18	174	12	19	19	8.8	11	13	24	40	280	598	41
19	159	12	16	20	9.1	9.2	11	21	39	285	537	37
20	131	12	14	23	9.5	7.9	9.1	18	35	311	482	34
21	114	11	13	21	8.7	7.2	7.4	15	32	315	433	31
22	107	11	13	18	8.2	6.8	6.2	14	30	364	404	28
23	104	10	11	16	7.4	6.1	6.5	14	29	516	408	27
24	97	9.8	11	14	7.0	5.4	19	14	29	522	403	26
25	87	9.3	11	14	6.7	4.8	21	13	31	529	348	23
26	76	9.5	12	13	7.0	4.4	27	14	82	454	390	26
27	65	9.4	12	13	6.7	4.3	87	13	85	414	307	308
28	56	9.0	12	12	6.2	4.1	83	11	70	391	240	1210
29	50	8.9	12	13	---	4.0	104	9.8	60	425	190	1130
30	45	8.8	11	13	---	4.0	100	9.0	59	424	152	968
31	40	---	11	12	---	3.9	---	8.9	---	443	121	---
TOTAL	5007	502.7	598.0	435.5	267.6	210.7	588.1	1069.7	1068.5	8826	16433	5171
MEAN	162	16.8	19.3	14.0	9.56	6.80	19.6	34.5	35.6	285	530	172
MAX	548	37	58	23	14	18	104	117	85	529	826	1210
MIN	30	8.8	9.0	6.5	6.2	3.9	3.2	8.9	9.5	73	121	23
CFSM	.49	.05	.06	.04	.03	.02	.06	.10	.11	.86	1.61	.52
IN.	.56	.06	.07	.05	.03	.02	.07	.12	.12	.99	1.85	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

	MEAN	381	102	66.9	110	143	202	128	45.3	264	430	502	661
MAX	2117	675	562	762	1076	951	625	562	2250	2275	2028	2710	
(WY)	1954	1954	1954	1958	1983	1983	1951	1957	1982	1974	1960	1953	
MIN	9.87	4.80	3.39	4.81	4.09	2.10	.81	.57	2.49	4.85	19.1	27.5	
(WY)	1985	1975	1982	1956	1956	1956	1975	1975	1971	1981	1993	1996	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1951 - 1997
ANNUAL TOTAL	35773.3	40177.8	
ANNUAL MEAN	97.7	110	253
HIGHEST ANNUAL MEAN			680
LOWEST ANNUAL MEAN			64.5
HIGHEST DAILY MEAN	560 Jul 1	1210 Sep 28	7820 Aug 1 1960
LOWEST DAILY MEAN	5.6 May 20	3.2 Apr 6	.18 May 5 1975
ANNUAL SEVEN-DAY MINIMUM	7.3 May 16	3.4 Apr 1	.25 May 1 1975
INSTANTANEOUS PEAK FLOW		1250 Sep 28	8160 Aug 1 1960
INSTANTANEOUS PEAK STAGE		10.78 Sep 28	18.77 Aug 1 1960
ANNUAL RUNOFF (CFSM)	.30	.33	.77
ANNUAL RUNOFF (INCHES)	4.03	4.53	10.43
10 PERCENT EXCEEDS	289	410	714
50 PERCENT EXCEEDS	51	23	63
90 PERCENT EXCEEDS	11	6.4	5.7

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02296500 CHARLIE CREEK NEAR GARDNER, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-67, 1969-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 23...	1210	1.51	16	370	6.7	12.0	9.7
MAR 04...	1045	1.13	5.4	339	6.2	21.0	7.0
APR 01...	1020	1.01	3.5	390	9.3	21.0	5.9
AUG 07...	1055	8.02	628	183	7.0	26.0	5.1

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 23...	0.010	1.70	0.020	0.83	0.340	0.320
MAR 04...	<0.010	0.020	0.030	0.74	0.600	0.600
APR 01...	<0.010	<0.020	0.020	0.62	0.720	0.690
AUG 07...	0.023	0.460	0.100	1.9	0.710	0.640

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL
(National Water Quality Assessment program station)

LOCATION.--Lat 27°13'19", long 81°52'34", in SE¹/₄ 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 mi².

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; Mar. 20, 1964, to July 11, 1967, nonrecording gage at same site at datum 6.00 ft lower.

REMARKS.--Records good.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	461	237	94	111	114	101	80	1080	111	237	1480	601
2	420	205	107	115	116	98	74	780	126	235	1620	548
3	399	194	129	111	112	98	70	630	152	238	1730	572
4	353	181	163	116	109	93	67	550	163	238	1690	578
5	324	160	165	112	107	90	64	486	144	317	1680	574
6	328	147	153	101	106	84	61	434	133	523	1940	648
7	474	144	147	106	107	76	60	364	145	712	2140	717
8	998	140	159	101	108	73	60	310	133	655	2340	625
9	1610	131	260	105	116	70	66	252	128	613	2570	575
10	1560	131	316	128	124	67	69	226	123	643	2800	546
11	1310	129	300	168	123	63	67	209	110	1020	2940	500
12	1130	119	282	183	124	60	96	199	e238	1080	2870	440
13	981	113	258	161	130	59	110	242	e453	1060	2740	388
14	878	107	242	149	150	90	124	321	e405	861	2570	388
15	807	103	225	141	194	162	144	319	290	884	2650	364
16	747	98	213	151	209	230	163	301	221	990	3010	322
17	696	95	200	147	181	180	183	278	187	813	3030	296
18	722	95	200	138	158	141	170	243	172	804	2690	272
19	927	96	205	131	165	123	143	201	175	1230	2330	254
20	920	93	189	132	166	111	123	195	170	1400	2070	235
21	807	92	175	132	153	107	110	215	191	1640	1880	215
22	719	90	166	125	147	103	102	204	186	1690	1730	202
23	659	89	155	122	132	115	118	212	167	1960	1770	189
24	607	85	142	123	119	138	180	201	156	2350	1830	198
25	570	86	134	114	112	140	212	185	157	2460	1550	211
26	530	93	128	109	108	125	338	202	186	2260	1240	241
27	448	87	126	110	105	119	639	184	366	1830	1060	834
28	407	89	124	120	103	108	777	151	315	1520	884	2740
29	366	90	124	114	---	99	975	132	252	1430	796	3550
30	339	92	119	111	---	93	1290	122	232	1350	743	3510
31	306	---	114	113	---	89	---	125	---	1360	683	---
TOTAL	21803	3611	5514	3900	3698	3305	6735	9553	5987	34403	61056	21333
MEAN	703	120	178	126	132	107	225	308	200	1110	1970	711
MAX	1610	237	316	183	209	230	1290	1080	453	2460	3030	3550
MIN	306	85	94	101	103	59	60	122	110	235	683	189
CFSM	.51	.09	.13	.09	.10	.08	.16	.23	.15	.81	1.44	.52
IN.	.59	.10	.15	.11	.10	.09	.18	.26	.16	.94	1.66	.58

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1997, BY WATER YEAR (WY)

MEAN	1487	515	423	567	704	813	607	327	1048	1721	1978	2588
MAX	6954	2121	3105	2642	4833	3787	2449	2597	6107	6604	7439	9876
(WY)	1954	1954	1954	1958	1936	1959	1958	1957	1982	1945	1960	1933
MIN	146	101	87.2	83.3	90.0	83.5	63.6	51.6	98.6	93.1	324	328
(WY)	1985	1982	1932	1985	1932	1985	1975	1985	1935	1981	1993	1984

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1932 - 1997

ANNUAL TOTAL	218952		180898		1066	
ANNUAL MEAN	598		496		2571	1960
HIGHEST ANNUAL MEAN					298	1981
LOWEST ANNUAL MEAN					34700	Sep 9 1933
HIGHEST DAILY MEAN	2360	Jan 6	3550	Sep 29		
LOWEST DAILY MEAN	85	Nov 24	59	Mar 13	14	May 22 1982
ANNUAL SEVEN-DAY MINIMUM	88	Nov 22	64	Apr 4	30	May 17 1982
INSTANTANEOUS PEAK FLOW			3660	Sep 29	36200	Sep 9 1933
INSTANTANEOUS PEAK STAGE			10.68	Sep 29	19.92	Sep 9 1933
ANNUAL RUNOFF (CFSM)	.44		.36		.78	
ANNUAL RUNOFF (INCHES)	5.96		4.92		10.60	
10 PERCENT EXCEEDS	1090		1530		2620	
50 PERCENT EXCEEDS	508		187		459	
90 PERCENT EXCEEDS	147		95		122	

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02296750 PEACE RIVER AT ARCADIA, FL--Continued
(National Water Quality Assessment program station)

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.73	1.97	1.26	1.34	1.37	1.30	1.17	4.86	1.38	1.99	6.05	3.27
2	2.60	1.83	1.34	1.36	1.38	1.29	1.13	3.90	1.46	1.98	6.42	3.07
3	2.53	1.78	1.47	1.34	1.35	1.29	1.10	3.37	1.61	1.99	6.73	3.16
4	2.38	1.73	1.65	1.37	1.34	1.25	1.08	3.07	1.66	1.99	6.62	3.18
5	2.27	1.63	1.66	1.34	1.33	1.23	1.06	2.86	1.56	2.29	6.60	3.16
6	2.29	1.56	1.60	1.28	1.32	1.20	1.03	2.69	1.50	2.99	7.28	3.43
7	2.77	1.55	1.56	1.31	1.33	1.15	1.02	2.46	1.57	3.67	7.79	3.68
8	4.54	1.53	1.62	1.28	1.33	1.12	1.02	2.27	1.50	3.46	8.29	3.35
9	6.40	1.49	2.06	1.30	1.38	1.10	1.08	2.05	1.48	3.31	8.78	3.17
10	6.28	1.48	2.28	1.43	1.42	1.08	1.09	1.95	1.45	3.41	9.24	3.06
11	5.54	1.47	2.21	1.63	1.42	1.05	1.08	1.87	1.37	4.69	9.49	2.90
12	5.00	1.41	2.15	1.71	1.43	1.02	1.28	1.83	---	4.88	9.36	2.71
13	4.54	1.38	2.05	1.60	1.47	1.02	1.37	2.01	---	4.80	9.12	2.54
14	4.20	1.35	1.99	1.54	1.57	1.24	1.45	2.32	2.60	4.18	8.79	2.54
15	3.97	1.32	1.92	1.50	1.78	1.64	1.56	2.31	2.20	4.25	8.95	2.46
16	3.76	1.30	1.87	1.55	1.85	1.96	1.66	2.24	1.92	4.59	9.61	2.32
17	3.58	1.28	1.81	1.53	1.72	1.74	1.76	2.15	1.77	4.01	9.66	2.22
18	3.67	1.28	1.80	1.48	1.62	1.55	1.69	2.01	1.70	3.98	9.02	2.13
19	4.37	1.28	1.83	1.45	1.65	1.45	1.56	1.84	1.72	5.34	8.24	2.06
20	4.35	1.27	1.75	1.45	1.66	1.38	1.45	1.81	1.69	5.83	7.60	1.98
21	3.96	1.26	1.69	1.46	1.59	1.35	1.37	1.90	1.79	6.49	7.13	1.90
22	3.67	1.25	1.65	1.42	1.56	1.33	1.33	1.85	1.77	6.62	6.73	1.84
23	3.45	1.24	1.59	1.40	1.48	1.40	1.41	1.89	1.68	7.33	6.83	1.78
24	3.26	1.21	1.52	1.41	1.41	1.53	1.74	1.84	1.62	8.30	7.00	1.82
25	3.12	1.21	1.48	1.36	1.37	1.54	1.88	1.76	1.63	8.55	6.25	1.88
26	2.97	1.25	1.45	1.32	1.35	1.46	2.34	1.84	1.76	8.07	5.36	2.00
27	2.70	1.22	1.44	1.33	1.33	1.43	3.40	1.76	2.47	6.99	4.80	3.99
28	2.57	1.23	1.43	1.39	1.32	1.36	3.89	1.60	2.29	6.15	4.25	9.06
29	2.44	1.23	1.42	1.36	---	1.30	4.54	1.50	2.05	5.90	3.96	10.52
30	2.36	1.25	1.39	1.34	---	1.26	5.49	1.45	1.97	5.68	3.78	10.45
31	2.24	---	1.36	1.35	---	1.24	---	1.46	---	5.72	3.56	---
MEAN	3.56	1.41	1.69	1.42	1.47	1.33	1.77	2.22	---	4.82	7.20	3.39
MAX	6.40	1.97	2.28	1.71	1.85	1.96	5.49	4.86	---	8.55	9.66	10.52
MIN	2.24	1.21	1.26	1.28	1.32	1.02	1.02	1.45	---	1.98	3.56	1.78

CAL YR 1996 MEAN 3.20 MAX 8.20 MIN 1.21

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL--Continued
(National Water Quality Assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1930, 1940, 1957 to current year.

DATE	TIME	SAMPLE LOC- ATION, DIST DOWN- STREAM (FEET) (72104)	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 AIR (DEG C) (00020)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT											
22...	1400	100.0	3.65	713	256	7.2	28.0	768	21.5	--	7.7
NOV											
19...	1505	100.0	1.29	97	439	8.0	25.5	765	22.0	--	10.8
DEC											
12...	1115	100.0	2.13	277	433	7.4	26.5	770	16.0	--	8.8
JAN											
13...	1155	100.0	1.60	161	459	7.8	24.5	773	17.0	--	8.7
FEB											
06...	1230	600.0	1.32	106	482	7.8	28.0	767	21.5	--	9.0
MAR											
06...	1145	--	1.20	84	484	6.4	--	--	22.5	--	9.4
06...	1240	600.0	1.20	84	482	8.7	29.5	766	26.0	--	12.4
APR											
01...	0925	--	1.18	81	522	7.2	--	--	22.0	--	7.6
17...	1225	500.0	1.76	183	523	7.9	26.5	764	23.5	--	9.3
MAY											
15...	1155	500.0	2.28	312	463	7.5	28.5	770	26.5	--	7.0
JUN											
18...	1305	600.0	1.70	172	416	7.2	34.5	764	31.0	--	6.6
JUL											
17...	1115	600.0	4.01	813	292	7.0	33.0	769	28.0	--	5.5
AUG											
21...	1245	350.0	7.08	1860	228	7.2	28.0	761	28.5	--	4.2
SEP											
11...	1045	--	2.89	497	319	7.3	--	--	26.0	120	6.1
18...	1350	350.0	2.12	270	327	7.4	30.5	764	29.0	--	6.4
25...	1307	--	1.87	208	360	7.7	--	--	29.0	100	8.5
29...	1530	350.0	10.61	3610	203	6.9	33.0	765	26.0	--	5.0

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
22...	85	20	8.4	15	4.4	--	62	51	31	21
NOV										
19...	160	38	16	25	4.3	--	112	92	78	26
DEC										
12...	150	35	16	29	5.6	--	93	76	90	25
JAN										
13...	170	39	17	23	6.4	--	96	79	90	28
FEB										
06...	180	42	18	24	5.2	--	111	91	94	27
MAR										
06...	--	--	--	--	--	--	--	--	--	--
06...	180	41	18	26	4.2	7	111	103	97	24
APR										
01...	--	--	--	--	--	--	--	--	--	--
17...	200	46	20	22	6.6	--	90	74	130	30
MAY										
15...	160	37	17	26	5.9	--	89	73	96	28
JUN										
18...	150	34	15	22	4.2	--	93	76	79	24
JUL										
17...	110	24	11	14	5.9	--	59	48	46	22
AUG										
21...	76	18	7.6	14	4.2	--	63	52	23	16
SEP										
11...	100	23	11	23	4.1	--	--	--	45	19
18...	110	27	12	17	4.6	--	83	68	43	22
25...	120	28	12	22	4.6	--	--	--	55	23
29...	68	16	6.9	7.7	6.1	--	26	21	35	15

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02296750 PEACE RIVER AT ARCADIA, FL--Continued
(National Water Quality Assessment program station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 22...	0.70	6.9	176	--	0.002	--	0.430	--	<0.002	1.0
NOV 19...	1.1	2.6	273	--	0.012	--	0.660	--	<0.002	0.50
DEC 12...	1.2	4.8	281	--	<0.001	--	0.670	--	<0.002	0.60
JAN 13...	0.90	3.1	287	--	0.006	--	0.990	--	0.022	0.60
FEB 06...	1.0	0.86	293	--	0.003	--	0.860	--	0.020	0.50
MAR 06...	--	--	--	--	--	--	--	--	--	--
06...	1.2	0.18	299	--	<0.001	--	<0.005	--	0.003	1.0
APR 01...	--	--	--	--	--	--	--	--	--	--
17...	0.99	2.8	336	--	0.004	--	0.897	--	0.021	0.57
MAY 15...	1.0	4.2	304	--	0.011	--	0.965	--	0.030	0.77
JUN 18...	0.97	4.5	268	--	0.016	--	0.677	--	0.048	0.81
JUL 17...	0.60	8.0	235	--	0.012	--	0.700	--	0.024	1.3
AUG 21...	0.59	8.3	183	--	0.026	--	0.349	--	0.057	1.6
SEP 11...	0.80	7.8	234	<0.010	--	0.550	--	0.040	--	1.2
18...	0.73	9.4	214	--	0.010	--	0.828	--	0.020	1.1
25...	0.80	8.6	238	<0.010	--	0.880	--	0.040	--	0.96
29...	0.29	5.3	161	--	0.015	--	0.741	--	0.059	1.3

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	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)
OCT 22...	0.90	0.680	0.530	--	0.190	--	--	--	--	--
NOV 19...	0.60	--	--	--	0.690	--	--	--	--	--
DEC 12...	0.50	0.550	0.600	--	0.230	--	--	--	--	--
JAN 13...	0.50	0.760	0.710	--	0.800	--	--	--	--	--
FEB 06...	0.40	0.720	0.640	--	0.710	--	--	--	--	--
MAR 06...	--	--	--	--	--	70	<1	<1	<1	<1
06...	0.50	0.990	0.850	--	0.670	--	--	--	--	--
APR 01...	--	--	--	--	--	80	1	<1	<1	<1
17...	0.50	0.730	0.683	--	0.723	--	--	--	--	--
MAY 15...	0.66	--	--	--	0.638	--	--	--	--	--
JUN 18...	0.80	0.885	0.803	--	0.166	--	--	--	--	--
JUL 17...	1.2	0.894	0.832	--	0.755	--	--	--	--	--
AUG 21...	1.1	0.814	0.641	--	0.646	--	--	--	--	--
SEP 11...	--	0.810	--	0.600	--	200	1	<1	<1	<1
18...	0.72	0.965	0.680	--	0.684	--	--	--	--	--
25...	--	0.850	--	0.760	--	120	1	<1	<1	<1
29...	1.0	0.643	0.556	--	0.490	--	--	--	--	--

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02296750 PEACE RIVER AT ARCADIA, FL--Continued
(National Water Quality Assessment program station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	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)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
OCT 22...	--	250	--	5.0	--	--	--	--	21	11
NOV 19...	--	85	--	6.0	--	--	--	--	10	3
DEC 12...	--	59	--	5.0	--	--	--	--	11	4
JAN 13...	--	53	--	5.0	--	--	--	--	9.8	2
FEB 06...	--	35	--	5.0	--	--	--	--	8.6	0
MAR 06...	60	--	<1	--	<0.10	<1	--	3	--	--
06...	--	6.0	--	1.0	--	--	--	--	9.9	4
APR 01...	100	--	1	--	<0.10	<1	--	3	--	--
17...	--	26	--	5.5	--	--	--	--	10	1
MAY 15...	--	76	--	7.1	--	--	--	--	13	5
JUN 18...	--	80	--	14	--	--	--	--	12	4
JUL 17...	--	340	--	11	--	--	--	--	26	11
AUG 21...	--	430	--	18	--	--	--	--	25	6
SEP 11...	460	--	<1	--	<0.10	<1	400	4	--	--
18...	--	200	--	12	--	--	--	--	16	8
25...	270	--	<1	--	<0.10	<1	710	3	--	--
29...	--	240	--	15	--	--	--	--	20	5

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

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02297100 JOSHUA CREEK AT NOCATEE, FL

LOCATION.--Lat 27°09'59", long 81°52'47", in SE 1/4 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.

DRAINAGE AREA.--132 mi².

WATER-DISCHARGE RECORDS

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.

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

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	37	19	20	24	19	9.5	132	27	39	127	40
2	30	35	20	18	22	17	9.3	104	31	47	140	40
3	33	32	20	18	20	15	8.7	83	30	59	173	37
4	33	31	20	17	19	15	8.2	70	27	90	226	35
5	33	30	20	16	26	15	7.8	61	24	227	219	34
6	33	28	19	15	29	15	7.2	53	22	371	191	32
7	63	28	20	15	27	14	6.7	45	20	326	176	29
8	431	28	33	15	26	15	8.3	38	19	231	161	27
9	1350	27	30	17	25	12	8.4	33	19	179	196	26
10	1020	25	27	33	24	11	8.5	30	20	150	179	26
11	671	24	26	29	24	12	8.0	27	19	302	174	27
12	456	23	24	24	24	12	25	36	19	208	220	28
13	344	24	24	22	23	11	31	99	22	154	200	31
14	280	24	22	25	23	24	27	92	25	120	171	37
15	237	24	21	26	21	38	59	70	29	112	151	38
16	200	21	20	24	20	31	57	60	28	350	150	32
17	174	20	21	22	21	25	46	55	27	283	147	29
18	169	20	21	24	21	21	36	49	24	286	131	27
19	166	22	20	27	20	19	30	44	23	234	131	26
20	144	22	21	32	19	17	27	52	23	191	249	25
21	127	22	21	28	20	18	24	45	35	168	222	23
22	109	22	20	26	20	19	23	38	32	208	202	21
23	93	20	19	26	17	16	25	35	32	255	207	22
24	80	19	20	26	15	15	63	42	39	245	174	25
25	71	18	19	25	19	14	51	37	41	318	136	37
26	63	21	20	23	19	13	77	31	47	271	108	50
27	56	24	20	21	23	13	146	27	68	202	87	494
28	50	23	20	22	20	13	129	25	56	157	71	2150
29	45	21	19	22	---	12	207	25	47	142	58	1700
30	42	20	18	21	---	11	174	24	40	120	51	1190
31	40	---	18	25	---	9.8	---	24	---	112	45	---
TOTAL	6673	735	662	704	611	511.8	1347.6	1586	915	6157	4873	6338
MEAN	215	24.5	21.4	22.7	21.8	16.5	44.9	51.2	30.5	199	157	211
MAX	1350	37	33	33	29	38	207	132	68	371	249	2150
MIN	30	18	18	15	15	9.8	6.7	24	19	39	45	21
CFSM	1.63	.19	.16	.17	.17	.13	.34	.39	.23	1.50	1.19	1.60
IN.	1.88	.21	.19	.20	.17	.14	.38	.45	.26	1.74	1.37	1.79

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1951	165	1067	1954	4.56	1962
1952	38.2	234	1969	3.53	1962
1953	27.1	181	1970	1.78	1956
1954	44.8	283	1958	1.95	1956
1955	51.5	484	1983	2.99	1956
1956	81.5	421	1970	.92	1956
1957	33.4	201	1993	.60	1956
1958	29.2	250	1958	.70	1953
1959	134	1133	1982	.52	1956
1960	174	699	1974	2.16	1956
1961	189	562	1995	7.16	1956
1962	289	899	1994	18.1	1984

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1951 - 1997
ANNUAL TOTAL	25712	31113.4	
ANNUAL MEAN	70.3	85.2	105
HIGHEST ANNUAL MEAN			231
LOWEST ANNUAL MEAN			20.7
HIGHEST DAILY MEAN	1350	2150	7910
LOWEST DAILY MEAN	11	6.7	.00
ANNUAL SEVEN-DAY MINIMUM	14	7.8	.00
INSTANTANEOUS PEAK FLOW		2330	8670
INSTANTANEOUS PEAK STAGE		16.14	19.05
ANNUAL RUNOFF (CFSM)	.53	.65	.79
ANNUAL RUNOFF (INCHES)	7.25	8.77	10.80
10 PERCENT EXCEEDS	145	201	261
50 PERCENT EXCEEDS	38	27	26
90 PERCENT EXCEEDS	20	17	3.8

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297100 JOSHUA CREEK AT NOCATEE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)
JAN 22...	1135	4.79	26	960	6.8	11.0	--	11.1	--	--	--	--
MAR 06...	1225	4.50	16	1040	7.0	20.5	80	8.5	89	23	69	8.2
APR 02...	1115	4.29	9.3	1010	8.8	18.5	60	9.6	87	23	66	6.3
AUG 06...	1030	7.73	191	589	6.7	26.0	--	5.3	--	--	--	--
SEP 11...	1125	4.80	26	895	7.6	24.0	100	7.0	72	19	63	6.7

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SiO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)
JAN 22...	--	--	--	--	--	<0.010	2.10	0.020	0.65	0.070	0.060	--
MAR 06...	120	170	0.50	5.1	698	<0.010	0.420	0.020	0.81	0.150	0.150	6100
APR 02...	120	170	0.50	2.6	654	<0.010	0.140	0.020	0.74	0.170	0.130	6000
AUG 06...	--	--	--	--	--	0.028	1.20	0.060	1.7	0.330	0.260	--
SEP 11...	100	150	0.40	8.9	616	0.011	0.800	0.040	0.79	0.120	0.130	3900

02297155 HORSE CREEK NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°29'13", long 82°01'25", in SE¹/₄ 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 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD FL-84-3A: Drainage area. WRD FL-92-3A: 1988, 1988 (M).

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 fair. The period of record instantaneous peak flow published in WRD FL-93-3A through WRD FL-96-3A is incorrect and should be disregarded. The correct figure is 3,210 cubic feet per second.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.68	1.1	.22	2.7	.69	1.2	11	.07	.03	16	2.9
2	1.8	.70	3.9	.21	1.8	.58	.94	8.8	.06	.03	14	2.9
3	1.9	.62	2.2	.18	1.3	.49	.74	7.4	.06	.02	18	2.2
4	2.0	.50	1.7	.16	1.0	.44	.61	6.5	.06	.03	28	1.9
5	1.9	.41	1.3	.14	1.2	.39	.46	5.8	.04	.79	32	4.2
6	2.3	.31	1.0	.15	1.2	.31	.33	5.0	.03	.94	29	2.8
7	9.2	.26	1.3	.16	1.3	.25	.32	4.0	.03	.12	26	1.7
8	16	.26	3.5	.17	2.5	.19	.41	3.4	.02	.07	38	e.28
9	14	.37	2.1	.78	3.3	.17	.25	2.9	.02	.05	57	e.10
10	9.4	.33	1.5	3.8	3.1	.17	.26	2.5	.02	.05	91	e.23
11	7.3	.40	1.1	2.2	2.7	.15	.23	1.9	.03	.04	81	.54
12	5.6	.47	.96	1.4	2.2	.13	1.3	2.7	.04	.07	73	.42
13	4.6	.48	.87	1.1	1.6	.11	1.2	5.0	.02	.08	e60	.70
14	3.9	.46	.84	1.2	1.4	1.3	1.5	3.7	.01	4.8	e50	.56
15	3.3	.45	.74	1.3	2.2	1.6	3.6	2.6	.01	3.9	e42	.46
16	3.0	.42	.65	1.2	3.2	1.4	3.1	2.0	.00	1.2	e35	.41
17	3.2	.50	.57	.99	3.3	1.1	2.9	1.8	.00	1.2	e29	.57
18	4.0	.57	.52	.79	2.9	.79	2.7	1.5	.02	1.1	e24	1.0
19	3.6	.56	.56	.64	2.5	.62	2.4	1.1	.00	14	20	.41
20	2.9	.53	.53	.60	2.2	.53	2.0	.78	.00	18	17	.23
21	2.5	.48	.48	.56	1.8	.59	1.6	.56	.00	24	13	.15
22	2.2	.41	.43	.48	1.6	1.1	1.2	.39	.00	31	12	.10
23	1.9	.37	.37	.41	1.4	1.7	3.0	.28	.00	47	11	1.2
24	1.6	.35	.32	.40	1.2	1.9	5.6	.27	.00	20	10	3.2
25	1.5	.31	.31	.53	1.1	1.9	3.3	.22	.00	17	8.3	5.3
26	1.3	.71	.30	.83	1.1	2.0	11	.17	.01	15	7.2	4.8
27	1.1	.81	.28	.79	.99	1.9	15	.12	.01	12	7.8	196
28	.90	.67	.29	.72	.81	2.0	36	.10	.00	11	6.9	238
29	.77	.68	.26	1.0	---	2.1	49	.09	.02	7.1	5.3	126
30	.74	.66	.24	5.7	---	1.8	17	.08	.04	7.4	4.2	101
31	.67	---	.24	5.0	---	1.5	---	.07	---	12	3.4	---
TOTAL	116.98	14.73	30.46	33.81	53.60	29.90	169.15	82.73	0.62	250.02	869.1	700.26
MEAN	3.77	.49	.98	1.09	1.91	.96	5.64	2.67	.021	8.07	28.0	23.3
MAX	16	.81	3.9	5.7	3.3	2.1	49	11	.07	47	91	238
MIN	.67	.26	.24	.14	.81	.11	.23	.07	.00	.02	3.4	.10
CFSM	.09	.01	.02	.03	.05	.02	.13	.06	.00	.19	.67	.56
IN.	.10	.01	.03	.03	.05	.03	.15	.07	.00	.22	.77	.62

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1997, BY WATER YEAR (WY)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	24.2	8.10	9.24	16.2	17.0	25.1	17.0	5.16	29.2	43.2	65.6	81.1								
MAX	88.8	44.6	65.0	72.9	76.5	123	90.8	24.8	210	114	185	297								
(WY)	1983	1996	1978	1979	1983	1983	1993	1987	1982	1986	1992	1994								
MIN	.55	.063	.14	.14	.28	.54	.24	.061	.021	2.32	2.48	2.74								
(WY)	1985	1985	1985	1985	1985	1985	1985	1985	1997	1993	1993	1984								

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1978 - 1997
ANNUAL TOTAL	4124.00	2351.36	
ANNUAL MEAN	11.3	6.44	28.5
HIGHEST ANNUAL MEAN			52.5
LOWEST ANNUAL MEAN			6.44
HIGHEST DAILY MEAN	137 Jan 3	238 Sep 28	2240 Sep 7 1988
LOWEST DAILY MEAN	.24 Dec 30	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.27 Dec 25	.00 Jun 19	.00 Apr 30 1981
INSTANTANEOUS PEAK FLOW		420 Sep 27	3210 Sep 6 1988
INSTANTANEOUS PEAK STAGE		16.35 Sep 27	24.34 Sep 6 1988
ANNUAL RUNOFF (CFSM)	.27	.15	.68
ANNUAL RUNOFF (INCHES)	3.65	2.08	9.21
10 PERCENT EXCEEDS	28	14	70
50 PERCENT EXCEEDS	4.6	1.1	6.2
90 PERCENT EXCEEDS	.57	.07	.37

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297155 HORSE CREEK NEAR MYAKKA HEAD, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 23...	1445	8.77	0.34	210	6.7	12.5	9.5
MAR 04...	1310	8.79	0.40	229	6.1	22.0	5.9
APR 01...	1200	8.87	1.1	239	6.6	18.0	8.5
AUG 07...	1000	9.86	26	150	5.8	25.0	5.9

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 23...	<0.010	<0.020	0.010	0.37	0.510	0.470
MAR 04...	<0.010	0.030	0.020	0.62	0.670	0.690
APR 01...	<0.010	0.030	0.020	0.55	0.340	0.300
AUG 07...	0.022	0.070	0.050	2.4	0.930	0.830

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

85

02297310 HORSE CREEK NEAR ARCADIA, FL

LOCATION.--Lat 27°11'57", long 81°59'19", in NW¹/₄ 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 mi².

WATER-DISCHARGE RECORDS

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	9.2	2.6	2.7	6.4	8.5	1.3	202	8.6	3.6	228	49
2	8.2	8.4	4.5	2.7	6.2	7.0	1.2	148	8.8	4.2	203	48
3	7.8	7.8	4.5	2.6	6.0	5.4	1.1	122	9.7	6.5	206	40
4	7.4	e7.4	4.7	2.5	6.2	4.4	.80	111	7.6	7.7	199	35
5	7.1	e7.0	4.5	2.6	7.7	3.6	.60	101	6.1	20	193	31
6	8.8	e6.6	4.1	2.5	8.1	3.0	.60	89	5.1	199	181	28
7	28	e6.2	4.0	2.3	7.9	2.4	.60	74	4.5	512	183	25
8	156	e5.8	5.4	2.2	7.7	2.1	.60	60	4.1	475	197	22
9	208	e5.5	5.2	2.7	7.4	1.9	.60	47	6.5	305	273	20
10	162	e5.0	4.6	6.9	7.3	1.8	.55	37	20	224	428	19
11	132	e4.7	4.2	7.4	7.1	1.8	1.4	28	14	206	466	18
12	107	e4.3	4.0	7.1	6.8	1.6	3.4	29	14	170	418	22
13	90	e4.1	3.9	6.0	6.9	1.7	4.3	42	15	141	351	23
14	77	3.9	4.0	6.2	7.0	4.1	4.5	38	14	126	305	22
15	65	3.9	3.8	6.6	7.8	9.5	6.7	29	10	121	282	19
16	54	3.7	3.7	6.4	7.8	11	8.1	25	8.0	155	270	18
17	47	3.7	3.7	5.9	7.9	11	8.0	22	6.2	197	250	16
18	40	3.6	3.2	5.6	7.5	9.6	6.6	20	5.0	246	233	15
19	35	3.5	3.0	5.4	6.9	7.2	4.9	18	4.2	255	225	23
20	30	3.4	2.9	5.8	6.3	5.5	4.0	22	3.8	261	226	30
21	25	3.4	2.9	6.3	5.8	5.1	3.2	23	3.5	254	210	28
22	22	3.3	3.2	5.9	5.6	4.5	2.5	19	3.5	301	193	25
23	20	3.2	3.1	5.6	5.5	4.0	4.9	22	4.2	365	175	21
24	18	3.0	2.9	5.6	5.2	3.5	14	21	4.7	408	170	20
25	17	3.0	2.8	5.5	5.1	3.0	17	17	4.8	525	137	36
26	15	3.7	2.8	5.3	6.4	2.5	78	14	5.4	507	119	127
27	14	3.9	2.8	5.2	8.1	2.2	169	12	6.3	428	103	495
28	13	3.3	2.8	5.2	8.1	1.8	160	11	6.2	339	87	2130
29	12	3.2	2.8	5.9	---	1.6	283	9.9	5.0	292	74	2270
30	11	2.9	2.8	7.5	---	1.5	270	8.6	4.1	248	64	1940
31	9.9	---	2.8	6.7	---	1.3	---	9.0	---	237	56	---
TOTAL	1456.6	140.6	112.2	156.8	192.7	134.1	1061.45	1430.5	222.9	7539.0	6705	7615
MEAN	47.0	4.69	3.62	5.06	6.88	4.33	35.4	46.1	7.43	243	216	254
MAX	208	9.2	5.4	7.5	8.1	11	283	202	20	525	466	2270
MIN	7.1	2.9	2.6	2.2	5.1	1.3	.55	8.6	3.5	3.6	56	15
CFSM	.22	.02	.02	.02	.03	.02	.16	.21	.03	1.12	.99	1.16
IN.	.25	.02	.02	.03	.03	.02	.18	.24	.04	1.29	1.14	1.30

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

	MEAN	258	71.6	46.8	89.2	97.8	141	78.8	29.4	189	316	408	486
MAX	1335	431	348	682	543	789	557	338	1854	1742	1571	1696	
(WY)	1953	1954	1954	1958	1983	1958	1993	1957	1982	1968	1960	1960	
MIN	5.11	2.58	2.25	3.17	3.31	1.06	.30	.26	.18	2.29	20.7	21.9	
(WY)	1985	1962	1957	1974	1975	1975	1975	1967	1956	1956	1980	1984	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1951 - 1997
ANNUAL TOTAL	20921.4	26766.85	
ANNUAL MEAN	57.2	73.3	185
HIGHEST ANNUAL MEAN			470
LOWEST ANNUAL MEAN			38.4
HIGHEST DAILY MEAN	271	Jan 4	10700
LOWEST DAILY MEAN	2.6	Dec 1	.00
ANNUAL SEVEN-DAY MINIMUM	2.8	Dec 25	.01
INSTANTANEOUS PEAK FLOW			11700
INSTANTANEOUS PEAK STAGE			17.94
ANNUAL RUNOFF (CFSM)	.26		.85
ANNUAL RUNOFF (INCHES)	3.57	4.57	11.51
10 PERCENT EXCEEDS	142	224	494
50 PERCENT EXCEEDS	39	7.7	46
90 PERCENT EXCEEDS	4.0	2.8	3.4

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297310 HORSE CREEK NEAR ARCADIA, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
JAN												
22...	1035	1.62	5.9	659	6.6	10.5	--	10.7	--	--	--	--
MAR												
06...	1115	1.48	3.0	700	6.1	20.0	80	8.6	80	30	14	8.2
APR												
02...	0950	1.32	1.3	670	6.4	18.0	60	9.2	77	25	13	6.6
AUG												
06...	0950	5.14	185	224	6.2	26.0	--	5.7	--	--	--	--
SEP												
11...	1010	2.06	18	384	6.9	24.5	200	6.5	40	14	10	3.9

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN												
22...	--	--	--	--	--	<0.010	1.40	0.010	0.46	0.260	0.250	--
MAR												
06...	240	29	0.40	1.9	518	<0.010	0.110	0.020	0.78	0.410	0.430	1600
APR												
02...	210	32	0.50	1.1	486	<0.010	<0.020	0.040	0.57	0.520	0.490	1200
AUG												
06...	--	--	--	--	--	0.010	0.240	0.050	1.4	0.620	0.600	--
SEP												
11...	95	21	0.40	9.3	310	0.013	0.410	0.070	0.80	0.520	0.520	610

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL

LOCATION.--Lat 26°59'07", long 81°59'43", in NE 1/4 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 mi².

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--August 1996 to current year (gage heights only). 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.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 4.60 ft, Oct. 8, 1996; minimum, 1.91 ft below NGVD, Feb. 17, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.60 ft, Oct. 8; minimum, 1.91 ft below NGVD, Feb. 17.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	1.73	-.34	1.90	.13	1.88	.62	---	---	1.43	-.70	1.65	-.37
2	1.78	-.12	1.89	.28	1.47	-.37	---	---	1.34	-.65	1.61	-.47
3	1.75	-.26	1.49	-.82	.76	-.30	---	---	1.31	-.70	1.59	-.47
4	1.26	-.39	1.06	-.38	.90	-.53	---	---	1.84	-.91	1.39	-.61
5	1.42	-.28	1.48	.01	1.57	-.30	---	---	1.89	-.70	1.74	-.71
6	1.69	.01	1.64	-.02	1.72	-.35	---	---	1.78	-.66	1.81	-.50
7	4.31	1.60	1.93	-.01	---	---	---	---	1.87	-.51	.94	-1.44
8	4.60	1.02	2.16	.34	---	---	---	---	1.99	-.21	1.16	-.79
9	2.06	.48	1.45	-1.13	---	---	---	---	1.29	-.76	1.43	-.61
10	1.86	-.10	1.45	-.80	---	---	---	---	1.27	-.53	1.65	-.29
11	1.29	-.41	1.31	-.90	---	---	---	---	.94	-.86	1.66	-.29
12	1.12	-.76	1.10	-1.48	---	---	---	---	1.46	-.55	1.59	-.31
13	1.12	-.90	.67	-1.53	---	---	---	---	1.98	-.28	2.11	-.38
14	1.38	-.75	.97	-1.41	---	---	---	---	1.84	-.07	1.98	.37
15	1.78	-.57	1.41	-1.50	---	---	---	---	1.16	-.13	1.56	-.09
16	1.96	-.30	1.14	-1.05	---	---	---	---	.18	-1.51	.89	-.81
17	2.16	.01	1.79	-.20	---	---	---	---	.05	-1.91	1.23	-1.06
18	2.27	-.10	1.84	.10	---	---	---	---	.87	-1.63	1.52	-.62
19	1.46	-.36	1.83	.42	---	---	---	---	1.12	-.88	1.52	-.24
20	1.86	.01	2.06	.32	---	---	---	---	1.40	-.70	1.65	-.32
21	1.72	.05	2.09	.20	---	---	---	---	1.57	-.32	1.83	.05
22	1.90	.40	2.12	.05	---	---	---	---	1.75	-.17	1.67	.08
23	1.99	.32	1.75	-.71	---	---	1.63	-.75	1.19	-.84	1.52	-.04
24	1.85	.05	2.09	-.35	---	---	1.64	-.61	.37	-1.28	1.42	-.37
25	1.96	-.06	2.22	-.11	---	---	1.75	-.26	1.21	-.60	1.55	-.18
26	2.10	-.11	2.22	-.24	---	---	1.04	-1.30	1.65	-.37	1.79	-.23
27	1.93	-.59	1.20	-1.18	---	---	1.00	-.69	1.65	.09	1.58	-.31
28	1.74	-.65	.49	-1.49	---	---	1.28	-.29	1.51	-.13	1.75	-.50
29	1.84	-.46	.90	-.87	---	---	1.34	-.44	---	---	1.59	-.30
30	2.02	-.30	1.65	-.08	---	---	.86	-.19	---	---	1.67	-.54
31	1.89	-.40	---	---	---	---	.87	-.51	---	---	.98	-.32
MONTH	4.60	-.90	2.22	-1.53	---	---	---	---	1.99	-1.91	2.11	-1.44

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	.92	-1.24	1.66	-.21	2.40	.33	1.51	-.79	1.86	-.44	2.26	-.16
2	1.29	-1.13	1.70	-.08	2.10	-.12	1.78	-.53	2.31	-.06	2.25	.08
3	1.57	-.82	2.25	.24	2.02	-.40	1.77	-.79	2.13	-.20	2.16	.18
4	1.62	-.33	1.76	-.39	2.10	-.33	1.88	-.75	2.19	-.13	1.97	.08
5	1.76	-.13	.77	-.92	2.30	-.22	1.79	-.69	2.19	.03	1.53	-.56
6	1.84	.00	1.79	-.46	2.27	-.30	1.73	-.74	1.89	-.01	1.12	-.57
7	1.93	-.26	1.87	-.59	2.02	-.42	1.50	-.77	1.57	-.05	1.56	-.34
8	1.45	-.63	2.14	-.59	1.53	-.72	1.37	-.60	1.46	-.13	1.83	-.06
9	1.68	-.64	2.08	-.41	1.85	-.53	1.32	-.69	1.55	-.13	1.85	-.07
10	1.21	-.74	1.93	-.51	1.56	-.26	1.34	-.41	1.79	.07	2.11	-.03
11	2.03	-.81	1.85	-.71	1.61	-.39	1.32	-.06	1.67	.00	2.30	.06
12	2.17	-.26	2.42	-.36	1.75	-.11	1.38	-.08	1.71	-.24	2.23	-.18
13	1.71	-.27	1.55	.36	2.05	.53	1.41	-.12	1.87	-.14	2.12	-.23
14	.51	-.54	1.20	-.29	2.11	.49	1.56	-.35	2.01	-.28	2.11	-.28
15	.29	-.97	1.23	-.33	2.08	.39	1.62	-.59	2.16	-.44	2.27	.07
16	.78	-.82	1.16	-.37	1.89	.02	1.66	-.49	2.32	-.29	2.25	.11
17	1.46	-.38	1.32	-.25	1.90	-.13	1.92	-.53	2.30	-.25	2.06	-.06
18	1.16	-.55	1.46	-.43	2.07	-.36	2.28	-.31	2.31	-.20	1.94	-.18
19	1.45	-.16	1.69	-.34	2.02	-.51	2.35	-.33	2.53	-.16	1.73	-.42
20	1.72	.00	1.75	-.49	1.77	-1.09	2.31	-.30	---	---	1.97	-.35
21	1.87	-.01	1.70	-.66	1.59	-1.08	2.25	-.30	---	---	1.91	-.47
22	1.98	-.09	1.64	-.81	1.81	-.94	2.17	-.33	---	---	1.75	-.46
23	3.02	.15	1.84	-.82	1.67	-.94	2.12	-.25	---	---	1.85	-.09
24	1.70	-.51	1.86	-.67	1.62	-1.02	1.86	-.04	---	---	1.77	.11
25	2.01	-.55	2.22	-.51	1.28	-1.07	1.55	.00	---	---	1.95	.35
26	1.57	-.50	2.09	-.31	.96	-.92	1.56	.07	---	---	2.40	.98
27	2.67	-.31	1.71	-.45	1.01	-.74	1.91	.09	---	---	2.87	1.46
28	2.93	.52	1.06	-.63	1.16	-.45	1.81	-.15	1.96	-.27	2.40	.52
29	1.73	.46	.75	-.79	1.42	-.44	1.82	-.26	2.05	-.27	1.81	.21
30	1.66	-.38	1.24	-.64	1.43	-.60	1.91	-.30	1.87	-.33	1.75	.19
31	---	---	1.64	-.24	---	---	2.20	-.29	1.90	-.18	---	---
MONTH	3.02	-1.24	2.42	-.92	2.40	-1.09	2.35	-.79	---	---	2.87	-.57

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1996 to current year. 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.--Records good. Interruptions in record were due to malfunctions of the instruments.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 36,300 microsiemens, Apr. 23, 1997; bottom probe maximum, 39,300 microsiemens, Apr. 23, 1997; top probe minimum, 179 microsiemens, Oct. 12, 1996; bottom probe minimum, 196 microsiemens, Sept. 30, 1997.

TEMPERATURE.--Top probe maximum, 34.7°C, Sept. 7, 1996, July 11, 1997; bottom probe maximum, 34.1°C, Sept. 3, 1996; 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, 36,300 microsiemens, Apr. 23; bottom probe maximum, 39,300 microsiemens, Apr. 23; top probe minimum, 179 microsiemens, Oct. 12; bottom probe minimum, 196 microsiemens, Sept. 30.

TEMPERATURE.--Top probe maximum, 34.7°C, July 11; bottom probe maximum, 33.6°C, June 29; top probe minimum, 9.1°C, Dec. 20; bottom probe minimum, 9.5°C, Dec. 20.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	5420	608	11400	2950	27000	19800	24300	15300	25800	15000	26900	12300
2	7110	606	11700	4360	23200	12700	22400	16200	27000	15700	27100	12200
3	5280	522	9760	824	18500	14500	22700	16500	25800	15500	25800	11700
4	6700	1620	8160	1280	19600	13400	24300	16400	29000	14700	23700	11800
5	7940	2730	13200	5220	25900	15800	24800	16700	29600	15000	25900	12200
6	9960	4210	16500	6520	26500	16900	25000	14600	27900	15400	27200	15400
7	25100	6810	18300	7330	28500	18200	24500	15000	26300	16300	20000	11000
8	26400	3910	21600	9970	29200	14500	24800	14100	26700	16400	23400	14600
9	5730	1400	15900	4290	22100	4980	27900	18900	23400	13400	25300	15200
10	3070	440	14400	1200	23000	5020	25900	12900	22100	16100	28400	16500
11	1810	378	13800	3280	23400	11500	22400	13500	19600	13800	29200	17000
12	1540	179	13000	1180	24600	10300	20700	12100	21700	14300	28300	17400
13	1010	286	11100	1300	24700	9920	15500	10200	26200	15000	31900	16900
14	1320	289	13900	1000	20000	8290	17400	10600	24900	15100	29500	20800
15	3090	445	15500	1420	17700	8190	25000	13400	21300	13600	25800	14600
16	4680	487	16000	1260	22200	10300	21800	15200	16700	3090	22400	11600
17	6180	448	19300	11200	24100	14400	18100	12100	15400	2250	23600	11500
18	5130	496	22000	12800	21900	13700	16500	12000	17000	5110	24300	13000
19	1840	532	22900	14900	20900	8580	22300	11400	21900	12800	27900	16100
20	3710	473	24400	13900	13700	6980	23500	13700	25800	14700	29600	15500
21	4560	407	24400	13900	13300	8090	23000	13200	28400	17100	30600	20100
22	7380	566	24400	13700	21800	9710	25400	14000	28400	15900	28300	18200
23	9060	556	21700	9790	23400	11200	27100	14400	25500	13600	26800	17300
24	6170	436	24800	13200	24400	12300	27200	16400	20500	11800	24900	14700
25	8200	503	26000	14900	23500	12300	28100	16900	25100	14200	25300	15000
26	10000	568	26500	13700	20500	10700	21700	12700	27100	13900	26800	15000
27	6320	548	18600	5220	22900	13000	24900	15000	26300	16000	25800	13900
28	6120	748	16300	2920	20800	12000	27000	17100	24900	14400	27100	13000
29	9360	733	19500	12700	21300	6630	27400	16100	---	---	26200	12700
30	11700	852	24600	14700	22000	6630	23200	17800	---	---	26600	10900
31	10300	211	---	---	24000	7780	23700	16600	---	---	21800	12700
MONTH	26400	179	26500	824	29200	4980	28100	10200	29600	2250	31900	10900

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	19400	9930	5840	967	27100	11700	12300	2870	462	327	8480	508
2	22000	12700	4750	817	22600	9740	14900	1950	3200	319	9620	395
3	25600	13600	18300	820	20100	8470	13600	2510	450	329	7850	547
4	26500	14900	7420	835	19500	8870	15100	2420	432	325	4360	767
5	29700	19900	4270	314	23700	9050	9310	1810	412	320	1890	419
6	31000	17400	15600	1270	23000	9540	2090	903	439	323	1510	446
7	30200	15900	16700	1690	19800	6040	1380	576	445	308	3470	499
8	27400	18100	21700	2020	14200	2280	972	399	408	288	6470	679
9	28200	16100	23700	3500	18000	4230	1480	372	405	282	6050	641
10	26100	16700	21000	4070	16200	8550	2890	338	407	273	9400	971
11	30100	12600	19600	3600	18300	9240	4080	341	355	265	12400	1390
12	31200	18900	23100	4800	24000	11700	3180	660	420	250	13100	880
13	27200	16000	16600	7210	26700	14200	3600	594	386	244	9870	919
14	---	---	9260	3740	23500	11400	4220	744	369	252	11100	955
15	---	---	8430	3800	21700	7960	9370	890	486	262	14600	1630
16	18300	10400	9540	3850	18400	8010	7220	621	488	233	13600	1930
17	25400	14000	11000	4020	17900	7000	3400	552	898	233	11900	1550
18	24000	15500	14200	4590	18300	5880	6220	601	763	226	11700	1620
19	24000	14500	20000	5590	17100	5520	6200	469	842	237	10900	1410
20	25700	11800	19100	4870	12800	3990	3370	456	350	250	14700	2210
21	27300	14700	14700	4090	16500	3460	2450	344	379	256	14500	1960
22	28400	15300	11900	4270	23300	3330	2790	254	337	268	12400	2240
23	36300	15000	11800	2610	19100	4080	687	223	378	274	12500	5970
24	22500	14800	9020	2280	16300	4340	517	336	378	278	12500	5800
25	25400	11700	14100	2010	13900	2410	534	280	401	278	18400	7310
26	19200	12000	12700	2670	12900	2780	464	266	456	276	18700	6190
27	33000	8500	7950	3220	11500	4330	472	272	2660	297	17700	609
28	32200	10700	6990	2400	11600	5210	487	274	6840	365	2370	279
29	14500	4180	8120	2210	13900	4920	425	301	6740	509	1430	214
30	6680	1560	13200	4200	10800	3710	431	322	4060	458	943	201
31	---	---	19100	6900	---	---	503	327	5570	504	---	---
MONTH	---	---	23700	314	27100	2280	15100	223	6840	226	18700	201

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	10000	711	17000	3420	29700	21600	29000	15800	26300	14200	27500	12600
2	12100	742	17700	4740	26700	12400	28800	17000	28100	15200	27700	12500
3	13000	652	11400	1750	24900	14000	29300	17600	26700	15100	26700	11000
4	12000	1970	10600	3320	24800	12600	30000	16300	31600	12900	25000	12200
5	12600	3400	16900	5570	28100	16400	28100	17500	32100	16400	27200	12700
6	15900	5670	19500	6970	27500	16100	30100	16500	29500	15900	28500	16100
7	28900	12400	19700	7670	29300	17800	30600	16100	28900	16800	21100	11500
8	29200	5760	23800	10200	30400	14700	30600	14400	29300	17100	24500	15400
9	8370	1800	17500	4300	23200	12200	33400	23000	25400	14100	26500	16000
10	4530	510	15100	6240	23200	10400	30600	13000	23900	16500	29500	17600
11	2230	438	15500	6050	26100	11200	27100	13800	21200	14200	30200	18000
12	2390	337	15300	4280	26700	10100	24900	12200	24200	14800	29500	18200
13	2320	373	13400	4980	26400	9780	17000	10000	30100	15600	33200	17800
14	2030	373	16100	4700	22200	7680	20900	11400	29300	15800	31200	22100
15	6110	562	19500	4330	18500	7760	29200	14200	25300	14500	27100	16500
16	8910	588	18500	7660	22200	10100	25800	16700	17800	9460	23900	12300
17	12500	582	25300	11000	26200	14000	22800	13000	16700	7770	25500	12600
18	12500	622	25900	12900	25600	13300	20400	12800	25700	10600	30800	14000
19	4310	653	26300	15100	24300	8930	25700	12200	27600	13300	29800	16800
20	9670	627	27900	14400	15200	6770	26300	14600	28800	15200	30200	16500
21	9590	529	28400	15400	15900	7880	25500	14000	29400	17700	31300	20800
22	11400	794	27300	15100	23900	10200	27200	14000	30200	16500	29800	19000
23	12300	647	24400	10600	26200	11300	29400	14000	26200	12600	28000	18100
24	7340	521	27900	14100	28600	12600	29200	15900	21000	12200	26900	15700
25	9070	516	31600	15700	27800	12700	29900	16800	25600	15200	27000	15700
26	10900	632	29700	14700	24800	10500	23400	11900	27600	14300	27800	15400
27	10900	632	22400	10300	27900	13400	25300	14300	26900	16500	27000	14900
28	10900	754	18700	10400	26800	12300	27600	16600	25500	14800	28600	13300
29	13600	1140	22800	13100	27000	13500	28300	15400	---	---	27300	13500
30	16400	1860	27100	14900	27000	12200	24700	17300	---	---	28000	11100
31	16000	1500	---	---	27300	14800	23800	16000	---	---	22500	13800
MONTH	29200	337	31600	1750	30400	6770	33400	10000	32100	7770	33200	11000

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	23100	9700	7550	973	28600	11800	13700	2900	441	316	11100	494
2	27700	12500	7170	836	23900	9730	17200	3360	3600	319	11200	470
3	28700	15100	19000	841	22200	8350	14800	2530	434	315	8650	584
4	30100	18800	8780	824	22300	8650	16100	2440	416	310	4750	725
5	31300	20400	5490	954	25100	8870	11000	2460	395	304	1840	401
6	32800	21300	21700	1290	24300	9200	5420	1740	420	309	1590	428
7	33300	19300	19500	1710	21300	8110	2560	1060	425	296	4550	478
8	30500	19200	28500	1890	14900	6720	2080	681	391	277	9340	696
9	30700	17600	25400	3580	19100	7250	4910	597	389	270	10100	598
10	27400	17300	23800	4240	19000	7570	6360	537	384	263	15300	1130
11	33000	16900	22500	3670	24300	7510	8470	537	341	256	15100	1350
12	33400	19900	26700	4680	24000	9660	5790	685	402	242	14500	883
13	29100	16800	18100	7290	26100	14700	6450	535	372	236	11700	892
14	21500	14900	11800	3730	23400	9760	7270	747	355	244	12600	926
15	18500	12700	12000	3710	21200	7200	12900	895	465	253	17300	1620
16	21900	13800	12200	3730	18400	7510	13400	603	657	226	14500	1880
17	28300	14700	17500	3920	17900	6850	4880	535	2530	226	13400	1540
18	26200	15100	21100	4500	18900	5870	8120	584	1190	223	13900	1590
19	25600	15400	23700	5740	18500	5490	6630	454	939	230	12500	1380
20	27400	16500	23000	5710	16900	4030	5240	439	359	244	16900	2250
21	28700	16300	18900	4920	20300	3810	3540	442	320	248	17000	1950
22	29600	16300	18400	4920	24900	4710	3470	373	325	260	16300	2240
23	39300	16700	19600	3030	20000	5030	660	358	363	266	19400	6180
24	25400	15900	13900	2800	18300	4190	500	326	358	270	16200	6020
25	28300	12600	21600	2560	14800	4240	520	270	388	270	19400	7750
26	20100	12100	15500	2920	14000	4220	456	257	432	268	19000	6170
27	33400	8920	11700	2460	14300	4200	451	261	5130	285	18100	594
28	32300	10900	9520	2190	14100	5080	465	263	10300	401	2480	297
29	15200	4490	9350	2210	17500	4740	405	290	9030	507	1410	211
30	8070	1680	17300	4170	14400	3760	413	309	6280	439	921	196
31	---	---	22100	7240	---	---	545	315	8760	511	---	---
MONTH	39300	1680	28500	824	28600	3760	17200	257	10300	223	19400	196

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

**WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)**

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	29.8	27.5	29.5	27.0	22.4	20.1	24.4	21.2	21.4	18.6	26.6	24.4
2	29.5	27.9	30.0	27.0	22.8	21.3	24.4	21.6	21.4	18.6	26.1	24.4
3	28.4	27.5	27.9	21.3	22.8	20.3	24.0	21.6	21.4	18.6	26.1	24.8
4	28.0	27.0	25.3	22.4	21.7	19.6	23.6	21.6	21.4	19.3	28.0	25.2
5	27.5	26.5	26.1	22.8	21.7	18.6	23.6	21.2	22.5	21.0	27.3	25.2
6	27.0	26.1	27.0	23.2	22.5	20.3	23.9	22.0	24.0	21.7	28.0	25.6
7	26.2	25.7	27.0	24.0	22.4	21.3	24.0	22.3	24.5	22.8	26.2	21.7
8	27.5	25.8	26.6	25.0	22.1	20.3	24.0	22.7	24.8	23.2	26.1	22.4
9	28.0	25.6	25.6	17.4	20.4	15.7	24.4	22.3	25.6	22.7	25.3	23.2
10	27.5	25.2	22.4	15.4	19.6	13.4	23.1	20.2	24.0	21.3	26.4	23.9
11	26.1	23.1	21.3	16.8	20.0	17.4	21.6	18.5	22.3	19.3	27.5	24.4
12	24.8	21.7	19.9	13.9	20.0	18.6	20.9	18.3	21.4	18.6	27.5	24.4
13	24.0	22.4	20.0	16.0	21.4	19.0	18.8	16.7	22.5	19.9	26.6	24.8
14	25.2	22.4	21.0	17.1	21.1	19.3	18.5	16.7	23.6	21.3	25.2	24.0
15	26.1	23.8	20.3	19.0	21.4	18.6	18.5	17.3	24.0	22.2	26.3	23.5
16	27.0	24.4	20.0	18.7	21.4	18.6	20.2	17.9	22.4	16.6	25.7	23.6
17	27.5	25.2	21.4	19.0	21.5	18.6	18.2	15.0	20.7	14.9	25.7	22.4
18	27.0	25.6	22.5	19.9	21.0	19.2	15.3	11.7	20.6	15.2	25.7	23.3
19	26.3	24.3	22.6	19.9	19.8	15.8	13.7	9.9	22.4	19.9	26.1	23.6
20	25.7	23.2	22.5	20.6	15.8	9.1	15.2	12.4	23.2	21.0	26.1	23.6
21	25.7	22.4	22.8	21.3	13.4	9.5	15.8	12.9	24.4	21.7	26.1	24.4
22	26.1	22.8	23.7	21.3	14.8	11.5	17.5	14.7	24.8	22.4	26.1	23.2
23	25.7	23.6	22.4	19.8	15.9	13.7	19.0	16.3	25.7	22.8	25.7	23.6
24	26.9	24.0	22.1	20.3	17.6	15.3	20.7	18.3	24.8	21.4	26.6	23.4
25	27.0	24.0	22.8	21.0	17.3	16.3	21.0	19.0	25.7	23.2	26.6	24.0
26	27.0	24.8	22.4	21.0	19.2	16.1	21.3	18.6	25.7	24.0	27.0	24.4
27	26.6	24.0	21.3	18.6	21.2	18.2	21.4	19.0	25.7	23.6	28.0	25.6
28	27.5	24.0	21.4	17.7	21.4	18.9	23.4	19.6	26.1	24.4	28.0	25.6
29	28.0	25.7	20.7	18.6	22.4	19.9	22.6	20.3	---	---	29.2	25.2
30	29.5	26.5	21.7	19.0	23.6	19.0	22.4	21.0	---	---	29.5	25.6
31	31.1	27.0	---	---	23.6	19.5	21.3	19.3	---	---	28.5	26.0
MONTH	31.1	21.7	30.0	13.9	23.6	9.1	24.4	9.9	26.1	14.9	29.5	21.7

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	26.1	23.6	28.9	24.7	29.5	28.0	32.1	30.0	31.5	29.4	31.1	26.4
2	25.2	22.8	29.5	25.2	30.0	27.5	31.6	28.0	31.1	28.4	31.1	27.5
3	25.7	22.0	29.5	26.5	30.0	27.9	32.2	30.0	30.0	28.4	32.2	29.0
4	25.7	22.4	29.5	27.0	29.5	27.5	31.6	29.0	30.2	27.9	31.6	30.0
5	25.2	22.7	27.5	20.7	30.0	27.4	30.6	28.4	29.5	28.4	30.1	27.5
6	26.1	23.6	27.5	24.0	29.5	27.7	31.6	28.4	31.2	27.9	29.0	26.5
7	27.0	24.4	28.5	24.4	31.1	26.1	34.1	29.4	29.4	28.0	29.5	27.5
8	27.5	25.2	28.5	24.8	28.1	24.8	33.4	30.0	30.8	27.5	30.5	27.4
9	26.1	24.4	28.4	26.0	27.5	25.2	34.0	30.0	30.0	27.9	31.1	27.9
10	26.1	24.0	29.5	26.5	30.0	26.3	32.2	27.5	30.1	27.9	31.1	28.4
11	24.4	23.2	28.0	26.1	31.1	27.5	34.7	26.1	31.1	27.5	31.6	28.9
12	25.2	22.4	26.6	25.6	31.1	27.5	31.3	28.9	32.8	28.0	30.0	28.9
13	26.1	24.4	28.5	25.1	31.1	28.4	32.4	29.0	32.2	29.4	31.1	27.8
14	---	---	30.1	25.2	31.6	28.4	31.1	28.9	32.8	29.4	30.5	27.9
15	---	---	28.9	24.8	31.6	28.9	32.2	27.9	33.4	30.0	30.8	27.9
16	---	---	27.2	25.1	31.6	29.4	32.2	28.1	31.6	28.9	31.1	28.4
17	24.0	21.3	27.5	24.8	32.8	30.0	32.2	28.9	32.2	28.7	30.6	28.8
18	24.0	19.9	28.2	25.2	32.8	30.5	31.5	28.9	32.2	28.4	31.1	28.4
19	23.7	20.6	28.5	26.1	33.4	31.0	30.4	27.9	31.6	29.4	31.1	28.4
20	24.3	20.6	29.5	26.1	32.8	29.9	29.5	27.5	32.2	28.9	32.2	29.4
21	24.4	21.4	31.6	27.5	32.2	27.7	31.6	27.5	32.2	29.4	31.7	29.9
22	26.5	23.5	31.6	27.5	32.2	26.5	31.1	27.0	31.5	29.4	31.6	29.4
23	26.1	24.4	30.0	27.9	31.6	27.6	31.7	27.5	32.2	29.4	31.6	28.9
24	27.0	23.2	29.5	27.8	31.7	26.5	32.8	29.3	33.4	30.0	31.1	28.4
25	25.7	23.6	29.5	27.5	31.1	27.0	32.8	28.9	32.8	29.4	31.1	28.8
26	26.1	24.0	31.1	28.4	33.4	26.5	32.2	29.4	32.2	29.4	30.0	28.4
27	27.0	24.8	32.8	29.4	32.8	28.4	31.6	29.4	31.6	28.5	28.4	26.1
28	26.1	24.8	31.6	28.9	33.4	29.4	32.3	29.4	32.2	26.5	27.5	25.6
29	26.6	24.0	31.1	27.5	34.1	30.0	32.2	29.4	32.2	28.9	28.5	26.0
30	27.9	24.0	31.1	26.6	32.8	30.0	32.8	29.4	32.3	29.4	30.0	26.1
31	---	---	30.5	27.5	---	---	32.2	30.0	31.6	28.9	---	---
MONTH	---	---	32.8	20.7	34.1	24.8	34.7	26.1	33.4	26.5	32.2	25.6

PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	30.0	27.6	29.5	27.0	22.0	20.3	24.8	21.6	21.0	18.2	26.2	24.0
2	29.5	28.4	29.7	27.5	23.2	21.3	24.7	22.1	21.0	18.2	25.8	24.0
3	29.4	27.8	28.4	24.0	22.8	20.3	24.3	21.9	21.0	18.2	25.7	24.4
4	28.5	27.0	24.8	22.8	21.7	19.6	23.5	21.6	21.0	19.2	27.6	24.8
5	27.5	27.0	25.7	22.9	21.4	19.0	23.9	21.6	22.1	20.6	26.7	24.8
6	27.0	26.1	26.1	23.8	22.4	20.3	23.9	22.3	23.6	21.3	27.4	25.2
7	27.0	26.1	26.5	24.4	22.4	21.0	24.3	22.6	24.4	22.6	26.1	21.3
8	27.0	26.1	26.6	25.0	22.2	20.5	24.7	22.8	24.8	23.2	25.7	22.0
9	28.0	25.6	25.6	21.2	21.3	18.0	24.3	22.7	25.3	22.4	24.8	22.8
10	27.5	25.2	22.4	18.6	19.3	16.0	23.5	20.5	23.6	20.9	25.8	23.6
11	26.1	23.2	21.3	18.6	20.2	18.0	22.3	19.5	22.0	18.9	26.7	24.0
12	24.8	22.4	20.6	17.1	20.0	18.6	21.2	18.9	21.0	18.2	27.1	24.0
13	24.0	22.8	21.0	16.8	21.4	19.3	19.2	17.0	21.7	19.6	26.2	24.4
14	25.7	22.4	21.3	18.0	21.4	19.6	18.9	17.0	22.8	20.9	25.0	23.6
15	26.1	23.9	22.4	19.2	21.4	18.6	18.9	17.6	23.6	22.0	25.8	23.2
16	27.0	24.4	21.4	19.0	21.4	18.6	20.2	18.2	22.0	19.3	25.3	23.2
17	27.0	25.2	21.7	19.0	21.4	19.0	18.9	15.0	20.9	15.6	25.3	22.0
18	27.0	25.6	22.5	19.9	21.3	19.3	16.7	12.1	20.2	15.9	25.3	22.9
19	26.6	24.4	22.5	20.0	20.2	16.2	14.1	10.3	22.0	19.5	25.3	23.2
20	25.7	23.6	22.5	20.6	16.2	9.5	15.4	12.8	23.2	20.9	25.7	23.9
21	24.8	22.4	22.8	21.3	13.8	9.9	16.2	13.3	23.6	21.6	25.7	24.4
22	25.4	23.2	23.6	21.7	15.1	11.9	17.1	15.1	24.4	22.4	25.3	23.2
23	25.7	23.6	22.4	19.9	16.2	14.0	18.9	16.2	25.3	22.4	24.8	23.6
24	26.1	24.0	22.1	20.3	18.0	15.6	20.6	17.9	24.4	21.0	26.2	23.2
25	26.6	24.0	22.8	21.0	17.6	16.7	20.9	18.9	25.1	22.8	25.8	23.6
26	27.0	24.8	22.6	21.0	19.6	16.5	20.9	18.3	25.3	23.6	26.6	24.4
27	27.0	24.9	22.0	18.6	21.3	18.6	21.0	18.6	25.3	23.2	27.6	25.2
28	27.5	25.0	21.4	17.7	22.0	19.8	22.8	19.5	25.7	24.0	28.1	25.2
29	28.9	26.1	20.7	18.6	22.7	20.9	22.4	19.9	---	---	28.1	25.7
30	29.5	26.9	21.7	19.3	23.5	21.2	22.0	20.6	---	---	28.5	25.7
31	29.5	27.0	---	---	23.9	21.6	20.9	19.2	---	---	28.1	24.9
MONTH	30.0	22.4	29.7	16.8	23.9	9.5	24.8	10.3	25.7	15.6	28.5	21.3

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	25.7	22.4	28.1	24.4	29.1	27.7	31.2	29.6	31.1	29.0	30.3	28.0
2	24.8	20.6	28.6	25.2	29.6	27.5	31.2	29.6	30.7	28.0	30.7	27.6
3	24.8	21.3	28.6	26.5	29.6	28.0	31.8	29.7	29.6	28.0	31.8	29.0
4	24.8	22.0	29.1	26.6	29.1	27.5	31.2	29.0	29.8	27.7	31.2	29.6
5	24.8	22.0	27.1	22.8	29.1	27.0	30.1	28.4	29.1	28.0	30.0	27.1
6	25.7	23.2	27.1	23.6	29.1	27.5	31.2	28.0	29.6	27.5	28.6	26.1
7	26.6	24.4	27.6	24.4	30.1	27.1	32.4	29.0	29.0	27.6	29.1	27.1
8	27.1	24.7	27.5	24.8	28.0	26.6	33.0	29.6	29.6	27.1	30.2	27.1
9	25.8	24.4	27.6	25.7	27.1	26.2	32.4	29.6	29.6	27.5	30.7	27.6
10	25.7	24.0	29.1	26.1	29.6	26.2	31.8	29.0	29.6	27.6	30.7	28.5
11	24.4	23.2	27.1	25.7	30.7	27.1	32.4	29.0	30.9	27.1	30.7	28.5
12	24.8	22.7	26.6	25.2	30.1	27.1	30.7	29.0	32.4	27.9	29.6	28.5
13	25.7	24.0	28.0	24.8	30.7	28.0	31.8	29.0	31.8	29.0	30.1	27.5
14	25.7	22.0	29.1	25.2	30.7	28.4	30.7	28.5	32.4	29.0	30.1	27.5
15	22.8	20.6	28.1	25.7	31.2	29.0	31.8	28.0	32.3	29.6	30.1	27.5
16	23.0	20.2	27.0	25.7	31.2	29.0	31.2	27.9	31.2	28.5	31.2	28.0
17	23.2	20.9	26.6	24.8	32.4	29.6	31.8	28.5	31.3	28.5	30.7	28.5
18	23.6	19.5	27.6	24.8	32.7	30.1	30.7	28.5	31.7	28.0	30.7	28.3
19	23.2	20.2	27.1	25.7	32.3	30.7	30.1	27.5	31.2	29.0	30.7	28.0
20	23.9	21.3	29.1	26.1	31.8	29.5	29.4	27.1	31.8	28.5	31.8	29.0
21	24.0	22.0	30.7	27.5	31.8	29.1	30.7	27.5	31.3	29.0	31.5	29.5
22	26.0	23.2	31.2	27.5	31.8	29.6	31.2	28.0	30.7	29.0	31.2	29.0
23	25.7	24.4	29.6	27.5	31.2	29.0	30.7	28.0	31.8	29.0	31.2	29.0
24	26.6	22.8	29.1	27.5	31.2	28.0	31.8	29.0	32.4	29.6	30.7	28.0
25	25.3	23.6	29.1	27.1	30.7	28.1	31.8	28.8	31.8	29.0	30.7	28.3
26	25.7	24.4	30.7	28.0	31.8	27.7	31.8	29.0	31.8	29.0	29.6	28.0
27	26.6	24.4	32.4	29.0	32.0	28.4	31.2	29.0	31.8	28.5	28.2	25.8
28	25.7	24.4	30.7	28.5	33.0	29.0	32.1	29.0	31.8	28.5	27.1	25.2
29	26.6	23.6	30.7	27.1	33.6	29.6	31.8	29.0	31.2	28.5	28.1	25.7
30	27.6	23.6	29.8	26.4	31.8	29.6	32.4	29.0	31.8	29.0	28.5	25.9
31	---	---	29.6	27.5	---	---	31.8	29.6	31.2	28.5	---	---
MONTH	27.6	19.5	32.4	22.8	33.6	26.2	33.0	27.1	32.4	27.1	31.8	25.2

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

FIELD DETERMINATIONS

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (000064)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (000009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)
OCT							
21...	1353	1.10	--	--	11	--	1950
21...	1354	1.90	--	--	--	--	2720
21...	1355	3.40	--	--	--	--	2890
21...	1356	7.00	--	--	--	--	4460
21...	1357	9.10	--	--	--	--	9490
21...	1358	11.0	--	--	--	--	10900
22...	1019	1.00	--	--	14	50.0	4850
22...	1020	4.00	--	--	--	50.0	5630
22...	1021	8.10	--	--	--	50.0	6420
22...	1022	13.0	--	--	--	50.0	6460
22...	1024	1.00	--	--	12	650	5660
22...	1025	3.90	--	--	--	650	6230
22...	1026	10.0	--	--	--	650	6460
22...	1039	1.00	--	--	5.5	1250	5690
22...	1040	2.60	--	--	--	1250	5900
22...	1041	4.90	--	--	--	1250	7750
NOV							
19...	1418	--	0.30	3.15	--	--	19100
19...	1419	--	1.0	--	--	--	19900
19...	1420	--	1.5	--	--	--	20200
19...	1421	--	2.0	--	--	--	20300
19...	1422	--	2.5	--	--	--	--
19...	1423	--	3.0	--	--	--	--
20...	1255	--	0.30	1.55	--	1250	21900
20...	1256	--	1.0	--	--	1250	24200
20...	1257	--	1.5	--	--	1250	25400
20...	1303	--	0.30	3.55	--	650	25000
20...	1304	--	1.0	--	--	650	25100
20...	1305	--	1.5	--	--	650	25500
20...	1306	--	2.0	--	--	650	25700
20...	1307	--	2.5	--	--	650	25700
20...	1308	--	3.0	--	--	650	25700
20...	1309	--	3.4	--	--	650	--
20...	1310	--	0.30	2.15	--	50.0	24400
20...	1311	--	1.0	--	--	50.0	24500
20...	1312	--	1.5	--	--	50.0	25300
20...	1313	--	2.0	--	--	50.0	25400
DEC							
17...	1301	--	0.30	3.00	--	--	18500
17...	1302	--	0.50	--	--	--	18500
17...	1304	--	1.0	--	--	--	18500
17...	1305	--	1.5	--	--	--	18700
17...	1306	--	2.0	--	--	--	19400
17...	1307	--	2.5	--	--	--	22800
17...	1308	--	2.9	--	--	--	23400
18...	1033	--	0.30	1.65	--	1250	19400
18...	1034	--	0.50	--	--	1250	21100
18...	1035	--	1.0	--	--	1250	23400
18...	1036	--	1.5	--	--	1250	23600
18...	1040	--	0.30	3.15	--	650	21800
18...	1041	--	0.50	--	--	650	21400
18...	1042	--	1.0	--	--	650	22100
18...	1043	--	1.5	--	--	650	22300
18...	1044	--	2.0	--	--	650	22300
18...	1045	--	2.5	--	--	650	23600
18...	1046	--	3.0	--	--	650	23900
18...	1047	--	0.30	4.65	--	50.0	22100
18...	1048	--	0.50	--	--	50.0	22800
18...	1049	--	1.0	--	--	50.0	22700
18...	1050	--	1.5	--	--	50.0	23200
18...	1051	--	2.0	--	--	50.0	23200
18...	1052	--	2.5	--	--	50.0	23300
18...	1053	--	3.0	--	--	50.0	23800
18...	1054	--	3.5	--	--	50.0	24300
18...	1055	--	4.0	--	--	50.0	24300
18...	1056	--	4.5	--	--	50.0	24300

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	LIGHT INCID. 400- 700NM (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	LIGHT DEPTH TO 1% OF SURFACE LIGHT (FEET) (00034)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT							
21...	7.2	25.0	27.0	2440	--	3.40	5.2
21...	7.1	24.5	--	--	--	--	4.5
21...	7.1	24.5	--	--	--	--	4.5
21...	7.1	24.0	--	--	--	--	4.1
21...	6.9	24.0	--	--	--	--	3.5
21...	6.9	24.0	--	--	--	--	3.5
22...	7.2	24.0	--	--	--	--	5.1
22...	7.1	24.0	--	--	--	--	4.5
22...	7.1	24.0	--	--	--	--	4.1
22...	7.1	24.0	--	--	--	--	4.0
22...	7.2	24.0	--	--	--	--	4.7
22...	7.1	24.0	--	--	--	--	4.3
22...	7.1	24.0	--	--	--	--	4.1
22...	7.2	24.0	--	--	--	--	4.5
22...	7.1	24.0	--	--	--	--	4.3
22...	7.0	24.0	--	--	--	--	3.9
NOV							
19...	7.8	22.5	--	2410	2.0	--	--
19...	7.8	21.5	--	--	--	--	--
19...	7.8	21.5	--	--	--	--	--
19...	7.8	21.5	--	--	--	--	--
19...	7.8	21.5	--	--	--	--	--
19...	7.8	21.0	--	--	--	--	--
20...	7.8	22.5	--	--	--	--	7.3
20...	7.8	22.0	--	--	--	--	6.9
20...	7.8	21.5	--	--	--	--	6.9
20...	7.8	22.5	--	--	--	--	7.3
20...	7.8	22.5	--	--	--	--	7.3
20...	7.9	22.0	--	--	--	--	7.2
20...	7.9	21.5	--	--	--	--	7.0
20...	7.9	22.0	--	--	--	--	7.0
20...	7.8	21.5	--	--	--	--	7.0
20...	7.8	21.5	--	--	--	--	7.0
20...	7.8	21.5	--	--	--	--	7.2
20...	7.8	21.5	--	--	--	--	6.9
20...	7.8	21.5	--	--	--	--	6.8
20...	7.8	21.5	--	--	--	--	6.8
DEC							
17...	8.0	20.5	--	2300	1.5	--	8.8
17...	7.9	20.5	--	--	--	--	8.8
17...	7.9	20.5	--	--	--	--	8.6
17...	7.9	20.5	--	--	--	--	8.5
17...	7.9	20.5	--	--	--	--	8.4
17...	7.8	20.5	--	--	--	--	7.9
17...	7.8	20.5	--	--	--	--	7.9
18...	7.7	20.0	--	--	--	--	6.3
18...	7.7	20.0	--	--	--	--	6.7
18...	7.7	20.0	--	--	--	--	6.5
18...	7.7	20.0	--	--	--	--	6.6
18...	7.7	20.0	--	--	--	--	7.6
18...	7.7	20.0	--	--	--	--	7.6
18...	7.7	20.0	--	--	--	--	7.7
18...	7.8	20.0	--	--	--	--	7.5
18...	7.7	20.0	--	--	--	--	6.7
18...	7.7	20.0	--	--	--	--	6.8
18...	7.7	20.0	--	--	--	--	6.8
18...	7.7	20.0	--	--	--	--	6.9
18...	7.7	20.0	--	--	--	--	6.7
18...	7.7	20.0	--	--	--	--	6.4
18...	7.7	20.0	--	--	--	--	6.2
18...	7.7	20.0	--	--	--	--	6.7
18...	7.7	20.0	--	--	--	--	6.4
18...	7.7	20.0	--	--	--	--	7.0
18...	7.7	20.0	--	--	--	--	6.8
18...	7.7	20.0	--	--	--	--	5.7
18...	7.7	20.0	--	--	--	--	5.6

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (82903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN										
21...	1422	0.30	3.45	--	19500	7.9	15.5	2250	3.0	9.8
21...	1423	0.50	--	--	19500	7.9	15.5	--	--	9.8
21...	1424	1.0	--	--	19500	7.9	15.5	--	--	9.9
21...	1425	1.5	--	--	21300	7.9	15.5	--	--	9.8
21...	1426	2.0	--	--	21500	7.9	15.5	--	--	9.7
21...	1427	2.5	--	--	21500	7.9	15.5	--	--	9.7
21...	1428	3.0	--	--	21600	7.9	15.5	--	--	9.7
21...	1429	3.3	--	--	21600	7.9	15.5	--	--	9.8
22...	0923	0.30	0.75	1280	17400	7.6	15.5	--	--	8.7
22...	0924	0.60	--	1280	18400	7.6	16.0	--	--	8.5
22...	1259	0.30	1.15	1250	18300	7.8	16.5	--	--	9.5
22...	1300	0.50	--	1250	18800	7.8	16.5	--	--	9.5
22...	1301	1.0	--	1250	19100	7.8	16.5	--	--	9.5
22...	1306	0.30	2.75	650	17900	7.8	16.5	--	--	9.8
22...	1307	0.50	--	650	18100	7.8	16.5	--	--	9.8
22...	1308	1.0	--	650	18800	7.8	16.5	--	--	9.7
22...	1309	1.5	--	650	19200	7.8	16.5	--	--	9.6
22...	1310	2.0	--	650	19300	7.8	16.5	--	--	9.6
22...	1311	2.5	--	650	19700	7.8	16.5	--	--	9.6
22...	1315	0.30	3.75	50.0	17400	7.8	16.5	--	--	9.6
22...	1316	0.50	--	50.0	17500	7.8	16.0	--	--	9.6
22...	1317	1.0	--	50.0	18700	7.8	16.0	--	--	9.5
22...	1318	1.5	--	50.0	19200	7.8	16.0	--	--	9.5
22...	1319	2.0	--	50.0	19500	7.8	16.0	--	--	9.6
22...	1320	2.5	--	50.0	19300	7.9	16.0	--	--	9.6
22...	1321	3.0	--	50.0	19400	7.9	16.0	--	--	9.7
22...	1322	3.5	--	50.0	19400	7.8	16.0	--	--	9.7
FEB										
18...	1426	0.30	2.85	--	15100	7.6	20.0	800	2.0	8.0
18...	1427	0.50	--	--	15100	7.7	20.0	--	--	8.0
18...	1428	1.0	--	--	15300	7.7	20.0	--	--	8.1
18...	1429	1.5	--	--	15400	7.7	20.0	--	--	8.1
18...	1430	2.0	--	--	15700	7.7	20.0	--	--	8.1
18...	1431	2.5	--	--	16100	7.7	20.0	--	--	8.1
19...	1100	0.30	2.55	1250	13900	7.7	20.5	--	--	8.2
19...	1101	0.50	--	1250	14000	7.7	20.5	--	--	8.2
19...	1102	1.0	--	1250	13900	7.7	20.5	--	--	8.2
19...	1103	1.5	--	1250	14300	7.7	20.5	--	--	8.1
19...	1104	2.0	--	1250	15100	7.6	20.0	--	--	7.8
19...	1105	2.4	--	1250	16500	7.6	20.0	--	--	7.4
19...	1106	0.30	2.45	650	13800	7.7	20.5	--	--	8.4
19...	1107	0.50	--	650	13800	7.7	20.5	--	--	8.4
19...	1108	1.0	--	650	13800	7.7	20.5	--	--	8.5
19...	1109	1.5	--	650	14000	7.7	20.5	--	--	8.4
19...	1110	2.0	--	650	14300	7.7	20.5	--	--	8.4
19...	1111	2.3	--	650	15300	7.7	20.5	--	--	8.3
19...	1112	0.30	1.05	50.0	14500	7.8	20.5	--	--	8.7
19...	1113	0.50	--	50.0	14600	7.8	20.5	--	--	8.7
19...	1114	0.90	--	50.0	14600	7.8	20.5	--	--	8.7

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE LOC. METERS (82903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR										
17...	1353	0.30	3.35	--	19900	7.5	24.0	2890	2.5	6.9
17...	1354	0.50	--	--	19900	7.5	24.0	--	--	6.9
17...	1356	1.0	--	--	20000	7.5	24.0	--	--	7.0
17...	1357	1.5	--	--	20300	7.6	24.0	--	--	7.1
17...	1358	2.0	--	--	20500	7.6	24.0	--	--	6.9
17...	1359	2.5	--	--	21400	7.5	23.5	--	--	6.4
17...	1400	3.0	--	--	21800	7.5	23.5	--	--	6.3
18...	1258	0.30	1.45	1250	18900	7.8	24.5	--	--	7.2
18...	1259	0.50	--	1250	19900	7.8	24.5	--	--	7.3
18...	1300	1.0	--	1250	22000	7.6	24.0	--	--	6.1
18...	1301	1.3	--	1250	22700	7.6	24.0	--	--	5.8
18...	1304	0.30	2.15	650	22100	7.7	24.5	--	--	7.1
18...	1305	0.50	--	650	21900	7.7	24.5	--	--	7.1
18...	1306	1.0	--	650	22300	7.7	24.5	--	--	7.0
18...	1307	1.5	--	650	22400	7.6	24.0	--	--	6.2
18...	1308	2.0	--	650	23000	7.6	24.0	--	--	6.0
18...	1312	0.30	3.65	50.0	21000	7.7	24.5	--	--	6.9
18...	1313	0.50	--	50.0	22300	7.7	24.5	--	--	6.9
18...	1314	1.0	--	50.0	22600	7.7	24.0	--	--	6.7
18...	1315	1.5	--	50.0	21400	7.7	24.0	--	--	6.6
18...	1316	2.0	--	50.0	22100	7.7	24.0	--	--	6.4
18...	1317	2.5	--	50.0	22400	7.6	24.0	--	--	6.3
18...	1318	3.0	--	50.0	22900	7.6	24.0	--	--	6.1
18...	1319	3.5	--	50.0	23200	7.6	24.0	--	--	5.8
APR										
29...	1228	0.30	3.95	--	11400	7.5	25.5	3200	3.3	6.3
29...	1229	0.50	--	--	11400	7.5	25.5	--	--	6.2
29...	1230	1.0	--	--	11500	7.5	25.5	--	--	6.0
29...	1231	1.5	--	--	12200	7.4	25.0	--	--	5.0
29...	1232	2.0	--	--	13500	7.3	25.0	--	--	4.6
29...	1233	2.5	--	--	13900	7.3	25.0	--	--	4.3
29...	1234	3.0	--	--	14500	7.3	25.0	--	--	4.2
29...	1235	3.5	--	--	15000	7.3	25.0	--	--	4.1
29...	1236	3.8	--	--	15500	7.3	25.0	--	--	3.6
30...	1031	0.30	2.65	50.0	6160	7.2	25.0	--	--	4.5
30...	1032	0.50	--	50.0	6000	7.2	25.0	--	--	4.5
30...	1033	1.0	--	50.0	6280	7.2	25.0	--	--	4.4
30...	1034	1.5	--	50.0	6520	7.2	25.0	--	--	4.4
30...	1035	2.0	--	50.0	6740	7.2	25.0	--	--	4.4
30...	1036	2.5	--	50.0	6920	7.2	25.0	--	--	4.3
30...	1040	0.30	3.35	650	5190	7.2	25.5	--	--	4.6
30...	1041	0.50	--	650	5830	7.3	25.5	--	--	4.8
30...	1042	1.0	--	650	6120	7.3	25.5	--	--	4.8
30...	1043	1.5	--	650	7510	7.2	25.0	--	--	4.4
30...	1044	2.0	--	650	7800	7.2	25.0	--	--	4.3
30...	1045	2.5	--	650	8010	7.2	25.0	--	--	4.3
30...	1046	3.0	--	650	8130	7.2	25.0	--	--	4.3
30...	1049	0.30	1.65	1250	4390	7.3	27.5	--	--	5.1
30...	1050	0.50	--	1250	4580	7.3	27.0	--	--	4.8
30...	1051	1.0	--	1250	5500	7.2	26.0	--	--	4.7
30...	1052	1.5	--	1250	5920	7.2	25.0	--	--	4.2

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (METERS) (82903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY										
28...	1201	0.30	1.15	50.0	5970	7.3	30.0	--	--	4.2
28...	1202	0.50	--	50.0	6530	7.3	29.5	--	--	4.1
28...	1203	1.0	--	50.0	6900	7.2	29.5	--	--	3.8
28...	1210	0.30	3.45	650	4880	7.3	30.5	--	--	4.8
28...	1211	0.50	--	650	5000	7.3	30.5	--	--	4.5
28...	1212	1.0	--	650	5510	7.3	30.0	--	--	4.3
28...	1213	1.5	--	650	6160	7.2	29.0	--	--	3.8
28...	1214	2.0	--	650	7000	7.2	29.0	--	--	3.6
28...	1215	2.5	--	650	7260	7.2	29.0	--	--	3.5
28...	1216	3.0	--	650	8070	7.2	28.5	--	--	3.7
28...	1217	3.3	--	650	8320	7.2	28.5	--	--	3.7
28...	1219	0.30	1.45	1250	3910	7.8	30.5	--	--	7.2
28...	1220	0.50	--	1250	4400	7.6	30.5	--	--	6.3
28...	1221	1.0	--	1250	5180	7.4	30.0	--	--	5.0
28...	1222	1.3	--	1250	5400	7.3	30.0	--	--	4.4
29...	0957	0.30	3.25	--	7480	7.4	28.0	2500	1.8	5.1
29...	0958	0.50	--	--	7480	7.4	28.5	--	--	5.1
29...	0959	1.0	--	--	7560	7.4	28.5	--	--	5.0
29...	1000	1.5	--	--	7770	7.4	28.5	--	--	4.9
29...	1002	2.0	--	--	8070	7.3	28.0	--	--	4.5
29...	1003	2.5	--	--	10300	7.2	28.0	--	--	3.6
29...	1004	3.0	--	--	10500	7.2	28.0	--	--	3.5
JUN										
24...	1233	0.30	2.55	--	6930	7.5	30.5	2900	2.2	5.6
24...	1234	0.50	--	--	6960	7.4	30.5	--	--	5.6
24...	1235	1.0	--	--	7170	7.4	30.5	--	--	5.4
24...	1237	1.5	--	--	8220	7.3	30.0	--	--	4.7
24...	1238	2.0	--	--	9530	7.2	29.0	--	--	4.1
24...	1239	2.4	--	--	11800	7.2	28.5	--	--	3.5
25...	0842	0.30	3.75	50.0	10500	7.4	29.0	--	--	4.5
25...	0843	0.50	--	50.0	10700	7.3	29.0	--	--	4.2
25...	0844	1.0	--	50.0	10800	7.3	28.5	--	--	4.2
25...	0845	1.5	--	50.0	11300	7.3	28.5	--	--	4.3
25...	0846	2.0	--	50.0	11100	7.3	28.5	--	--	4.3
25...	0847	2.5	--	50.0	11400	7.3	28.5	--	--	4.3
25...	0848	3.0	--	50.0	11400	7.3	28.5	--	--	4.3
25...	0849	3.5	--	50.0	11200	7.2	28.5	--	--	4.2
25...	0850	0.30	3.35	650	9800	7.4	28.5	--	--	5.0
25...	0851	0.50	--	650	10100	7.4	28.5	--	--	4.9
25...	0852	1.0	--	650	9900	7.4	28.5	--	--	4.9
25...	0853	1.5	--	650	9970	7.4	28.5	--	--	4.8
25...	0854	2.0	--	650	10200	7.4	28.5	--	--	4.5
25...	0855	2.5	--	650	11800	7.3	28.5	--	--	4.4
25...	0856	3.0	--	650	11900	7.3	28.5	--	--	4.3
25...	0857	0.30	1.35	1250	8540	7.4	29.0	--	--	5.0
25...	0858	0.50	--	1250	8610	7.4	29.0	--	--	5.2
25...	0859	1.0	--	1250	8500	7.4	29.0	--	--	4.9

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (82903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL										
28...	1246	0.30	3.65	--	284	6.8	31.0	2670	0.98	3.7
28...	1247	0.50	--	--	285	6.8	30.0	--	--	3.5
28...	1248	1.0	--	--	284	6.8	29.5	--	--	3.5
28...	1249	1.5	--	--	285	6.8	29.5	--	--	3.4
28...	1250	2.0	--	--	285	6.8	29.5	--	--	3.4
28...	1251	2.5	--	--	286	6.8	29.5	--	--	3.4
28...	1252	3.0	--	--	285	6.8	29.5	--	--	3.4
28...	1253	3.5	--	--	285	6.8	29.5	--	--	3.4
29...	0920	0.30	2.25	50.0	320	7.0	30.0	--	--	3.9
29...	0921	0.50	--	50.0	319	6.9	30.0	--	--	3.8
29...	0922	1.0	--	50.0	320	6.9	29.5	--	--	3.7
29...	0923	1.5	--	50.0	342	6.9	29.5	--	--	3.7
29...	0924	2.0	--	50.0	345	6.9	29.5	--	--	3.6
29...	0925	0.30	3.65	650	296	6.9	30.0	--	--	3.6
29...	0926	0.50	--	650	300	6.9	30.0	--	--	3.5
29...	0927	1.0	--	650	297	6.9	29.5	--	--	3.5
29...	0928	1.5	--	650	296	6.9	29.5	--	--	3.4
29...	0929	2.0	--	650	298	6.9	29.5	--	--	3.4
29...	0930	2.5	--	650	300	6.9	29.5	--	--	3.4
29...	0931	3.0	--	650	299	6.9	29.5	--	--	3.4
29...	0932	3.5	--	650	300	6.9	29.5	--	--	3.4
29...	0933	0.30	1.75	1250	300	6.9	30.0	--	--	3.5
29...	0934	0.50	--	1250	300	6.9	29.5	--	--	3.4
29...	0935	1.0	--	1250	302	6.9	29.5	--	--	3.4
29...	0936	1.5	--	1250	300	6.9	29.5	--	--	3.4
AUG										
26...	1230	0.30	3.55	--	272	7.1	30.0	3200	0.90	4.1
26...	1231	0.50	--	--	272	7.1	30.0	--	--	4.1
26...	1232	1.0	--	--	272	7.0	30.0	--	--	4.0
26...	1233	1.5	--	--	272	7.0	30.0	--	--	4.0
26...	1234	2.0	--	--	271	7.0	30.0	--	--	4.0
26...	1236	2.5	--	--	271	7.0	30.0	--	--	4.0
26...	1237	3.0	--	--	271	7.0	30.0	--	--	4.0
26...	1238	3.4	--	--	270	7.0	30.0	--	--	4.0
27...	0951	0.30	3.35	50.0	1540	7.1	29.5	--	--	4.5
27...	0952	0.50	--	50.0	1640	7.1	29.5	--	--	4.4
27...	0953	1.0	--	50.0	4360	7.0	29.5	--	--	3.7
27...	0954	1.5	--	50.0	5940	7.0	29.5	--	--	3.3
27...	0955	2.0	--	50.0	6670	7.0	29.5	--	--	3.1
27...	0956	2.5	--	50.0	7050	7.0	30.0	--	--	3.0
27...	0957	3.0	--	50.0	7340	7.0	30.0	--	--	2.9
27...	1000	0.30	4.05	650	2200	7.1	29.5	--	--	4.5
27...	1001	0.50	--	650	2200	7.1	29.5	--	--	4.5
27...	1002	1.0	--	650	2690	7.1	29.5	--	--	4.3
27...	1003	1.5	--	650	4560	7.0	29.5	--	--	3.9
27...	1004	2.0	--	650	8090	6.9	30.0	--	--	3.0
27...	1005	2.5	--	650	8450	6.9	30.0	--	--	2.8
27...	1006	3.0	--	650	8460	6.9	30.0	--	--	2.8
27...	1007	3.5	--	650	8470	7.0	30.0	--	--	2.8
27...	1008	3.9	--	650	8460	7.0	30.0	--	--	2.8
27...	1009	0.30	2.05	1250	1870	7.1	30.0	--	--	4.6
27...	1011	0.50	--	1250	2070	7.1	30.0	--	--	4.6
27...	1012	1.0	--	1250	2460	7.0	30.0	--	--	4.4
27...	1013	1.5	--	1250	3710	7.0	29.5	--	--	3.8
27...	1014	1.9	--	1250	5660	6.9	30.0	--	--	3.0

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (METERS) (82903)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP										
25...	1258	0.30	3.85	--	15900	7.4	30.0	2900	2.2	5.7
25...	1259	0.50	--	--	16200	7.4	30.0	--	--	5.7
25...	1301	1.0	--	--	17500	7.4	29.5	--	--	5.2
25...	1302	1.5	--	--	17700	7.3	29.0	--	--	4.7
25...	1303	2.0	--	--	18000	7.3	29.0	--	--	4.4
25...	1304	2.5	--	--	17600	7.3	29.0	--	--	4.4
25...	1305	3.0	--	--	17700	7.3	29.0	--	--	4.2
25...	1306	3.5	--	--	18300	7.3	29.0	--	--	3.8
26...	0925	0.30	3.25	50.0	13500	7.2	29.5	--	--	4.8
26...	0926	0.50	--	50.0	14500	7.2	29.0	--	--	4.9
26...	0927	1.0	--	50.0	14800	7.3	29.0	--	--	4.9
26...	0928	1.5	--	50.0	14900	7.3	29.0	--	--	5.0
26...	0929	2.0	--	50.0	15100	7.3	29.0	--	--	4.9
26...	0930	2.5	--	50.0	15300	7.3	29.0	--	--	4.9
26...	0931	3.0	--	50.0	15200	7.3	29.0	--	--	4.9
26...	0936	0.30	3.45	650	14700	7.3	29.0	--	--	5.2
26...	0937	0.50	--	650	15500	7.3	29.0	--	--	5.1
26...	0938	1.0	--	650	16400	7.3	29.0	--	--	5.0
26...	0939	1.5	--	650	17000	7.3	29.0	--	--	4.7
26...	0940	2.0	--	650	16700	7.3	29.0	--	--	4.7
26...	0941	2.5	--	650	16700	7.3	29.0	--	--	4.7
26...	0942	3.0	--	650	17500	7.3	29.0	--	--	4.7
26...	0943	3.3	--	650	17600	7.3	29.0	--	--	4.7
26...	0946	0.30	1.85	1250	15700	7.3	29.0	--	--	5.1
26...	0947	0.50	--	1250	16300	7.3	29.0	--	--	5.1
26...	0948	1.0	--	1250	16100	7.3	29.0	--	--	5.1
26...	0949	1.5	--	1250	16400	7.3	29.0	--	--	5.1
26...	0950	1.7	--	1250	15900	7.3	29.0	--	--	5.1

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

LABORATORY ANALYSES

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT											
21...	1350	1.00	--	--	11	200	4.2	27.0	590	7.0	10
21...	1410	10.0	--	--	11	140	5.1	--	3300	5.7	20
NOV											
19...	1415	--	0.30	3.15	--	60	1.8	--	6300	4.9	15
19...	1445	--	2.8	3.15	--	60	4.1	--	7000	5.2	22
DEC											
17...	1310	--	0.30	3.00	--	40	1.1	--	6000	2.5	17
17...	1345	--	2.7	3.00	--	30	1.8	--	6100	2.4	23
JAN											
21...	1430	--	0.30	3.45	--	40	1.9	--	6100	3.6	13
21...	1510	--	3.1	3.45	--	30	3.4	--	7100	3.5	18
FEB											
18...	1425	--	0.30	2.85	--	40	2.9	--	4900	3.5	15
18...	1445	--	2.5	2.85	--	40	4.0	--	5000	3.4	19
MAR											
17...	1410	--	3.0	3.35	--	40	3.9	--	7000	2.7	27
17...	1430	--	0.30	3.35	--	30	2.8	--	6700	2.7	22
APR											
29...	1240	--	0.30	3.95	--	30	1.8	--	3300	3.6	14
29...	1300	--	3.6	3.95	--	30	2.5	--	3600	3.5	11
MAY											
29...	1015	--	0.30	3.25	--	60	3.1	--	2300	4.9	28
29...	1025	--	2.9	3.25	--	80	4.2	--	2800	5.2	34
JUN											
24...	1250	--	0.30	2.55	--	60	1.1	--	1900	4.2	12
24...	1320	--	2.2	2.55	--	60	1.0	--	2600	4.0	19
JUL											
28...	1300	--	0.30	3.65	--	E360	1.8	--	35	7.5	4
28...	1310	--	3.3	3.65	--	E280	2.7	--	35	7.4	6
AUG											
26...	1235	--	0.30	3.55	--	240	<1.0	--	28	8.6	5
26...	1255	--	3.2	3.55	--	280	3.4	--	27	8.8	8

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN**

02297460 PEACE RIVER AT HARBOUR HEIGHTS, FL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L) (00535)	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 TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L AS C) (00685)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)
OCT											
21...	8	<0.010	0.430	0.060	1.2	0.590	0.500	38	28	11	3.70
21...	10	0.010	0.360	0.120	1.2	0.540	0.390	38	24	14	1.20
NOV											
19...	2	<0.010	0.250	0.050	0.69	0.330	0.300	41	39	20	16.0
19...	3	<0.010	0.220	0.050	0.61	0.360	0.270	41	40	20	2.90
DEC											
17...	4	<0.010	0.150	0.080	0.66	0.340	0.330	7.7	7.3	20	6.40
17...	6	<0.010	0.150	0.080	0.67	0.330	0.330	7.3	7.2	20	1.90
JAN											
21...	6	<0.010	0.150	0.030	0.72	0.330	0.300	29	28	23	--
21...	4	<0.010	0.150	0.030	0.71	0.350	0.290	28	28	22	--
FEB											
18...	6	<0.010	0.220	0.130	0.69	0.360	0.320	34	33	22	--
18...	5	<0.010	0.220	0.140	0.81	0.380	0.330	34	34	22	--
MAR											
17...	7	<0.010	0.080	0.060	0.98	0.450	0.340	14	13	26	--
17...	5	<0.010	0.080	0.040	0.90	0.400	0.330	14	14	25	--
APR											
29...	5	<0.010	0.200	0.070	0.74	0.520	0.460	17	16	23	--
29...	5	<0.010	0.190	0.090	0.77	0.520	0.460	16	16	24	--
MAY											
29...	18	0.013	0.190	0.040	E1.1	0.540	0.450	13	13	18	--
29...	12	<0.010	0.170	0.040	E0.98	0.540	0.420	13	13	18	--
JUN											
24...	4	0.010	0.070	0.030	0.88	0.480	0.460	12	12	18	--
24...	4	0.010	0.060	0.040	0.94	0.540	0.470	11	11	19	--
JUL											
28...	1	0.012	0.380	0.070	1.6	0.810	0.750	26	19	7.3	--
28...	1	0.012	0.380	0.080	1.7	0.840	0.790	26	25	7.4	--
AUG											
26...	1	0.018	0.390	0.030	1.5	0.780	0.650	23	22	10	--
26...	3	0.017	0.400	0.040	1.4	0.790	0.650	17	17	10	--

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L) (00535)
SEP									
25...	1300		0.30	3.85	80	1.0	5100	8.7	15
25...	1320		3.5	3.85	80	2.2	5400	5.3	19

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L AS C) (00685)
SEP									
25...	<0.010	0.110	0.060	1.2	0.450	0.400	13	13	20
25...	<0.010	0.100	0.070	0.96	0.420	0.360	12	12	20

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02298123 PRAIRIE CREEK NEAR FORT OGDEN, FL

LOCATION.--Lat 27°03'06", long 81°47'05", in SE 1/4 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 mi².

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 good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	91	19	17	27	18	11	140	112	201	353	89
2	55	83	23	15	26	18	10	146	149	223	406	90
3	57	79	23	15	35	19	9.9	149	153	265	449	87
4	63	71	22	15	26	19	9.8	143	137	289	496	85
5	56	65	21	15	27	18	9.0	131	132	288	479	98
6	55	60	20	14	36	16	8.6	122	131	303	466	92
7	83	56	19	14	35	14	9.1	106	123	291	429	87
8	265	55	37	14	37	13	9.9	95	108	241	401	82
9	469	55	33	13	35	13	7.6	86	98	235	421	75
10	406	50	30	22	39	13	7.8	76	98	248	348	67
11	303	45	30	21	31	13	7.7	72	89	243	286	47
12	258	43	29	21	28	13	22	136	90	236	258	42
13	306	39	31	22	26	12	23	189	95	212	223	47
14	374	37	27	34	28	33	25	199	99	211	202	79
15	360	33	25	28	25	42	40	200	105	181	170	103
16	338	33	24	28	26	31	39	224	120	204	163	99
17	304	29	22	26	29	35	40	234	123	191	173	97
18	347	28	21	26	27	31	49	213	121	180	198	81
19	353	28	21	26	30	32	50	205	130	165	201	71
20	309	31	20	26	28	29	55	218	141	204	245	65
21	266	25	19	24	27	33	53	219	150	212	202	67
22	243	24	21	24	27	29	47	203	162	305	241	66
23	225	22	22	24	25	24	43	190	158	335	223	57
24	209	21	21	25	24	22	54	192	218	371	207	64
25	200	21	20	25	31	19	44	166	264	444	194	107
26	173	21	19	25	25	18	50	133	269	337	176	122
27	153	22	18	24	20	17	55	117	271	324	164	275
28	136	20	17	24	20	15	74	110	254	420	151	922
29	123	19	16	24	---	14	128	121	228	442	133	913
30	111	19	16	33	---	12	e137	109	211	403	108	857
31	101	---	16	29	---	17	---	114	---	367	93	---
TOTAL	6753	1225	702	693	800	652	1128.4	4758	4539	8571	8259	5033
MEAN	218	40.8	22.6	22.4	28.6	21.0	37.6	153	151	276	266	168
MAX	469	91	37	34	39	42	137	234	271	444	496	922
MIN	52	19	16	13	20	12	7.6	72	89	165	93	42
CFSM	.93	.18	.10	.10	.12	.09	.16	.66	.65	1.19	1.14	.72
IN.	1.08	.20	.11	.11	.13	.10	.18	.76	.72	1.37	1.32	.80

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	280	73.8	44.4	71.8	111	163	69.2	40.8	256	324	408	475																						
MAX	1117	301	248	492	984	895	285	284	1608	1196	1193	1546																						
(WY)	1980	1988	1995	1979	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1964 - 1997
ANNUAL TOTAL	39263	43113.4	
ANNUAL MEAN	107	118	193
HIGHEST ANNUAL MEAN			457
LOWEST ANNUAL MEAN			84.3
HIGHEST DAILY MEAN	691	922	4870
LOWEST DAILY MEAN	15	7.6	.00
ANNUAL SEVEN-DAY MINIMUM	16	8.5	.04
INSTANTANEOUS PEAK FLOW		990	5400
INSTANTANEOUS PEAK STAGE		10.71	14.19
ANNUAL RUNOFF (CFSM)	.46	.51	.83
ANNUAL RUNOFF (INCHES)	6.27	6.88	11.28
10 PERCENT EXCEEDS	263	290	567
50 PERCENT EXCEEDS	60	63	59
90 PERCENT EXCEEDS	21	17	6.7

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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 1996 TO SEPTEMBER 1997

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)
JAN 22...	1240	3.44	24	760	6.9	13.0	11.2
MAR 06...	1305	3.12	16	808	6.5	23.0	9.6
APR 02...	1200	2.94	10	747	8.1	21.0	9.2
AUG 06...	1105	9.15	474	400	6.3	27.5	3.2
SEP 11...	1150	3.87	46	618	7.6	26.5	6.1
25...	1137	5.05	105	608	7.8	27.0	7.2

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 22...	<0.010	0.220	0.010	0.66	0.020	0.020
MAR 06...	<0.010	<0.020	0.010	0.73	0.060	0.020
APR 02...	<0.010	<0.020	0.030	0.74	0.060	0.020
AUG 06...	<0.010	0.170	0.040	1.5	0.120	0.120
SEP 11...	0.011	0.120	0.050	1.0	0.040	0.040
25...	<0.010	0.100	0.030	1.3	0.030	0.050

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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02298202 SHELL CREEK NEAR PUNTA GORDA, FL

LOCATION.--Lat 26°59'04", long 81°56'09", in NW¹/₄ 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 mi².

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--January 1965 to September 1987; October 1987 to September 1994 (gage heights only), October 1994 to current year.

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

REMARKS.--Flow regulated by concrete dam. Diversion by city of Punta Gorda for water supply.

REVISED RECORDS--WRD-FL 95-3A: Water year 1995 adjusted CFSM 28.68 and IN 2.11 are in error. Correct numbers are CFSM 2.11 and IN 28.68.

WDR-FL 96-3A: Water year 1996 October adjusted mean 17.11 and water year maximum 1707 are in error. Corrected numbers are October adjusted mean 1711 and water year maximum 3720.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	131	46	59	90	35	7.3	198	272	439	837	262
2	106	122	87	55	82	27	5.5	194	266	348	858	461
3	135	113	77	53	79	27	2.6	191	286	343	994	410
4	130	110	52	50	98	30	2.3	199	261	504	1170	345
5	127	107	64	53	161	46	1.5	183	234	1020	1040	356
6	e200	102	81	44	109	20	.81	168	215	1450	987	322
7	e500	108	81	45	97	16	1.3	159	206	943	1230	266
8	e2300	142	106	52	86	13	2.6	147	192	690	1170	228
9	1910	97	95	60	82	13	20	133	188	476	e1500	207
10	1060	77	83	88	76	10	27	119	192	386	e1800	187
11	682	56	79	82	70	9.3	16	122	212	364	e1400	172
12	468	51	79	80	65	6.7	87	194	269	339	1120	172
13	388	49	79	77	65	7.5	90	319	209	326	875	159
14	393	49	79	96	62	30	100	329	200	341	565	155
15	405	52	78	97	59	69	139	292	183	361	440	165
16	378	57	76	74	57	60	149	277	176	496	370	173
17	383	56	83	71	54	42	128	276	169	957	359	170
18	412	50	95	59	50	37	111	266	156	1260	471	170
19	434	42	96	58	e48	33	106	263	151	922	455	153
20	395	42	104	63	e47	31	104	282	164	794	432	144
21	340	39	106	60	e46	42	100	282	194	733	419	135
22	293	34	93	61	e46	40	98	267	209	1170	418	e130
23	265	34	66	64	46	32	101	325	271	1200	431	e120
24	240	33	47	68	45	26	106	641	519	944	402	e110
25	240	37	45	61	46	19	118	405	535	1340	477	e225
26	239	61	46	62	54	11	118	320	523	1230	420	236
27	184	60	45	69	48	11	110	308	441	1370	341	e800
28	169	55	45	69	41	10	141	245	385	1190	288	e5000
29	152	41	47	72	---	8.9	190	216	363	1270	252	3400
30	143	33	57	83	---	7.9	201	209	511	1150	231	2290
31	139	---	62	103	---	5.4	---	245	---	949	202	---
TOTAL	13319	2040	2279	2088	1909	775.7	2383.91	7774	8152	25305	21954	17123
MEAN	430	68.0	73.5	67.4	68.2	25.0	79.5	251	272	816	708	571
MAX	2300	142	106	103	161	69	201	641	535	1450	1800	5000
MIN	106	33	45	44	41	5.4	.81	119	151	326	202	110
(†)	4.4	6.0	5.7	5.8	5.7	6.0	5.3	5.1	5.3	3.9	4.4	4.4

e Estimated

ADJUSTED FOR DIVERSION BY CITY OF PUNTA GORDA

MEAN	434	74	79.2	73.2	73.9	31.0	84.8	256	277	820	712	575
CFSM	1.16	.20	.21	.20	.20	.08	.23	.69	.74	2.20	1.91	1.54
IN	1.34	.22	.24	.23	.21	.10	.25	.79	.83	2.53	2.20	1.72

OBSERVED

ADJUSTED

CAL YR 1996	TOTAL	74343	MEAN	203	MAX	2300	MIN	29	MEAN	209	CFSM	.56	IN	7.61
WTR YR 1997	TOTAL	105103	MEAN	288	MAX	e5000	MIN	.81	MEAN	293	CFSM	.79	IN	10.67

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

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

02298202 SHELL CREEK NEAR PUNTA GORDA, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 22...	1330	5.11	61	950	7.8	14.0	8.6
MAR 06...	1405	5.05	20	1020	7.5	24.5	6.0
APR 02...	1250	5.02	7.3	1020	7.6	23.0	6.7
AUG 06...	1150	5.72	962	423	7.1	27.0	2.3
SEP 11...	1240	5.23	172	513	7.8	27.0	2.3
25...	0950	5.26	203	678	7.5	28.5	4.5

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 22...	<0.010	<0.020	0.110	0.81	0.060	0.040
MAR 06...	<0.010	<0.020	0.010	0.79	0.080	0.050
APR 02...	<0.010	<0.020	0.030	0.77	0.080	0.060
AUG 06...	<0.010	0.170	0.070	1.5	0.140	0.140
SEP 11...	0.012	0.070	0.030	0.96	0.080	0.080
25...	<0.010	<0.020	0.070	1.3	0.110	0.080

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DRAINAGE AREA.--421 mi².

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.70 ft, Apr. 23; minimum, 7.43 ft, Apr. 1.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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

GAGE HEIGHT, FEET, PERIOD MARCH TO SEPTEMBER 1997

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	9.61	7.43	10.33	8.43	11.10	8.94	10.44	8.26	10.57	8.24	11.08	8.49
2	9.93	7.52	10.36	8.55	10.80	8.50	10.68	8.49	11.04	8.55	10.97	8.70
3	10.21	7.82	10.96	8.86	10.72	8.23	10.72	8.24	10.85	8.51	10.88	8.73
4	---	---	10.44	8.25	10.78	8.29	10.83	8.32	10.93	8.51	10.67	8.69
5	---	---	9.47	7.72	11.00	8.39	10.78	8.42	10.88	8.72	10.24	8.06
6	---	---	10.47	8.17	10.97	8.39	10.67	8.49	10.58	8.76	9.81	8.07
7	---	---	10.56	8.04	10.71	8.21	10.44	8.44	10.25	8.65	10.24	8.24
8	---	---	10.83	8.02	10.19	7.89	10.11	8.31	10.14	8.59	10.51	8.55
9	10.38	8.00	10.78	8.21	10.51	8.07	10.04	8.18	10.24	8.60	10.54	8.55
10	9.89	7.91	10.63	8.11	10.22	8.35	10.05	8.41	10.50	8.74	10.80	8.59
11	10.71	7.84	10.53	7.91	10.31	8.23	10.04	8.75	10.39	8.62	10.99	8.65
12	10.89	8.38	11.09	8.27	10.44	8.52	10.10	8.71	10.39	8.47	10.92	8.43
13	---	---	10.24	9.08	10.72	9.15	10.13	8.66	10.58	8.52	10.81	8.37
14	---	---	9.88	8.37	10.80	9.19	10.28	8.46	10.70	8.36	10.81	8.32
15	---	---	9.92	8.32	10.78	8.99	10.34	8.24	10.86	8.19	10.97	8.67
16	---	---	9.86	8.27	10.58	8.64	10.52	8.18	11.02	8.31	10.95	8.70
17	10.18	8.27	10.01	8.39	10.59	8.48	10.63	8.28	11.00	8.38	10.74	8.54
18	9.85	8.11	10.16	8.22	10.75	8.28	11.00	8.49	11.02	8.44	10.63	8.42
19	10.16	8.50	10.40	8.34	10.57	8.14	11.09	8.41	11.21	8.44	10.42	8.17
20	10.43	8.63	10.47	8.17	10.33	7.99	11.02	8.41	10.84	8.47	10.66	8.26
21	10.58	8.62	10.41	8.00	10.54	7.98	10.98	8.41	10.85	8.71	10.60	8.12
22	10.70	8.54	10.34	7.90	10.71	8.13	10.89	8.37	10.80	8.96	10.41	8.15
23	11.70	8.67	10.50	7.84	10.61	8.11	10.80	8.55	10.60	8.74	10.53	8.57
24	10.40	8.17	10.56	8.07	10.47	8.08	10.51	8.65	10.64	8.64	10.43	8.79
25	10.69	8.08	10.96	8.21	10.24	8.04	10.24	8.69	10.53	8.40	10.61	8.97
26	10.23	8.13	10.83	8.34	9.97	8.16	10.25	8.79	10.25	8.36	11.07	9.58
27	11.34	8.30	10.42	8.22	9.99	8.32	10.61	8.81	10.49	8.36	11.59	10.25
28	11.61	9.15	9.75	8.01	10.12	8.58	10.50	8.56	10.65	8.35	11.31	9.90
29	10.42	9.12	9.45	7.84	10.36	8.63	10.52	8.47	10.74	8.34	10.61	9.32
30	10.34	8.27	9.91	7.98	10.38	8.45	10.60	8.40	10.55	8.28	10.47	9.07
31	---	---	10.32	8.38	---	---	10.90	8.39	10.58	8.44	---	---
MONTH	---	---	11.09	7.72	11.10	7.89	11.09	8.18	11.21	8.19	11.59	8.06

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[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
PEACE RIVER BASIN

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	12800	7450	4040	2030	14800	754	736	665	478	411	1930	480
2	15300	7160	3720	1940	8790	761	1930	684	478	443	898	457
3	17500	7770	6940	1730	6890	765	2140	630	462	426	821	470
4	18500	9580	3070	1300	7810	774	3330	576	438	380	595	514
5	21400	10800	1530	1210	10800	747	612	541	397	369	600	557
6	23300	11700	3580	1260	9950	811	541	353	427	397	576	512
7	24100	12700	5730	1200	---	---	354	299	437	413	545	497
8	20400	12200	9880	1180	---	---	380	325	423	367	570	507
9	20700	11600	10900	1250	4850	803	416	365	409	371	621	538
10	17800	10800	9350	1300	3430	815	455	412	387	369	2550	548
11	23900	9870	8720	1300	4240	819	497	455	412	378	4630	554
12	22700	9930	10400	1350	6640	823	549	489	447	410	4110	578
13	17000	7630	2930	1000	8740	844	566	536	432	373	3500	589
14	9440	4920	1230	982	9580	834	611	558	427	382	3920	615
15	6310	3990	1360	1090	9250	884	808	594	497	411	5570	640
16	5250	2620	1250	1030	5870	868	665	535	510	439	6050	651
17	8920	2090	1370	958	5730	848	585	525	507	435	5300	649
18	6190	2200	2440	919	7820	851	525	372	513	489	3950	665
19	10000	2270	5860	919	7410	851	372	300	531	440	2780	675
20	13800	2590	4850	883	---	---	336	300	543	494	5540	710
21	15900	2680	2950	888	---	---	372	329	515	492	5220	733
22	16700	2760	3430	922	---	---	413	355	513	476	4700	745
23	27000	2850	3800	847	5950	758	392	313	499	456	7020	799
24	13000	3390	1050	840	1730	344	376	318	482	456	6150	1190
25	16200	3660	1320	713	851	728	406	371	475	434	7630	862
26	8700	3710	2020	686	766	621	385	348	453	433	8470	739
27	23000	3500	1030	667	678	609	390	353	515	446	10200	445
28	21200	4950	750	642	679	620	379	341	555	511	445	155
29	8900	4090	740	665	1440	620	407	379	977	531	201	159
30	5700	2460	1180	679	686	622	391	348	838	549	242	201
31	---	---	5400	710	---	---	421	365	1060	564	---	---
MONTH	27000	2090	10900	642	---	---	3330	299	1060	367	10200	155

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN**

02298608 MYAKKA RIVER AT MYAKKA CITY, FL

LOCATION.--Lat 27°20'36", long 82°09'25", in SE 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 mi².

WATER-DISCHARGE RECORDS

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.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	16	6.5	9.7	16	32	9.2	588	7.6	13	297	23
2	29	15	20	9.4	15	31	7.9	483	7.3	13	248	24
3	85	14	18	8.9	14	33	7.3	387	6.9	13	218	22
4	72	13	15	8.5	14	33	6.7	300	6.1	12	198	20
5	58	12	14	8.2	21	30	6.2	226	5.6	17	182	20
6	69	12	17	8.0	22	27	5.7	162	5.2	107	177	18
7	164	11	18	7.8	20	23	5.5	115	4.9	101	168	16
8	369	11	32	7.7	19	20	e6.1	83	4.6	79	208	15
9	382	11	28	8.2	19	18	e6.6	62	5.2	99	290	13
10	323	10	23	21	18	17	6.3	47	6.5	167	671	13
11	262	9.4	21	20	18	15	5.8	36	6.0	181	697	15
12	207	9.2	19	19	18	14	10	33	13	173	587	16
13	161	8.8	18	18	17	13	13	44	13	192	529	18
14	126	8.4	17	20	17	19	11	37	9.7	198	481	16
15	100	8.1	16	23	23	29	20	29	7.3	270	458	14
16	83	7.7	15	24	29	25	23	23	6.1	314	423	14
17	71	7.4	14	22	31	23	19	23	5.1	316	391	40
18	76	7.2	13	19	29	21	16	22	4.5	300	300	69
19	67	7.0	13	17	27	19	14	21	4.0	273	223	86
20	54	7.0	12	16	25	18	13	21	3.7	294	170	63
21	47	6.5	11	15	23	18	12	18	3.5	343	133	42
22	41	6.3	11	14	21	20	11	16	3.3	437	105	27
23	36	6.0	11	14	20	18	22	14	4.1	517	90	20
24	32	5.7	10	14	18	16	125	51	9.1	489	79	20
25	29	5.6	10	16	17	15	114	33	6.3	571	66	27
26	26	6.4	10	19	34	13	144	20	6.6	492	55	45
27	24	7.3	9.9	19	41	12	329	16	5.4	449	48	446
28	21	6.7	9.9	19	40	11	443	13	4.5	564	39	1870
29	19	6.5	10	18	---	11	795	12	4.2	515	32	1910
30	18	6.2	10	18	---	9.8	707	9.7	9.6	419	28	1570
31	17	---	10	17	---	10	---	8.4	---	354	25	---
TOTAL	3097	268.4	462.3	478.4	626	613.8	2914.3	2953.1	188.9	8282	7616	6512
MEAN	99.9	8.95	14.9	15.4	22.4	19.8	97.1	95.3	6.30	267	246	217
MAX	382	16	32	24	41	33	795	588	13	571	697	1910
MIN	17	5.6	6.5	7.7	14	9.8	5.5	8.4	3.3	12	25	13
CFSM	.80	.07	.12	.12	.18	.16	.78	.76	.05	2.14	1.97	1.74
IN.	.92	.08	.14	.14	.19	.18	.87	.88	.06	2.46	2.27	1.94

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	135	41.6	40.7	75.1	80.7	110	68.1	29.7	186	232	344	332																						
MAX	392	166	209	171	324	440	360	166	1013	737	897	1045																						
(WY)	1983	1988	1984	1979	1983	1983	1993	1991	1992	1965	1995	1994																						
MIN	1.06	3.40	3.31	4.65	9.28	8.47	2.43	.067	6.30	20.9	20.8	5.72																						
(WY)	1985	1965	1986	1985	1985	1985	1965	1985	1997	1981	1980	1984																						

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1964 - 1997
ANNUAL TOTAL	26866.7	34012.2	
ANNUAL MEAN	73.4	93.2	140
HIGHEST ANNUAL MEAN			255
LOWEST ANNUAL MEAN			49.1
HIGHEST DAILY MEAN	420 Jan 5	1910 Sep 29	9250 Jun 27 1992
LOWEST DAILY MEAN	4.9 Jun 15	3.3 Jun 22	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	5.5 Jun 10	4.0 Jun 17	.00 May 25 1964
INSTANTANEOUS PEAK FLOW		1990 Sep 28	12800 Jun 26 1992
INSTANTANEOUS PEAK STAGE		12.50 Sep 28	17.23 Jun 26 1992
ANNUAL RUNOFF (CFSM)	.59	.75	1.12
ANNUAL RUNOFF (INCHES)	8.00	10.12	15.19
10 PERCENT EXCEEDS	209	300	370
50 PERCENT EXCEEDS	39	19	42
90 PERCENT EXCEEDS	8.5	6.6	5.3

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

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02298608 MYAKKA RIVER AT MYAKKA CITY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-66, 1976-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
JAN 23...	1105	3.74	14	496	6.4	12.5	10.0
MAR 04...	0945	4.58	33	610	7.4	21.0	6.8
APR 01...	0835	3.53	9.6	585	7.2	18.0	7.5
AUG 07...	0915	7.18	170	278	8.1	26.5	3.6

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 23...	0.010	0.210	0.020	0.81	0.140	0.140
MAR 04...	<0.010	0.030	0.020	0.74	0.270	0.290
APR 01...	<0.010	<0.020	0.020	0.75	0.300	0.280
AUG 07...	0.041	0.150	0.110	1.2	0.490	0.470

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

02298830 MYAKKA RIVER NEAR SARASOTA, FL

LOCATION.--Lat 27°14'25", long 82°18'50", in SW¹/₄ 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 mi².

WATER-DISCHARGE RECORDS

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. Records include flow from Vanderipe Slough at extreme high stages.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	104	18	13	18	32	18	316	88	38	643	216
2	55	95	21	12	19	32	17	389	84	39	620	210
3	57	85	21	12	19	34	17	422	77	39	617	196
4	57	75	20	11	19	36	17	432	69	36	597	185
5	58	68	20	11	18	39	18	425	61	43	569	175
6	61	64	21	11	18	40	17	407	53	83	540	159
7	70	60	21	10	17	38	17	386	46	97	508	147
8	86	56	25	10	18	36	18	361	40	122	480	135
9	111	52	25	11	18	35	18	336	37	147	457	124
10	169	48	25	13	19	35	17	310	34	183	457	114
11	256	46	26	14	20	35	16	288	30	204	515	106
12	307	44	26	14	21	36	19	272	27	229	581	96
13	315	41	27	14	22	35	19	242	24	233	637	86
14	324	39	27	16	23	39	17	225	20	231	664	79
15	315	37	26	18	28	38	17	208	18	233	661	72
16	302	34	25	18	30	36	15	192	15	238	637	69
17	288	30	23	19	30	33	14	176	13	246	609	73
18	275	29	21	20	30	31	13	161	11	255	582	67
19	260	27	20	21	30	30	12	157	9.6	263	551	61
20	245	26	20	22	31	30	12	177	8.2	271	519	58
21	233	25	19	23	31	32	12	171	7.0	276	485	56
22	225	23	18	23	32	31	13	152	5.9	306	464	54
23	216	22	18	22	32	30	16	124	5.8	425	442	56
24	206	21	17	18	32	28	23	107	6.8	553	417	70
25	194	20	16	16	32	27	23	97	7.9	750	389	74
26	180	19	16	17	32	26	31	94	9.2	889	361	77
27	166	20	16	18	31	25	42	97	17	888	332	199
28	151	19	15	19	31	22	65	104	25	853	305	548
29	137	18	15	18	---	20	137	110	34	805	277	1010
30	125	18	14	18	---	19	221	101	39	744	250	1380
31	114	---	14	18	---	19	---	94	---	690	228	---
TOTAL	5615	1265	636	500	701	979	911	7133	922.4	10409	15394	5952
MEAN	181	42.2	20.5	16.1	25.0	31.6	30.4	230	30.7	336	497	198
MAX	324	104	27	23	32	40	221	432	88	889	664	1380
MIN	55	18	14	10	17	19	12	94	5.8	36	228	54
CFSM	.79	.18	.09	.07	.11	.14	.13	1.00	.13	1.47	2.17	.87
IN.	.91	.21	.10	.08	.11	.16	.15	1.16	.15	1.69	2.50	.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	MEAN	381	90.0	62.7	104	111	151	97.2	40.5	181	429	628	689
MAX	1325	298	343	550	603	1013	601	258	1277	1625	2032	2467	
(WY)	1949	1953	1954	1973	1973	1958	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1937 - 1997
ANNUAL TOTAL	33793.5	50417.4	
ANNUAL MEAN	92.3	138	248
HIGHEST ANNUAL MEAN			579
LOWEST ANNUAL MEAN			73.1
HIGHEST DAILY MEAN	341	Apr 5	1380
LOWEST DAILY MEAN	9.5	Jun 19	5.8
ANNUAL SEVEN-DAY MINIMUM	11	Jun 14	7.3
INSTANTANEOUS PEAK FLOW			1470
INSTANTANEOUS PEAK STAGE			8.31
INSTANTANEOUS LOW FLOW			5.4
ANNUAL RUNOFF (CFSM)	.40	.60	1.08
ANNUAL RUNOFF (INCHES)	5.49	8.19	14.71
10 PERCENT EXCEEDS	235	425	664
50 PERCENT EXCEEDS	54	38	77
90 PERCENT EXCEEDS	19	16	.70

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

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02298830 MYAKKA RIVER NEAR SARASOTA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)
JAN 22...	0925	2.53	23	421	6.6	12.0	--	8.9	--	--	--	--
MAR 06...	1000	2.92	40	523	6.0	22.0	80	5.1	46	23	14	8.8
APR 02...	0850	2.31	17	678	6.8	19.0	60	6.4	59	28	21	8.6
AUG 06...	0850	6.76	543	212	6.1	28.0	--	0.6	--	--	--	--
SEP 11...	0900	4.08	107	237	6.9	27.0	240	3.1	19	9.7	9.7	4.9

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)
JAN 22...	--	--	--	--	--	<0.010	<0.020	0.020	0.90	0.190	0.180
MAR 06...	170	25	0.20	1.3	376	<0.010	<0.020	0.030	0.91	0.310	0.310
APR 02...	210	35	0.30	1.6	478	<0.010	0.020	0.060	1.2	0.420	0.390
AUG 06...	--	--	--	--	--	<0.010	<0.020	0.040	1.4	0.580	0.570
SEP 11...	40	15	0.20	4.4	214	0.013	0.050	0.150	1.3	0.430	0.430

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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)
JAN 22...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	50	<1	<1	<1	<1	40	<1	<0.10	<1	3000	<1
APR 02...	40	<1	<1	<1	<1	30	<1	<0.10	<1	3300	2
AUG 06...	--	--	--	--	--	--	--	--	--	--	--
SEP 11...	60	1	<1	<1	<1	250	<1	<0.10	<1	930	2

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

270914082213700 WINDOM SLOUGH NEAR NORTH PORT CHARLOTTE, FL

LOCATION.--Lat 27°09'14", long 82°21'37", in SE 1/4 sec.24, T.38 S., R.19 E., Sarasota County, Hydrologic Unit 03100102, on right bank, 6.3 mi east north-east of U.S. Highway 41, 9.5 mi northwest of North Port Warm Mineral Springs corporate boundary at U.S. Highway 41, and 9.9 mi northwest of North Port Charlotte.

DRAINAGE AREA.--Undetermined.

PERIOD OF RECORD.--October 1993 to September 1996 (miscellaneous measurements); October 1996 to September 1997 (gage heights only), discontinued.

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.37 ft, Sept. 28; minimum, 3.82 ft, Apr. 8-11.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.83	4.73	4.66	4.66	4.49	4.51	3.96	4.96	4.71	4.72	5.95	5.56
2	4.84	4.74	4.73	4.64	4.47	4.47	3.93	4.96	4.75	4.73	5.69	6.46
3	5.02	4.74	4.70	4.63	4.45	4.42	3.92	4.95	4.72	4.73	5.74	6.03
4	4.98	4.74	4.68	4.62	4.42	4.37	3.90	4.95	4.69	4.71	5.57	5.81
5	4.94	4.74	4.66	4.61	4.57	4.34	3.88	4.94	4.65	4.80	5.32	5.68
6	4.98	4.75	4.66	4.60	4.74	4.31	3.86	4.94	4.62	4.95	5.10	5.54
7	5.21	4.75	4.68	4.59	4.72	4.28	3.85	4.93	4.60	4.93	5.05	5.47
8	5.37	4.76	4.80	4.58	4.72	4.25	3.83	4.92	4.58	4.91	5.13	5.38
9	5.44	4.77	4.77	4.61	4.73	4.22	3.82	4.92	4.61	4.90	5.15	5.31
10	5.36	4.77	4.76	4.72	4.73	4.22	3.83	4.91	4.61	4.90	5.14	5.25
11	5.28	4.76	4.75	4.69	4.74	4.20	3.83	4.90	4.59	4.89	5.23	5.21
12	5.22	4.75	4.75	4.67	4.74	4.18	4.04	4.93	4.57	4.91	5.34	5.18
13	5.17	4.75	4.75	4.64	4.74	4.16	4.06	4.93	4.54	4.96	5.29	5.15
14	5.14	4.75	4.74	4.67	4.74	4.24	4.04	4.90	4.51	4.96	5.31	5.11
15	5.10	4.75	4.73	4.67	4.75	4.28	4.06	4.89	4.48	4.97	5.40	5.10
16	5.06	4.74	4.73	4.66	4.76	4.25	4.06	4.88	4.44	5.01	5.43	5.12
17	5.05	4.73	4.72	4.64	4.76	4.22	4.05	4.89	4.39	4.98	5.42	5.33
18	5.02	4.73	4.71	4.62	4.74	4.19	4.03	4.88	4.33	4.97	5.79	5.24
19	5.00	4.72	4.71	4.61	4.73	4.17	3.99	4.86	4.29	4.98	5.68	5.19
20	4.97	4.72	4.71	4.61	4.72	4.15	3.96	4.85	4.25	4.99	5.54	5.15
21	4.94	4.72	4.71	4.60	4.71	4.14	3.93	4.83	4.20	4.98	5.41	5.11
22	4.91	4.71	4.72	4.59	4.69	4.14	3.92	4.80	4.18	5.03	6.05	5.07
23	4.87	4.70	4.71	4.58	4.67	4.12	3.96	4.78	4.19	5.24	6.27	5.18
24	4.84	4.69	4.71	4.57	4.65	4.11	4.07	4.78	4.26	5.37	5.89	5.67
25	4.81	4.69	4.70	4.56	4.63	4.09	4.04	4.80	4.56	5.28	5.64	5.85
26	4.79	4.68	4.70	4.56	4.60	4.08	4.41	4.78	4.72	5.29	5.49	5.82
27	4.77	4.68	4.69	4.55	4.58	4.06	4.81	4.75	4.72	6.04	5.37	7.75
28	4.75	4.67	4.69	4.53	4.54	4.04	5.01	4.74	4.72	6.51	5.30	9.08
29	4.74	4.66	4.68	4.52	---	4.02	5.01	4.75	4.72	6.56	5.24	8.47
30	4.73	4.66	4.67	4.52	---	4.00	4.97	4.72	4.73	6.45	5.19	8.87
31	4.73	---	4.67	4.51	---	3.98	---	4.71	---	6.26	5.15	---
MEAN	5.00	4.72	4.71	4.61	4.66	4.20	4.10	4.86	4.53	5.19	5.46	5.84
MAX	5.44	4.77	4.80	4.72	4.76	4.51	5.01	4.96	4.75	6.56	6.27	9.08
MIN	4.73	4.66	4.66	4.51	4.42	3.98	3.82	4.71	4.18	4.71	5.05	5.07

WTR YR 1997 MEAN 4.83 MAX 9.08 MIN 3.82

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

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02298928 TRIBUTARY TO MYAKKA RIVER NEAR VENICE, FL

LOCATION.--Lat 27°27'07", long 82°20'37", in SE 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.--Undetermined.

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 has not been determined.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.89	.00	.00	.00	.00	.00	.17	.00	.00	1.8	8.7
2	1.5	.69	.00	.00	.00	.00	.00	.06	.00	.00	1.7	37
3	8.9	.50	.00	.00	.00	.00	.00	.00	.00	.00	1.8	28
4	8.3	.34	.00	.00	.00	.00	.00	.00	.00	.00	2.7	18
5	6.8	.22	.00	.00	.00	.00	.00	.00	.00	.00	2.3	19
6	6.6	.13	.00	.00	.00	.00	.00	.00	.00	.00	1.8	13
7	27	.07	.00	.00	.00	.00	.00	.00	.00	.00	e2	8.5
8	50	.06	.00	.00	.00	.00	.00	.00	.00	.00	e20	5.3
9	42	.07	.00	.00	.00	.00	.00	.00	.00	.00	e30	3.2
10	31	.04	.00	.00	.00	.00	.00	.00	.00	.00	e20	1.9
11	24	.01	.00	.00	.00	.00	.00	.00	.00	.00	e10	1.6
12	19	.00	.00	.00	.00	.00	.00	.00	.00	.00	e20	1.4
13	16	.00	.00	.00	.00	.00	.00	.00	.00	.00	e10	1.4
14	15	.00	.00	.00	.00	.00	.00	.00	.00	.00	e6	1.3
15	13	.00	.00	.00	.00	.00	.00	.00	.00	.00	e5	1.2
16	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.2	1.7
17	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.2	1.7
18	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	9.1	1.6
19	8.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.2	1.4
20	7.2	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.3	1.2
21	5.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.2	1.0
22	5.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.5	.88
23	4.3	.00	.00	.00	.00	.00	.00	.00	.00	.09	7.1	3.3
24	3.7	.00	.00	.00	.00	.00	.00	.00	.00	.21	4.9	38
25	3.1	.00	.00	.00	.00	.00	.00	.00	.00	.16	4.1	45
26	2.7	.00	.00	.00	.00	.00	.00	.00	.00	.75	8.1	42
27	2.3	.00	.00	.00	.00	.00	.00	.00	.00	1.2	7.5	127
28	1.9	.00	.00	.00	.00	.00	.33	.00	.00	1.5	5.6	250
29	1.6	.00	.00	.00	---	.00	1.4	.00	.00	1.7	3.8	178
30	1.3	.00	.00	.00	---	.00	.40	.00	.00	3.0	3.0	151
31	1.1	---	.00	.00	---	.00	---	.00	---	3.4	2.1	---
TOTAL	351.1	3.02	0.00	0.00	0.00	0.00	2.13	0.23	0.00	12.01	226.0	993.28
MEAN	11.3	.10	.000	.000	.000	.000	.071	.007	.000	.39	7.29	33.1
MAX	50	.89	.00	.00	.00	.00	1.4	.17	.00	3.4	30	250
MIN	1.1	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.7	.88

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1997, BY WATER YEAR (WY)

	1994	1995	1996	1997	1994	1995	1996	1997	1994	1995	1996	1997
MEAN	20.1	3.16	.33	1.14	.42	.22	.053	.033	1.30	12.0	25.9	34.6
MAX	37.9	5.33	.96	2.34	1.37	.74	.14	.12	5.21	40.5	46.9	68.8
(WY)	1996	1996	1995	1996	1995	1995	1996	1995	1995	1995	1995	1994
MIN	3.61	.10	.000	.000	.000	.000	.000	.000	.000	.31	7.29	6.58
(WY)	1994	1997	1997	1997	1997	1994	1994	1994	1994	1996	1997	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1994 - 1997
ANNUAL TOTAL	1092.11	1587.77	
ANNUAL MEAN	2.98	4.35	8.30
HIGHEST ANNUAL MEAN			13.2
LOWEST ANNUAL MEAN			4.35
HIGHEST DAILY MEAN	50 Oct 8	250 Sep 28	250 Sep 28 1997
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Mar 10	.00 Nov 12	.00 Dec 8 1993
INSTANTANEOUS PEAK FLOW		295 Sep 28	295 Sep 28 1997
INSTANTANEOUS PEAK STAGE		5.30 Sep 28	6.94 Jul 19 1995
10 PERCENT EXCEEDS	10	8.2	19
50 PERCENT EXCEEDS	.05	.00	.27
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

02299060 DEER PRAIRIE SLOUGH NEAR MYAKKA CITY, FL

LOCATION.--Lat 27°10'33", long 82°12'42", in NE 1/4 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.03	.00	.01	22	7.3
2	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	21	8.9
3	.00	.00	.00	.00	.00	.00	.00	.02	.00	.02	21	8.1
4	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02	21	7.2
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09	21	6.7
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	21	5.9
7	.03	.00	.00	.00	.00	.00	.00	.00	.00	.07	30	5.3
8	.05	.00	.00	.00	.00	.00	.00	.00	.00	.04	41	4.5
9	.03	.00	.00	.00	.00	.00	.00	.00	e.00	.03	43	3.8
10	.02	.00	.00	.00	.00	.00	.00	.00	e.00	.03	43	3.3
11	.01	.00	.00	.00	.00	.00	.00	.00	e.00	.08	40	2.8
12	.01	.00	.00	.00	.00	.00	.00	.00	e.00	.19	36	2.4
13	.01	.00	.00	.00	.00	.00	.00	.00	e.00	.16	33	2.2
14	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.14	33	2.1
15	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.13	37	1.8
16	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.10	31	1.6
17	.03	.00	.00	.00	.00	.00	.00	.00	e.00	.08	27	1.4
18	.03	.00	.00	.00	.00	.00	.00	.00	.00	.10	24	1.1
19	.03	.00	.00	.00	.00	.00	.00	.03	.00	.51	25	.96
20	.02	.00	.00	.00	.00	.00	.00	.06	.00	.98	30	.79
21	.01	.00	.00	.00	.00	.00	.00	.04	.00	.80	25	.65
22	.01	.00	.00	.00	.00	.00	.00	.03	.00	.81	23	.52
23	.01	.00	.00	.00	.00	.00	.00	.02	e.00	1.3	21	.48
24	.00	.00	.00	.00	.00	.00	.00	.01	e.00	2.8	19	.55
25	.00	.00	.00	.00	.00	.00	.00	.00	e.00	7.7	17	.54
26	.00	.00	.00	.00	.00	.00	.03	.00	e.00	14	15	.65
27	.00	.00	.00	.00	.00	.00	.02	.00	e.00	28	13	12
28	.00	.00	.00	.00	.00	.00	.07	.00	.00	29	11	48
29	.00	.00	.00	.00	---	.00	.09	.00	.00	28	9.2	54
30	.00	.00	.00	.00	---	.00	.04	.00	.01	26	8.1	48
31	.00	---	.00	.00	---	.00	---	.00	---	24	7.1	---
TOTAL	0.30	0.00	0.00	0.00	0.00	0.00	0.25	0.27	0.01	165.39	768.4	243.54
MEAN	.010	.000	.000	.000	.000	.000	.008	.009	.000	5.34	24.8	8.12
MAX	.05	.00	.00	.00	.00	.00	.09	.06	.01	29	43	54
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	7.1	.48
AC-FT	.6	.00	.00	.00	.00	.00	.5	.5	.02	328	1520	483

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1997, BY WATER YEAR (WY)

	1994	1995	1996	1997
MEAN	20.2	5.18	.34	.66
MAX	45.6	9.50	.92	1.46
(WY)	1996	1995	1995	1996
MIN	.010	.000	.000	.000
(WY)	1997	1997	1997	1997

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1994 - 1997
ANNUAL TOTAL	88.64	1178.16	
ANNUAL MEAN	.24	3.23	8.07
HIGHEST ANNUAL MEAN			15.8
LOWEST ANNUAL MEAN			3.23
HIGHEST DAILY MEAN	2.3 Jan 13	54 Sep 29	118 Sep 2 1995
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Apr 17	.00 Oct 24	.00 Feb 13 1994
INSTANTANEOUS PEAK FLOW		55 Sep 28	121 Sep 2 1995
INSTANTANEOUS PEAK STAGE		29.01 Sep 28	29.45 Sep 2 1995
ANNUAL RUNOFF (AC-FT)	176	2340	5840
10 PERCENT EXCEEDS	.96	12	30
50 PERCENT EXCEEDS	.01	.00	.06
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

121

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

LOCATION.--Lat 27°08'06", long 82°15'24", in NE 1/4 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.--Undetermined.

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 good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.73	3.1	.44	.39	.32	.02	.33	27	.46	4.2	77	29
2	.99	2.8	.60	.36	.30	.01	.26	21	.49	5.5	75	37
3	3.8	2.4	.59	.34	.28	.00	.18	16	.47	6.0	71	31
4	4.3	2.0	.56	.31	.26	.00	.13	13	.38	5.8	71	27
5	4.9	1.8	.53	.29	.28	.00	.09	9.0	.29	5.9	65	24
6	7.0	1.5	.51	.28	.28	.00	.06	5.7	.21	10	59	21
7	34	1.2	.54	.26	.28	.00	.04	3.7	.15	10	55	19
8	62	1.1	.92	.23	.25	.00	.03	2.6	.09	9.2	64	16
9	71	1.0	.85	.27	.23	.00	.03	1.8	.08	9.8	90	14
10	69	.98	.81	.66	.21	.00	.02	1.5	.07	19	107	12
11	65	.95	.80	.65	.19	.00	.01	1.4	.03	23	110	11
12	59	.91	.78	.61	.18	.00	.27	e2	.00	21	109	9.2
13	54	.87	.76	.58	.16	e.00	.34	e2	.00	21	97	8.0
14	49	.84	.74	.63	.14	e1	.30	1.6	.00	25	88	7.9
15	44	.80	.72	.62	.13	e2.0	.41	1.4	.00	21	123	6.9
16	39	.76	.69	.60	.14	1.9	.43	1.3	.00	21	121	6.1
17	35	.73	.67	.57	.15	1.3	.40	1.3	.00	18	99	5.5
18	30	.72	.65	.54	.14	1.1	.33	1.2	.00	19	83	4.8
19	28	.69	.64	.52	.12	1.2	.27	1.1	.00	28	73	4.2
20	26	.65	.62	.50	.10	.95	.23	1.2	.00	42	72	3.6
21	22	.64	.59	.49	.08	.77	.18	1.2	.00	47	68	3.2
22	19	.61	.58	.47	.07	.72	.14	1.2	.00	49	70	2.8
23	16	.57	.57	.45	.06	.59	.18	1.1	.00	62	70	2.6
24	14	.53	.55	.44	.05	.46	.52	1.1	e.00	63	62	3.1
25	11	.50	.53	.42	.05	1.4	.53	1.0	e.5	66	64	3.6
26	9.6	.55	.52	.41	.05	10	18	.91	e2	74	65	6.9
27	7.9	.57	.50	.41	.05	6.5	29	.83	e3	73	55	141
28	6.5	.54	.48	.39	.04	4.0	32	.75	3.3	75	46	318
29	5.4	.50	.46	.38	---	2.9	48	.72	3.2	80	38	326
30	4.5	.48	.43	.36	---	.49	35	.64	4.3	81	32	321
31	3.7	---	.41	.35	---	.41	---	.54	---	80	28	---
TOTAL	806.32	31.29	19.04	13.78	4.59	37.72	167.71	125.79	19.02	1074.4	2307	1425.4
MEAN	26.0	1.04	.61	.44	.16	1.22	5.59	4.06	.63	34.7	74.4	47.5
MAX	71	3.1	.92	.66	.32	10	48	27	4.3	81	123	326
MIN	.73	.48	.41	.23	.04	.00	.01	.54	.00	4.2	28	2.6

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1997, BY WATER YEAR (WY)

	MEAN	89.8	18.8	2.88	4.85	1.92	1.12	1.74	1.26	16.0	65.4	111	123
MAX	212	41.9	7.20	11.8	3.74	1.76	5.59	4.06	59.2	190	255	224	
(WY)	1996	1996	1995	1996	1995	1995	1997	1997	1995	1995	1995	1994	
MIN	4.95	1.04	.61	.44	.16	.19	.26	.000	.63	1.27	19.4	3.43	
(WY)	1994	1997	1997	1997	1997	1994	1995	1995	1997	1996	1996	1996	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1994 - 1997
ANNUAL TOTAL	2245.98	6032.06	
ANNUAL MEAN	6.14	16.5	36.7
HIGHEST ANNUAL MEAN			73.9
LOWEST ANNUAL MEAN			16.5
HIGHEST DAILY MEAN	71 Aug 11	326 Sep 29	368 Sep 19 1994
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Apr 23	.00 Mar 3	.00 Mar 18 1994
INSTANTANEOUS PEAK FLOW		330 Sep 29	393 Sep 19 1994
INSTANTANEOUS PEAK STAGE		24.19 Sep 29	24.58 Sep 19 1994
10 PERCENT EXCEEDS	16	64	124
50 PERCENT EXCEEDS	1.3	.91	2.4
90 PERCENT EXCEEDS	.18	.05	.00

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN**

02299410 BIG SLOUGH CANAL NEAR MYAKKA CITY, FL

LOCATION.--Lat 27°11'35", long 82°08'40", in SW¹/₄ 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 mi².

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. Prior to September 1966, flow included from Mud Lake Slough.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	.65	1.4	2.7	3.6	4.3	.44	69	3.0	8.4	132	13
2	.57	.61	4.1	2.9	3.9	4.0	.55	49	4.5	7.0	105	17
3	.60	.58	3.5	2.3	4.4	3.5	.57	37	6.9	6.5	126	14
4	.52	.53	2.9	2.6	4.0	3.4	.52	27	6.6	6.4	139	11
5	.49	.75	2.9	2.6	14	3.3	.52	19	4.8	8.4	133	9.5
6	1.4	.77	3.4	2.7	15	3.2	.40	13	3.1	51	122	7.9
7	34	.99	3.1	3.2	14	2.8	.27	10	2.1	82	126	6.7
8	88	2.0	4.2	3.1	9.8	2.4	.22	7.9	1.6	102	162	5.5
9	89	2.5	3.5	2.7	6.4	1.9	.15	6.0	1.4	103	183	4.4
10	81	2.4	2.7	7.7	4.4	1.5	.09	4.6	1.5	94	188	4.9
11	66	1.1	2.4	8.0	3.7	1.3	.06	3.4	2.0	85	189	5.2
12	47	.94	2.5	7.1	3.1	1.6	.71	4.8	28	73	183	5.0
13	33	.89	2.8	4.9	2.8	1.9	1.5	10	35	63	164	4.9
14	24	1.9	2.9	4.7	3.0	2.5	1.9	11	30	56	136	4.6
15	18	1.6	2.7	5.1	3.1	5.4	3.6	9.7	23	64	107	4.7
16	14	1.1	2.4	5.9	3.3	8.7	4.6	7.4	18	94	76	4.4
17	12	.98	2.6	4.9	3.6	7.3	4.7	5.9	15	123	55	4.4
18	10	.96	2.6	4.0	3.0	5.0	3.0	4.7	12	133	40	6.4
19	8.7	.96	2.7	3.3	2.6	3.5	1.8	6.1	8.8	130	36	5.4
20	7.2	1.0	2.7	3.9	2.3	2.8	1.4	12	6.1	123	41	4.7
21	5.8	1.1	2.4	4.9	2.3	2.6	.98	12	4.0	124	31	4.3
22	4.5	1.2	2.8	4.4	2.5	2.4	.75	11	2.8	151	32	4.1
23	3.3	1.3	2.8	4.0	2.7	2.1	1.1	10	2.3	176	35	4.1
24	2.8	1.2	2.6	4.3	2.8	1.7	4.0	15	6.1	177	32	5.2
25	2.7	1.4	2.5	5.0	3.1	1.6	8.2	11	16	200	27	4.2
26	2.6	1.8	3.4	5.6	4.1	2.0	26	9.3	19	222	33	7.7
27	1.7	1.8	3.2	5.3	5.0	1.2	48	7.5	17	236	30	190
28	1.4	1.9	3.6	4.5	4.8	.77	55	5.5	16	235	24	395
29	1.1	1.8	2.9	4.2	---	.85	71	5.8	13	219	19	470
30	.89	1.5	2.8	4.7	---	.75	76	5.8	11	195	15	527
31	.73	---	2.7	3.9	---	.61	---	4.2	---	165	13	---
TOTAL	563.72	38.21	89.7	135.1	137.3	86.88	318.03	414.6	320.6	3512.7	2734	1755.2
MEAN	18.2	1.27	2.89	4.36	4.90	2.80	10.6	13.4	10.7	113	88.2	58.5
MAX	89	2.5	4.2	8.0	15	8.7	76	69	35	236	189	527
MIN	.49	.53	1.4	2.3	2.3	.61	.06	3.4	1.4	6.4	13	4.1
AC-FT	1120	76	178	268	272	172	631	822	636	6970	5420	3480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1997, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	35.4	9.44	8.28	12.4	15.0	28.7	17.0	5.92	69.4	46.4	71.7	81.1					
MAX	204	26.3	60.4	76.1	123	124	90.4	27.3	605	157	230	195					
(WY)	1996	1987	1984	1987	1983	1983	1993	1991	1992	1992	1992	1994					
MIN	.80	.35	.22	.034	.86	.49	.26	.073	.27	.85	6.24	2.23					
(WY)	1985	1981	1992	1981	1982	1981	1981	1992	1985	1993	1993	1996					

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1981 - 1997
ANNUAL TOTAL	5640.99	10106.04	
ANNUAL MEAN	15.4	27.7	33.4
HIGHEST ANNUAL MEAN			87.6
LOWEST ANNUAL MEAN			5.26
HIGHEST DAILY MEAN	124 Jul 15	527 Sep 30	7300 Jun 27 1992
LOWEST DAILY MEAN	.30 Jun 10	.06 Apr 11	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.53 Jun 4	.24 Apr 5	.00 Dec 26 1980
INSTANTANEOUS PEAK FLOW		533 Sep 30	8600 Jun 27 1992
INSTANTANEOUS PEAK STAGE		30.39 Sep 30	33.73 Sep 21 1962
ANNUAL RUNOFF (AC-FT)	11190	20050	24200
10 PERCENT EXCEEDS	45	97	73
50 PERCENT EXCEEDS	6.6	4.5	6.5
90 PERCENT EXCEEDS	1.1	.99	.51

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MYAKKA RIVER BASIN

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02299455 BIG SLOUGH CANAL NEAR NORTH PORT CHARLOTTE, FL

LOCATION.--Lat 27°06'30", long 82°12'200", in SW¹/₄ 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 mi².

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 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 discharge, 961 ft³/s, July 4, 1991; maximum gage height, 26.22 ft, June 27, 1992; no flow many days in 1990 water year.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.02 ft, July 25; minimum, 13.67 ft, Apr. 11, 12.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.91	13.90	13.77	13.85	13.88	13.94	13.79	16.78	14.06	14.21	17.67	---
2	13.88	13.88	13.85	13.84	13.86	13.91	13.76	16.34	14.09	14.40	17.20	---
3	13.90	13.86	13.92	13.84	13.87	13.91	13.75	15.69	14.08	14.49	16.95	---
4	13.89	13.85	13.87	13.82	13.92	13.90	13.75	15.28	14.05	---	17.16	---
5	13.87	13.83	13.84	13.83	14.10	13.89	13.75	14.97	14.00	---	17.20	---
6	13.88	13.82	13.85	13.82	14.56	13.88	13.74	14.68	13.95	---	17.12	---
7	14.87	13.81	13.88	13.83	14.60	13.87	13.74	14.47	13.90	---	17.04	---
8	16.41	13.83	13.98	13.85	14.53	13.86	13.72	14.33	13.86	---	17.86	---
9	16.74	13.89	13.94	13.85	14.32	13.83	13.70	14.23	13.86	---	18.09	---
10	16.59	13.88	13.91	13.99	14.18	13.81	13.69	14.17	13.85	16.46	18.23	---
11	16.49	13.85	13.89	---	14.12	13.78	13.67	14.16	13.84	16.49	18.35	14.54
12	16.17	13.78	13.89	---	14.07	13.76	13.80	14.27	14.10	16.54	18.12	14.62
13	15.74	13.77	13.90	---	14.03	13.76	13.82	14.36	14.45	16.23	17.91	14.67
14	15.36	13.76	13.92	14.02	14.02	13.90	13.84	14.36	14.34	15.78	17.62	14.72
15	15.05	13.84	13.92	14.03	14.01	13.97	13.93	14.30	14.23	15.62	17.37	14.73
16	14.81	13.77	13.89	14.05	14.02	14.10	13.99	14.22	14.15	15.90	17.04	14.64
17	14.71	13.75	13.89	14.03	14.02	14.15	14.01	14.18	14.08	16.30	16.50	14.75
18	14.65	13.74	13.89	---	14.00	14.16	14.02	14.14	14.01	16.60	16.10	14.73
19	14.51	13.74	13.89	13.94	13.96	14.10	13.96	14.15	13.94	16.69	15.91	14.74
20	14.39	13.74	13.90	13.93	13.93	14.03	13.93	14.92	13.88	16.61	16.38	14.79
21	14.31	13.74	13.90	13.97	13.90	13.99	13.89	14.59	13.82	16.44	16.01	14.82
22	---	13.75	13.89	14.01	13.89	13.96	13.86	14.39	13.79	17.06	16.39	14.87
23	---	13.75	13.91	13.98	13.88	13.92	13.87	14.27	13.82	17.91	16.76	14.86
24	---	13.75	13.91	13.98	13.87	13.90	14.05	14.57	14.03	17.90	---	---
25	14.12	13.74	13.89	13.97	13.87	13.93	14.09	14.41	14.24	18.75	---	---
26	14.10	13.79	13.90	13.98	13.90	14.01	---	14.29	14.57	18.72	---	---
27	14.06	13.80	13.91	14.00	13.94	13.92	---	14.20	14.35	18.21	---	---
28	14.01	13.79	13.91	14.00	13.95	13.87	---	14.22	14.22	18.21	---	---
29	13.97	13.80	13.91	13.98	---	13.84	16.62	14.19	14.17	18.22	---	---
30	13.94	13.79	13.87	13.99	---	13.82	16.68	14.12	14.29	18.18	---	---
31	13.92	---	13.86	13.97	---	13.81	---	14.06	---	18.06	---	---
MEAN	---	13.80	13.89	---	14.04	13.92	---	14.56	14.07	---	---	---
MAX	---	13.90	13.98	---	14.60	14.16	---	16.78	14.57	---	---	---
MIN	---	13.74	13.77	---	13.86	13.76	---	14.06	13.79	---	---	---

WATER RESOURCES DATA FOR FLORIDA, 1997
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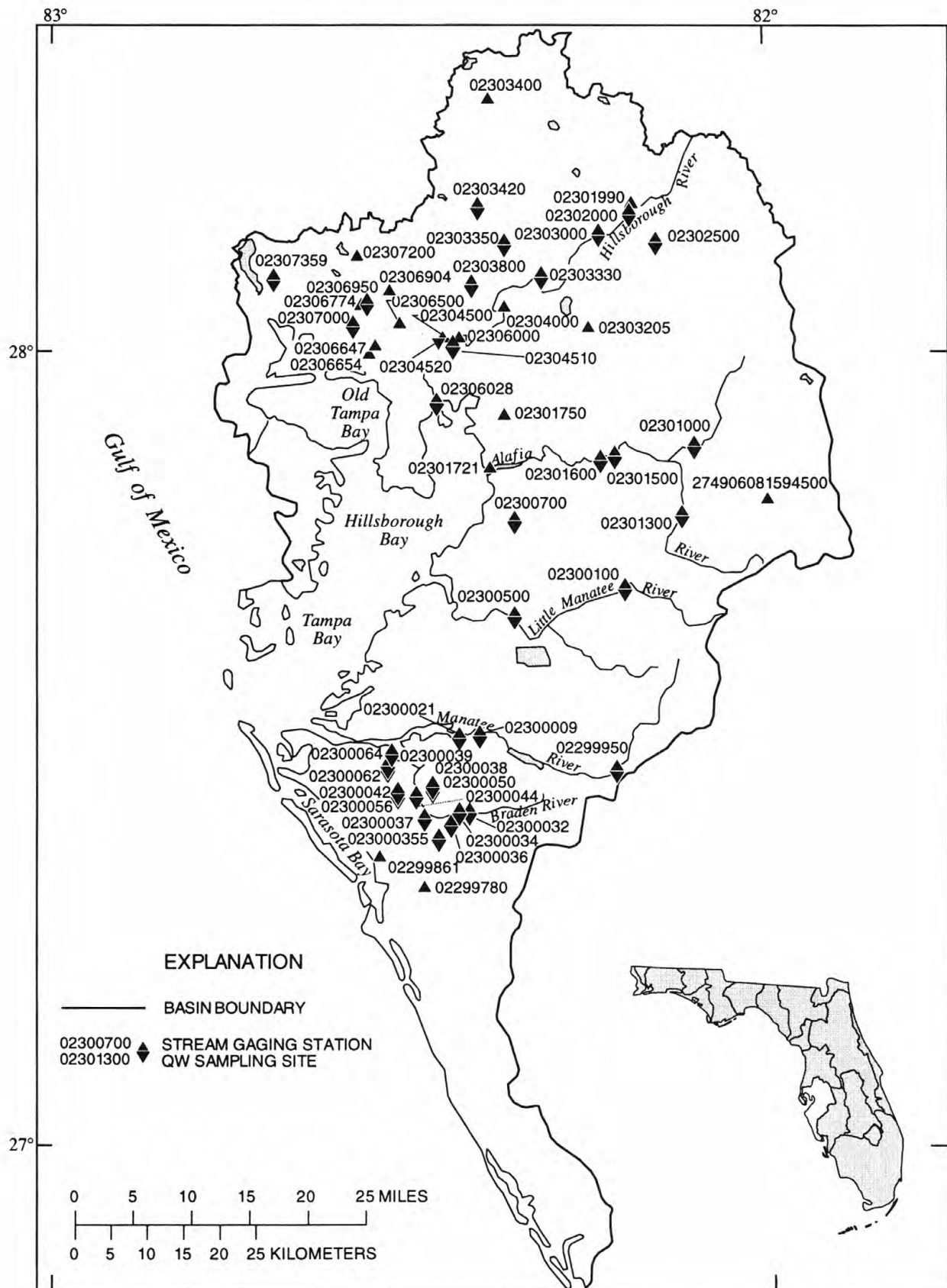


Figure 15.--Location of stream gaging stations in the Coastal area between Myakka and Manatee Rivers, Manatee, Little Manatee, Alafia, Hillsborough River Basins, Tampa Bay and Coastal area.

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA BETWEEN MYAKKA AND MANATEE RIVERS

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02299780 PHILLIPPI CREEK NEAR BEE RIDGE, FL

LOCATION.--Lat 27°19'22", long 82°28'53", in SE 1/4 sec.27, T.36 S., R.18 E., Sarasota County, Hydrologic Unit 03100201, on left bank, 150 ft upstream from Bahia Vista Street, 1.0 mi south of State Highway 780, 3.7 mi north of Bee Ridge, and 6.7 mi upstream from mouth.

DRAINAGE AREA.--31.1 mi².

PERIOD OF RECORD.--July 1994 to September 1997 (discontinued).

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

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	8.7	27	4.3	5.9	3.8	4.2	39	31	27	e19	e18
2	17	7.0	105	3.6	6.2	3.7	3.8	28	35	23	e23	e20
3	30	5.8	24	3.1	8.2	3.9	3.5	22	27	19	e48	21
4	26	5.0	15	2.8	6.6	4.3	3.3	19	23	15	e16	22
5	22	7.0	12	3.0	7.4	4.6	3.0	16	20	14	e50	18
6	26	6.0	9.8	3.4	8.0	4.6	2.3	14	17	20	e26	14
7	91	5.9	11	4.6	8.4	4.1	1.7	12	16	16	e52	12
8	434	7.9	25	4.3	9.3	3.8	1.5	11	17	25	e87	10
9	164	7.5	12	23	5.9	4.2	1.2	11	27	22	e57	9.3
10	64	5.3	8.9	28	6.4	4.1	1.1	10	24	11	e29	9.6
11	41	4.7	7.5	10	9.0	5.0	1.7	9.0	21	23	e14	8.7
12	28	5.2	7.8	7.0	7.0	4.3	32	71	18	24	e9.7	20
13	25	5.6	8.7	5.6	5.5	3.8	16	84	43	35	e30	48
14	22	5.3	7.0	10	5.4	25	5.6	32	137	14	e42	24
15	18	5.9	6.1	8.9	5.2	16	14	21	15	31	e130	40
16	16	5.1	6.6	7.6	6.7	7.7	12	17	e11	109	e66	90
17	34	5.6	5.9	6.4	5.5	4.7	6.1	15	e7.0	26	e37	481
18	78	5.3	6.8	5.6	3.9	4.4	3.6	14	e4.8	19	e16	120
19	36	4.9	6.2	5.0	4.4	4.4	2.0	12	e3.3	22	e12	54
20	23	4.6	4.5	8.2	4.0	4.6	1.8	16	2.6	35	e51	39
21	20	5.2	4.5	6.0	4.2	7.0	1.3	15	4.1	46	e33	29
22	17	4.8	5.4	6.3	4.4	8.5	1.2	11	18	53	e23	24
23	15	3.9	4.2	6.3	3.8	6.2	104	11	24	145	e17	32
24	15	4.0	3.2	7.1	3.6	5.1	118	134	68	82	e12	40
25	14	4.0	3.0	11	3.4	4.1	25	142	214	e186	e14	30
26	13	14	2.7	13	5.2	11	124	60	274	e140	e16	213
27	11	9.3	2.7	7.0	5.1	7.2	96	33	101	e100	e14	2830
28	9.5	3.8	3.0	6.4	3.7	4.7	236	29	61	e72	e12	2220
29	8.9	2.8	4.6	7.5	---	4.0	215	23	43	e53	e15	953
30	8.2	2.5	4.2	7.3	---	4.1	68	20	33	e41	e28	1000
31	7.8	---	4.0	6.7	---	4.2	---	23	---	e27	e20	---
TOTAL	1356.4	172.6	358.3	239.0	162.3	187.1	1108.9	974.0	1339.8	1475	1018.7	8449.6
MEAN	43.8	5.75	11.6	7.71	5.80	6.04	37.0	31.4	44.7	47.6	32.9	282
MAX	434	14	105	28	9.3	25	236	142	274	186	130	2830
MIN	7.8	2.5	2.7	2.8	3.4	3.7	1.1	9.0	2.6	11	9.7	8.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	64.7	28.0	14.5	26.8	13.7	18.0	29.7	24.1	64.2	114	87.1	148
MAX	98.1	63.0	16.4	47.5	18.0	31.0	37.0	31.4	108	273	191	282
(WY)	1996	1996	1996	1996	1996	1996	1997	1997	1995	1995	1995	1997
MIN	43.8	5.75	11.6	7.71	5.80	6.04	24.9	14.5	40.2	20.7	32.9	18.0
(WY)	1997	1997	1997	1997	1997	1997	1995	1995	1996	1996	1997	1996

e Estimated

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1995 - 1997
ANNUAL TOTAL	10005.7	16841.7	
ANNUAL MEAN	27.3	46.1	52.8
HIGHEST ANNUAL MEAN			75.4
LOWEST ANNUAL MEAN			37.1
HIGHEST DAILY MEAN	434 Oct 8	2830 Sep 27	2830 Sep 27 1997
LOWEST DAILY MEAN	2.5 Nov 30	1.1 Apr 10	1.1 Apr 10 1997
ANNUAL SEVEN-DAY MINIMUM	3.3 Dec 23	1.8 Apr 5	1.8 Apr 5 1997
INSTANTANEOUS PEAK FLOW		3460 Sep 28	3460 Sep 28 1997
INSTANTANEOUS PEAK STAGE		21.00 Sep 28	21.00 Sep 28 1997
10 PERCENT EXCEEDS	53	69	109
50 PERCENT EXCEEDS	18	12	19
90 PERCENT EXCEEDS	5.9	3.8	5.7

**PEACE, HILLSBOROUGH RIVERS AND WESTERN 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 1/4 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 mi².

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 fair.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	3.4	13	1.4	1.4	.98	.93	4.8	3.0	3.0	1.3	2.1
2	3.9	3.6	9.2	1.4	1.4	.98	.76	4.1	2.9	2.9	1.5	2.2
3	5.0	3.6	3.2	1.4	1.3	.98	.69	3.5	2.4	2.5	5.6	1.5
4	4.3	3.1	2.3	1.4	1.3	.98	.78	2.6	2.3	2.5	2.5	2.5
5	3.9	2.8	2.0	1.4	1.3	.98	.80	2.1	2.6	2.4	7.3	1.5
6	4.7	2.7	1.8	1.4	1.3	.98	.75	1.9	2.4	3.4	3.9	1.1
7	30	3.0	3.1	1.4	1.3	.94	.82	1.4	2.1	2.1	5.9	.96
8	47	2.8	3.1	1.7	1.5	.90	.71	1.5	2.4	1.8	3.5	.88
9	12	2.7	2.1	6.9	1.3	.89	.25	.82	3.3	1.6	2.7	.86
10	8.7	2.6	1.9	3.7	1.3	.91	.15	.55	2.8	1.5	2.2	.87
11	7.3	2.5	1.9	1.8	1.2	.87	.45	.43	2.3	8.3	1.7	1.3
12	6.5	2.5	1.9	1.4	1.2	.95	3.5	16	2.2	10	1.5	1.2
13	5.6	2.4	1.8	1.4	1.2	1.5	.28	6.9	2.1	6.4	12	1.2
14	5.2	2.4	1.6	1.8	1.1	4.9	.65	2.9	3.4	3.4	7.0	1.3
15	4.9	2.4	1.5	1.5	1.3	1.7	2.1	2.0	2.8	2.8	3.8	3.2
16	5.9	2.4	1.4	1.4	1.4	1.1	.48	1.4	2.4	2.5	3.2	3.6
17	11	2.7	1.5	1.5	1.5	.91	.32	1.3	2.5	2.4	2.8	1.9
18	9.7	2.4	1.6	1.5	1.2	.77	.21	1.2	2.1	2.3	2.5	1.1
19	6.9	2.4	1.5	1.5	1.1	.77	.15	1.2	1.9	4.4	2.4	.84
20	6.0	2.6	1.5	1.4	1.1	.82	.12	1.1	1.9	3.9	1.8	.81
21	5.4	2.7	1.5	1.4	1.1	3.2	.15	.93	1.8	3.5	1.8	.67
22	4.8	2.3	1.5	1.4	1.1	1.7	.26	.76	4.4	4.3	5.2	.47
23	4.7	2.8	1.5	1.4	1.1	1.5	36	.71	2.8	3.8	2.3	.85
24	4.5	3.2	1.5	1.4	1.1	1.3	6.7	1.4	8.5	3.0	1.8	1.2
25	4.5	3.4	1.4	2.3	1.1	1.1	2.2	2.8	14	2.5	1.9	.66
26	4.4	2.9	1.4	1.8	1.1	1.1	27	1.7	9.3	2.1	2.2	23
27	4.1	2.3	1.4	1.4	1.0	1.1	8.2	1.1	4.7	2.1	1.6	109
28	3.7	2.2	1.4	1.4	.98	1.2	33	5.2	4.7	1.7	1.3	34
29	3.6	2.2	1.4	1.6	---	1.0	12	2.6	5.5	1.5	1.1	12
30	3.6	2.2	1.4	1.5	---	.93	6.3	2.6	3.6	1.3	1.0	8.1
31	3.6	---	1.4	1.5	---	.90	---	2.3	---	1.5	1.9	---
TOTAL	239.1	81.2	73.7	54.4	34.28	38.84	146.71	79.80	109.1	97.4	97.2	220.87
MEAN	7.71	2.71	2.38	1.75	1.22	1.25	4.89	2.57	3.64	3.14	3.14	7.36
MAX	47	3.6	13	6.9	1.5	4.9	36	16	14	10	12	109
MIN	3.6	2.2	1.4	1.4	.98	.77	.12	.43	1.8	1.3	1.0	.47
CFSM	1.57	.55	.48	.36	.25	.26	1.00	.52	.74	.64	.64	1.50
IN.	1.81	.62	.56	.41	.26	.29	1.11	.60	.83	.74	.74	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1997, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997
MEAN	10.7	4.45	2.76	5.81	4.49	4.79
MAX	28.8	12.7	4.05	15.5	9.24	7.76
(WY)	1996	1996	1995	1993	1992	1993
MIN	2.50	1.41	1.08	1.42	1.22	1.25
(WY)	1992	1992	1992	1992	1997	1997

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1992 - 1997
ANNUAL TOTAL	1971.5	1272.60	
ANNUAL MEAN	5.39	3.49	7.31
HIGHEST ANNUAL MEAN			9.54
LOWEST ANNUAL MEAN			3.49
HIGHEST DAILY MEAN	72	109	348
LOWEST DAILY MEAN	1.1	.12	.12
ANNUAL SEVEN-DAY MINIMUM	1.4	.24	.24
INSTANTANEOUS PEAK FLOW		305	971
INSTANTANEOUS PEAK STAGE		7.66	13.01
ANNUAL RUNOFF (CFSM)	1.10	.71	1.49
ANNUAL RUNOFF (INCHES)	14.94	9.64	20.22
10 PERCENT EXCEEDS	9.7	5.9	14
50 PERCENT EXCEEDS	3.2	1.9	3.4
90 PERCENT EXCEEDS	1.6	.88	1.2

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02299950 MANATEE RIVER NEAR MYAKKA HEAD, FL

LOCATION.--Lat 27°28'24", long 82°12'41", in SE 1/4 sec.33, T.34 S., R.21 E., Manatee County, Hydrologic Unit 03100202, near center span on downstream side highway 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 mi².

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 fair. Extreme low flow affected at times by ground-water pumpage into channel upstream from station by Manatee County Utilities since about September 1984.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	4.9	7.8	5.1	15	11	7.8	75	13	5.0	140	19
2	7.2	4.9	13	6.4	9.7	11	6.0	46	11	4.6	122	24
3	8.4	4.9	14	5.5	7.8	11	6.1	32	9.9	4.7	130	21
4	12	4.8	10	5.3	6.8	10	5.4	26	7.9	5.5	142	18
5	10	4.7	7.3	7.1	11	10	5.1	21	5.9	41	415	17
6	8.6	4.8	7.9	7.2	24	10	5.8	16	4.9	264	360	18
7	14	4.8	7.8	6.2	17	10	7.4	14	4.6	164	212	16
8	41	4.7	15	6.3	14	8.5	7.8	12	4.0	80	230	15
9	55	6.1	13	7.9	10	8.2	5.4	11	3.7	45	231	15
10	38	6.9	9.1	17	8.9	8.6	5.2	10	3.6	36	432	14
11	23	6.0	8.4	19	8.8	7.7	5.2	9.3	3.5	32	458	16
12	17	6.4	8.0	15	8.1	6.6	8.4	15	4.9	46	245	44
13	13	6.0	6.6	11	7.4	5.4	11	43	12	49	483	52
14	11	4.8	6.3	9.8	8.1	9.2	9.3	52	9.6	42	319	31
15	9.5	4.7	7.0	9.4	9.6	18	12	33	8.7	49	164	24
16	9.0	4.9	6.8	8.3	14	20	16	21	7.6	52	262	22
17	12	4.7	6.4	7.3	12	10	14	18	4.5	63	129	19
18	31	5.3	6.1	6.2	11	6.5	8.9	15	3.2	119	74	20
19	24	6.1	5.1	5.6	8.7	5.3	6.6	14	2.7	224	56	31
20	18	6.1	5.5	7.7	7.6	6.7	5.8	13	2.5	283	46	23
21	12	4.9	4.9	9.1	7.9	16	5.9	17	2.2	164	39	18
22	10	5.0	5.5	8.9	7.3	56	6.7	13	2.2	126	34	17
23	9.2	5.2	5.7	7.6	7.6	56	8.9	10	2.1	120	30	15
24	7.3	4.8	4.9	8.6	6.5	29	28	95	2.0	183	27	24
25	7.3	4.7	4.7	7.2	6.3	18	30	84	1.8	365	25	44
26	6.6	5.4	5.1	9.3	14	13	61	48	2.2	173	29	55
27	7.2	7.8	4.7	9.6	16	10	144	28	4.2	86	51	529
28	5.5	7.6	4.7	7.9	13	9.3	147	20	12	261	36	1810
29	5.7	6.6	5.2	6.9	---	8.6	195	29	19	394	26	732
30	5.1	7.5	5.6	15	---	9.6	145	29	6.7	217	22	349
31	5.4	---	4.9	20	---	11	---	18	---	159	20	---
TOTAL	449.0	166.0	227.0	283.4	298.1	430.2	930.7	887.3	182.1	3856.8	4989	4052
MEAN	14.5	5.53	7.32	9.14	10.6	13.9	31.0	28.6	6.07	124	161	135
MAX	55	7.8	15	20	24	56	195	95	19	394	483	1810
MIN	5.1	4.7	4.7	5.1	6.3	5.3	5.1	9.3	1.8	4.6	20	14
CFSM	.22	.08	.11	.14	.16	.21	.48	.44	.09	1.91	2.46	2.07
IN.	.26	.09	.13	.16	.17	.25	.53	.51	.10	2.20	2.84	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1997, BY WATER YEAR (WY)

	MEAN	50.9	23.6	25.2	36.9	38.7	55.1	25.6	24.4	86.1	120	167	167
MAX	235	83.8	125	118	177	279	128	196	366	383	349	530	
(WY)	1972	1972	1978	1973	1983	1983	1993	1991	1982	1968	1967	1994	
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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1967 - 1997

ANNUAL TOTAL	15061.1	16751.6	
ANNUAL MEAN	41.2	45.9	68.5
HIGHEST ANNUAL MEAN			136
LOWEST ANNUAL MEAN			23.0
HIGHEST DAILY MEAN	647	1810	4700
LOWEST DAILY MEAN	3.6	1.8	.12
ANNUAL SEVEN-DAY MINIMUM	4.1	2.1	.18
INSTANTANEOUS PEAK FLOW		2290	5410
INSTANTANEOUS PEAK STAGE		14.76	17.85
ANNUAL RUNOFF (CFSM)	.63	.70	1.05
ANNUAL RUNOFF (INCHES)	8.58	9.54	14.25
10 PERCENT EXCEEDS	96	127	163
50 PERCENT EXCEEDS	16	10	17
90 PERCENT EXCEEDS	5.4	4.9	3.9

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02299950 MANATEE RIVER NEAR MYAKKA HEAD, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
SEP 10...	1215	1.54	14	226	7.9	25.0	7.6	0.8

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
SEP 10...	<0.010	0.070	0.020	0.44	0.410	0.450	9.7

129

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 17.5 mi upstream from mouth.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--March to September 1997.

REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.28 ft, Sept. 28; minimum, 17.28 ft, Apr. 1.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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

GAGE HEIGHT, FEET, PERIOD MARCH TO SEPTEMBER 1997

[illegible]

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WATER-QUALITY RECORDS

TEMPERATURE.--Top probe maximum, 33.4°C, June 18-21; bottom probe maximum, 33.3°C, June 19; top probe minimum, 20.3°C, Apr. 19; bottom probe minimum, 20.3°C, Apr. 19.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	13300	2980	657	389	13400	3060	756	529	208	178	5060	574
2	15400	3330	991	491	12300	2160	968	586	202	175	5850	650
3	19100	3950	990	433	12100	2060	1190	593	202	184	6760	984
4	19300	6030	971	518	13200	2500	1630	620	196	180	6170	1010
5	20300	8060	1140	654	14600	3080	1960	285	193	172	5530	680
6	21700	9490	1850	838	14700	3220	354	298	177	168	5790	871
7	21900	8350	2510	1090	14800	2910	354	301	193	171	7230	1240
8	20500	6790	4240	1140	14400	2790	452	312	187	168	8370	1780
9	20800	6590	4660	1340	15300	3750	491	291	189	168	8850	1580
10	20700	6090	4810	1400	13700	3430	300	275	186	164	9940	786
11	24500	6340	4640	1360	15600	3190	325	269	177	162	10000	483
12	24900	9630	5750	1400	15600	5230	461	286	174	163	9120	648
13	23100	10300	4360	1990	17000	8180	317	256	172	161	11400	1020
14	15400	9980	3240	1320	17700	8030	261	235	167	156	13700	1360
15	14200	5110	2970	1240	18900	8660	253	238	179	162	15500	2490
16	15600	5760	1870	348	17800	6570	325	241	249	172	16800	3180
17	20500	9250	1530	474	19000	6290	378	245	174	154	16100	2660
18	21700	11500	2710	625	20000	5830	262	223	379	167	15700	2720
19	18500	10400	4080	812	20300	5770	228	186	594	205	15700	2310
20	19500	11600	3290	854	20800	5280	220	195	788	258	16800	3080
21	21200	10800	3480	918	21100	5810	230	211	976	279	17300	3410
22	22500	10700	3950	945	22500	4870	248	218	1010	330	16700	3310
23	28500	12300	5620	909	21700	5930	239	156	1020	320	17300	5000
24	19400	7650	7060	1070	15100	1890	215	175	---	---	15500	514
25	19500	7100	9890	1410	4080	460	219	196	---	---	8220	1370
26	15000	1470	3290	382	606	383	216	192	1260	341	12700	1660
27	5150	1180	5070	448	404	341	206	196	1710	406	4970	115
28	4610	385	5540	581	559	358	205	195	2310	446	162	145
29	431	335	4660	681	416	342	201	184	2890	472	217	162
30	629	388	6710	911	603	384	197	181	3300	555	282	196
31	---	---	9010	1330	---	---	198	181	4100	637	---	---
MONTH	28500	335	9890	348	22500	341	1960	156	---	---	17300	115

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	21200	13300
16	---	---	---	---	---	---	---	---	---	---	19400	8770
17	---	---	---	---	---	---	---	---	---	---	21800	7340
18	---	---	---	---	---	---	---	---	---	---	23200	9900
19	---	---	---	---	---	---	---	---	---	---	23100	12000
20	---	---	---	---	---	---	---	---	---	---	23100	12000
21	---	---	---	---	---	---	---	---	---	---	24000	13000
22	---	---	---	---	---	---	---	---	---	---	20400	11400
23	---	---	---	---	---	---	---	---	---	---	18100	10500
24	---	---	---	---	---	---	---	---	---	---	15900	8110
25	---	---	---	---	---	---	---	---	---	---	14200	8220
26	---	---	---	---	---	---	---	---	---	---	14500	6850
27	---	---	---	---	---	---	---	---	---	---	13000	6600
28	---	---	---	---	---	---	---	---	---	---	14700	5660
29	---	---	---	---	---	---	---	---	---	---	15100	6180
30	---	---	---	---	---	---	---	---	---	---	14600	4870
31	---	---	---	---	---	---	---	---	---	---	12900	5640
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	13500	3080	633	376	13300	2920	695	463	204	179	5070	647
2	15600	3470	958	475	12100	2070	914	532	213	177	6250	731
3	19600	4080	958	423	13300	2170	1140	530	205	186	7000	1070
4	19600	6590	951	497	14400	2660	1560	567	200	183	6260	1120
5	20400	8200	1100	636	16100	3290	1930	232	195	174	5640	779
6	21400	9580	1830	826	16300	3480	318	259	179	169	5900	983
7	21700	8400	2520	1060	16200	3140	325	268	194	173	7400	1360
8	20300	6840	4320	1100	15400	3000	422	280	187	169	8730	1930
9	20900	6660	4740	1300	16200	3950	461	264	192	169	8850	1870
10	20900	6200	4690	1370	14800	3640	281	252	190	165	9950	952
11	24900	6420	4620	1310	16800	3350	309	251	177	163	10700	619
12	24800	9620	5670	1380	17000	5590	450	272	175	164	10200	814
13	22800	10300	4260	1920	18500	8680	305	246	172	161	12500	1220
14	15100	10100	3160	1280	19200	8640	255	234	170	157	14000	1590
15	14400	5190	2890	1190	20700	9300	254	235	179	162	15700	2770
16	15800	5410	1790	327	19600	7090	327	243	247	169	16900	3460
17	20300	9270	1640	457	20700	6870	387	249	174	154	16100	3000
18	21300	11500	2740	606	21800	5740	275	225	381	165	15700	3130
19	19000	10200	4210	786	20200	5700	230	191	617	210	15500	2710
20	20000	11500	3260	824	20600	5170	229	199	809	258	16600	3410
21	21500	10700	3460	887	20800	5450	240	216	994	278	17300	3740
22	23000	10500	3920	907	22500	6110	262	221	1030	329	16700	3710
23	29500	12300	5580	876	21900	5840	246	158	1050	317	17800	5440
24	19800	7630	7170	1040	15200	1850	213	179	---	---	16100	571
25	19700	7110	10000	1350	3990	366	213	199	---	---	11000	1440
26	15000	1490	3200	363	528	293	208	197	1270	355	14400	1710
27	5030	1180	4980	428	321	255	214	199	1720	428	5110	115
28	4500	373	5470	556	489	282	210	197	2340	479	165	148
29	422	321	4530	650	338	268	203	186	2930	518	218	165
30	620	373	6540	873	556	313	205	184	3420	600	290	200
31	---	---	8720	1300	---	---	200	181	4330	689	---	---
MONTH	29500	321	10000	327	22500	255	1930	158	---	---	17800	115

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	26.1	23.6
20	---	---	---	---	---	---	---	---	---	---	26.1	24.0
21	---	---	---	---	---	---	---	---	---	---	26.1	24.4
22	---	---	---	---	---	---	---	---	---	---	26.1	23.8
23	---	---	---	---	---	---	---	---	---	---	25.3	24.0
24	---	---	---	---	---	---	---	---	---	---	26.1	24.0
25	---	---	---	---	---	26.6	---	---	---	---	26.1	24.4
26	---	---	---	---	---	---	---	---	---	---	26.6	24.7
27	---	---	---	---	---	---	---	---	---	---	27.5	24.8
28	---	---	---	---	---	---	---	---	---	---	28.1	25.7
29	---	---	---	---	---	---	---	---	---	---	28.0	26.5
30	---	---	---	---	---	---	---	---	---	---	28.5	25.7
31	---	---	---	---	---	---	---	---	---	---	28.5	26.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	26.6	23.7	26.2	22.8	30.5	29.1	31.1	29.9	30.0	28.5	30.5	28.9
2	25.9	22.8	28.0	24.8	30.0	28.4	31.6	29.5	31.1	28.9	31.1	28.4
3	25.7	22.8	28.5	26.5	30.2	27.9	32.2	30.5	30.5	27.9	31.7	29.5
4	26.1	23.2	29.0	27.0	30.5	27.9	32.8	31.1	31.1	28.4	31.7	30.0
5	26.0	23.2	28.0	25.2	30.5	27.9	31.7	28.4	29.5	28.2	31.1	29.9
6	27.1	24.4	27.7	24.8	30.7	27.9	30.8	29.0	30.6	28.4	30.0	28.3
7	27.0	25.6	28.4	25.2	31.1	27.9	32.8	28.4	31.1	28.5	30.0	27.9
8	27.0	24.8	28.5	26.1	29.5	27.4	31.7	28.9	31.1	28.4	30.5	27.9
9	26.1	24.8	29.0	26.5	28.5	27.5	31.7	29.0	30.5	28.4	31.1	28.4
10	26.6	23.8	29.3	27.0	29.5	26.9	31.1	28.9	30.5	28.4	31.7	28.8
11	24.8	23.6	28.5	27.0	30.0	27.4	29.8	28.4	30.6	28.9	31.1	29.6
12	25.7	23.2	27.5	25.6	30.5	28.3	31.1	28.3	31.1	28.2	30.6	28.9
13	26.1	24.4	27.5	25.2	31.1	29.5	30.6	27.4	30.0	28.5	30.5	28.0
14	25.3	22.8	30.5	25.6	31.7	29.4	30.6	28.4	30.6	28.5	31.1	28.4
15	22.8	21.4	29.0	26.5	31.7	30.0	31.1	28.3	30.6	28.0	30.5	28.4
16	22.9	20.7	28.0	25.2	32.8	30.5	31.1	27.9	30.6	28.9	30.7	28.4
17	23.6	21.7	26.6	24.8	32.8	31.1	32.3	29.0	32.8	29.5	30.5	28.9
18	23.2	21.0	27.5	25.2	33.4	31.1	31.1	28.3	31.3	29.3	30.5	28.8
19	23.2	20.3	28.0	26.1	33.4	31.1	30.0	28.4	32.2	30.0	31.1	28.8
20	24.0	21.3	29.1	26.5	33.4	31.0	29.5	28.3	32.8	31.0	31.1	28.8
21	24.9	22.4	30.6	27.5	33.4	30.4	31.5	28.4	32.8	31.1	31.1	29.4
22	26.1	23.6	31.1	28.5	32.8	30.5	32.2	27.9	32.8	31.0	31.1	28.8
23	25.7	24.0	30.9	28.9	32.2	29.8	32.2	28.0	32.8	31.0	31.7	29.3
24	25.7	23.0	30.1	28.3	31.1	28.8	31.7	28.5	---	---	31.1	29.0
25	25.7	23.6	30.2	27.8	31.1	27.0	31.1	28.9	---	---	31.1	28.9
26	24.9	23.5	31.2	28.9	31.7	26.4	30.5	28.9	32.2	29.9	30.7	28.5
27	26.1	23.1	31.7	28.4	31.1	26.0	31.1	28.4	32.2	29.9	28.5	25.1
28	26.1	23.6	31.1	28.8	31.1	27.9	30.5	28.3	32.2	29.8	28.1	27.4
29	25.7	23.6	31.1	28.4	30.6	28.3	31.1	28.5	32.2	29.8	28.0	26.6
30	26.2	23.2	31.1	28.4	31.1	28.9	31.1	28.9	31.7	29.9	28.5	26.0
31	---	---	31.1	28.8	---	---	31.1	28.9	31.7	29.4	---	---
MONTH	27.1	20.3	31.7	22.8	33.4	26.0	32.8	27.4	---	---	31.7	25.1

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	25.8	23.3
16	---	---	---	---	---	---	---	---	---	---	25.8	23.3
17	---	---	---	---	---	---	---	---	---	---	25.8	22.9
18	---	---	---	---	---	---	---	---	---	---	25.8	23.7
19	---	---	---	---	---	---	---	---	---	---	25.8	23.6
20	---	---	---	---	---	---	---	---	---	---	25.8	23.7
21	---	---	---	---	---	---	---	---	---	---	25.8	24.5
22	---	---	---	---	---	---	---	---	---	---	25.9	23.7
23	---	---	---	---	---	---	---	---	---	---	25.1	24.1
24	---	---	---	---	---	---	---	---	---	---	26.3	23.7
25	---	---	---	---	---	---	---	---	---	---	25.8	24.5
26	---	---	---	---	---	---	---	---	---	---	26.3	24.5
27	---	---	---	---	---	---	---	---	---	---	27.2	24.9
28	---	---	---	---	---	---	---	---	---	---	28.2	25.8
29	---	---	---	---	---	---	---	---	---	---	28.1	26.2
30	---	---	---	---	---	---	---	---	---	---	28.7	25.8
31	---	---	---	---	---	---	---	---	---	---	28.2	26.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	26.7	23.7	26.3	22.9	30.4	29.1	30.8	29.6	30.2	28.2	30.4	28.6
2	25.4	22.5	27.8	24.5	29.8	28.1	31.4	29.2	30.2	28.6	30.8	28.2
3	25.4	22.5	28.7	26.2	30.2	28.1	32.5	30.2	29.8	28.1	31.4	29.5
4	25.8	22.9	28.7	27.1	30.2	28.1	32.5	30.8	29.7	28.6	31.9	30.2
5	25.8	23.3	27.7	25.0	30.8	28.1	31.4	28.6	29.2	28.2	31.3	29.7
6	26.8	24.5	27.2	24.9	30.8	28.1	30.8	28.8	30.8	28.2	29.7	28.5
7	27.0	25.4	28.1	25.3	30.8	27.6	31.9	28.1	29.7	28.1	29.7	28.1
8	26.7	25.3	28.7	25.8	29.7	27.6	31.4	28.7	30.8	28.2	30.8	28.0
9	26.2	24.9	28.7	26.4	28.7	27.5	30.8	29.2	30.2	28.2	30.8	28.6
10	26.3	23.7	29.2	26.7	29.2	27.2	30.8	28.7	30.2	28.1	31.4	29.1
11	24.9	23.6	28.3	26.7	29.7	27.6	29.7	28.2	30.4	28.6	30.8	29.6
12	25.4	22.9	27.2	25.8	30.8	28.1	30.8	28.1	30.8	28.1	30.8	28.6
13	25.8	24.5	27.2	24.9	30.8	29.2	30.3	27.6	30.2	28.2	29.7	28.1
14	25.4	22.5	29.7	25.3	31.4	29.2	30.3	28.5	30.8	28.2	30.8	28.6
15	22.5	21.4	28.7	26.2	31.4	30.2	30.8	28.0	30.3	28.1	30.2	28.3
16	22.6	20.7	28.1	24.9	32.5	30.2	31.0	28.0	30.3	28.6	30.8	28.1
17	23.6	21.4	26.3	24.5	33.1	30.8	30.8	29.1	31.9	29.7	30.7	28.6
18	23.3	21.1	27.0	24.9	33.1	30.8	30.3	28.5	31.4	29.2	30.2	28.6
19	22.9	20.3	28.2	26.2	33.3	31.3	29.8	28.2	32.5	30.2	30.8	28.6
20	24.1	21.4	29.2	26.7	33.1	30.8	29.2	28.1	32.5	30.8	30.8	29.1
21	24.6	22.5	30.3	27.6	33.1	30.7	30.8	28.1	32.5	31.3	31.1	29.2
22	25.8	23.3	30.8	28.6	32.5	30.7	30.8	27.7	32.9	30.8	31.2	29.1
23	25.8	24.1	30.8	28.6	32.0	29.6	30.8	28.1	32.5	30.7	31.4	29.6
24	25.4	22.9	30.3	28.0	30.8	28.5	31.4	28.6	---	---	30.8	29.3
25	25.4	23.3	30.3	28.0	30.8	26.9	30.8	28.5	---	---	30.8	29.1
26	25.0	23.3	30.8	28.7	31.4	26.2	30.8	28.7	32.5	29.7	30.8	28.7
27	26.0	22.9	31.4	28.5	30.8	26.2	30.8	28.2	32.3	29.8	28.7	24.9
28	25.8	23.7	30.8	29.1	30.8	28.1	30.2	28.1	31.9	30.1	28.2	27.2
29	25.4	23.3	30.8	28.0	30.3	28.0	30.8	28.7	31.9	29.6	28.2	26.7
30	26.3	22.9	30.8	28.1	30.8	28.6	30.7	28.7	31.4	29.6	28.2	25.7
31	---	---	30.8	28.6	---	---	31.3	28.6	31.4	29.6	---	---
MONTH	27.0	20.3	31.4	22.9	33.3	26.2	32.5	27.6	---	---	31.9	24.9

LOCATION.--Lat 27°31'05", long 82°25'42", in SW¹/₄ 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 mi².

PERIOD OF RECORD.--March to September 1997.

REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.

EXTREMES FOR CURRENENT PERIOD.--Maximum gage height, 10.10 ft, Sept. 28; minimum 6.02 ft, Mar. 7.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

GAGE HEIGHT, FEET, PERIOD MARCH TO SEPTEMBER 1997

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	8.36	6.14	---	---	9.57	7.37	9.25	6.83	9.39	6.65	9.26	6.80
2	8.52	6.26	---	---	9.34	6.95	9.47	6.94	9.49	6.92	9.40	7.19
3	8.89	6.33	---	---	9.38	6.77	9.49	6.76	9.48	6.89	9.47	7.34
4	9.00	6.74	---	---	9.46	6.82	9.59	6.77	9.68	7.16	9.13	7.05
5	9.03	6.94	---	---	9.64	6.94	9.49	6.81	9.56	7.34	8.73	6.70
6	9.18	7.10	---	---	9.57	6.73	9.47	6.71	9.25	7.22	8.58	6.85
7	9.09	6.85	---	---	9.33	6.63	9.16	6.75	8.88	7.07	8.86	7.06
8	8.78	6.54	---	---	8.92	6.58	8.90	6.60	8.67	7.03	9.14	7.27
9	8.82	6.47	---	---	9.16	6.86	9.08	6.58	8.58	6.90	9.13	7.26
10	8.68	6.41	---	---	8.85	6.82	8.91	6.98	8.81	7.26	9.21	7.29
11	9.18	6.39	---	---	8.80	6.65	8.79	7.16	8.95	7.27	9.42	7.19
12	9.31	6.87	---	---	8.78	7.02	8.76	7.16	8.91	7.15	9.34	7.00
13	8.99	6.83	---	---	9.08	7.49	8.76	7.29	8.97	6.99	9.41	7.00
14	7.69	6.86	---	---	9.12	7.47	8.94	7.04	9.21	6.99	9.57	6.89
15	7.73	6.30	---	---	9.35	7.52	9.07	6.90	9.54	6.81	9.67	7.18
16	8.03	6.52	---	---	9.16	7.06	9.07	6.68	9.56	6.76	9.71	7.31
17	8.97	6.89	---	---	9.20	6.96	9.26	6.66	9.71	6.87	9.34	7.10
18	---	---	---	---	9.27	6.76	9.57	6.83	9.74	6.85	9.21	6.95
19	---	---	---	---	9.32	6.66	9.80	7.11	9.68	6.96	9.01	6.73
20	---	---	---	---	9.30	6.50	10.00	7.11	9.57	7.10	9.17	6.82
21	---	---	---	---	9.30	6.58	9.74	6.89	9.42	7.34	9.20	6.85
22	---	---	---	---	9.38	6.67	9.59	6.88	9.18	7.46	8.93	6.80
23	---	---	---	---	9.45	6.67	9.48	6.86	8.99	7.03	9.05	7.05
24	---	---	---	---	9.30	6.61	9.18	7.18	9.01	7.11	8.89	7.25
25	---	---	---	---	9.00	6.76	8.75	7.11	8.84	6.86	8.97	7.39
26	---	---	---	---	8.73	6.77	8.77	7.17	8.84	6.79	9.53	7.68
27	---	---	8.99	6.73	8.69	6.89	9.01	7.28	9.09	6.95	9.92	8.63
28	---	---	8.77	6.58	8.77	7.08	8.94	6.96	9.25	7.03	10.10	8.78
29	---	---	8.22	6.33	9.10	7.10	8.96	6.98	9.25	6.91	9.28	7.54
30	---	---	8.52	6.57	9.08	6.95	9.13	6.75	9.22	6.97	9.18	7.39
31	---	---	8.74	6.81	---	---	9.44	6.84	9.28	6.97	---	---
MONTH	---	---	---	---	9.64	6.50	10.00	6.58	9.74	6.65	10.10	6.70

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March to September 1997.

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 CURRENT PERIOD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 35,500 microsiemens, Apr. 11, bottom probe maximum, 36,100 microsiemens, Apr. 11; top probe minimum, 161 microsiemens, Sept. 28; bottom probe minimum, 161 microsiemens, Sept. 28.

TEMPERATURE.--Top probe maximum, 33.7°C, June 17-20; bottom probe maximum, 33.6°C, June 18; top probe minimum, 20.2°C, Apr. 16-17; bottom probe minimum, 19.6°C, Apr. 16.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	23700	10500	---	---	23700	11800	1930	748	556	320	14200	4360
2	22700	12400	---	---	22000	10900	4830	967	614	240	15500	5650
3	27600	13900	---	---	23100	11300	7800	1170	473	303	16800	6180
4	29500	18400	---	---	24200	12200	9880	1460	545	301	14600	6320
5	30400	20200	---	---	25900	13400	---	---	346	244	13700	6320
6	31900	21500	---	---	26800	13600	---	---	317	237	---	---
7	32500	21300	---	---	26000	13500	1060	514	323	255	---	---
8	31100	20300	---	---	24000	13700	1230	561	321	260	---	---
9	31300	20400	---	---	24900	14700	1530	641	328	239	---	---
10	30600	20100	---	---	22600	14600	732	403	308	211	---	---
11	35500	21100	---	---	24000	13800	765	432	252	174	---	---
12	35400	23100	---	---	24500	16400	874	471	289	190	---	---
13	33400	22100	---	---	26600	18600	782	502	299	234	---	---
14	26200	21200	---	---	26800	18500	671	441	313	199	---	---
15	25500	18100	---	---	28400	19200	578	375	374	244	---	---
16	25900	14700	---	---	27400	16600	692	467	760	296	---	---
17	32400	16800	---	---	28500	19000	1090	458	682	262	---	---
18	---	---	---	---	29800	18100	1770	368	3560	312	---	---
19	---	---	---	---	29200	18400	390	243	5160	452	---	---
20	---	---	---	---	30200	18800	271	215	5650	616	---	---
21	---	---	---	---	29900	19400	367	259	5630	848	---	---
22	---	---	---	---	31700	19500	523	301	4680	1160	---	---
23	---	---	---	---	31300	18100	560	310	4580	1120	---	---
24	---	---	---	---	27700	7120	361	233	5140	1410	---	---
25	---	---	---	---	12500	2370	374	293	4810	1450	23100	10400
26	---	---	---	---	2890	838	397	295	5140	1540	23000	5530
27	---	---	15700	3010	1120	632	419	344	7170	1960	7180	162
28	---	---	14400	4970	793	569	424	326	8950	2490	188	161
29	---	---	13300	5180	713	533	399	261	10600	2900	278	181
30	---	---	16000	6010	974	569	398	221	11100	3610	315	205
31	---	---	17700	7990	---	---	425	271	13400	4180	---	---
MONTH	---	---	---	---	31700	533	---	---	13400	174	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	30900	20700
9	---	---	---	---	---	---	---	---	---	---	32000	20900
10	---	---	---	---	---	---	---	---	---	---	32900	22500
11	---	---	---	---	---	---	---	---	---	---	32400	21800
12	---	---	---	---	---	---	---	---	---	---	31400	21800
13	---	---	---	---	---	---	---	---	---	---	35200	21600
14	---	---	---	---	---	---	---	---	---	---	35200	23200
15	---	---	---	---	---	---	---	---	---	---	31000	19300
16	---	---	---	---	---	---	---	---	---	---	28400	11900
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	32500	17500
19	---	---	---	---	---	---	---	---	---	---	31900	20600
20	---	---	---	---	---	---	---	---	---	---	33000	21500
21	---	---	---	---	---	---	---	---	---	---	33400	21000
22	---	---	---	---	---	---	---	---	---	---	31500	10500
23	---	---	---	---	---	---	---	---	---	---	28500	7740
24	---	---	---	---	---	---	---	---	---	---	25200	8640
25	---	---	---	---	---	---	---	---	---	---	25200	11000
26	---	---	---	---	---	---	---	---	---	---	26800	9680
27	---	---	---	---	---	---	---	---	---	---	25800	10200
28	---	---	---	---	---	---	---	---	---	---	27500	9710
29	---	---	---	---	---	---	---	---	---	---	27500	11800
30	---	---	---	---	---	---	---	---	---	---	27500	11400
31	---	---	---	---	---	---	---	---	---	---	25500	13000
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	---	---	24000	11500	2080	749	554	322	14200	4330
2	---	---	---	---	22000	10800	5850	984	615	244	16000	5610
3	30700	13600	---	---	23500	11400	8020	1180	502	308	16900	5970
4	32200	19300	---	---	25000	11200	10400	1460	510	306	14900	6370
5	32600	21100	---	---	27000	12300	10500	986	349	247	13700	6230
6	34500	22500	---	---	26900	12400	986	350	320	240	13900	6920
7	34800	22200	---	---	26600	13600	1070	514	327	258	15600	7780
8	32700	20800	---	---	24600	13800	1310	563	325	258	17500	8800
9	33500	20800	---	---	26000	14800	1640	645	332	244	18500	8480
10	32500	20500	---	---	24000	14700	733	397	310	212	19500	9420
11	36100	21200	---	---	25200	14000	741	433	253	177	21700	7720
12	35600	22800	---	---	24900	14800	912	478	287	192	21500	9950
13	33200	21500	---	---	27500	17500	786	505	301	234	22300	10300
14	26100	20500	---	---	26000	17600	688	441	305	200	23600	11900
15	25400	17400	---	---	27400	17000	592	376	384	246	25900	13500
16	26700	14000	---	---	27500	17100	743	459	799	296	26700	14300
17	31600	16000	---	---	27400	16900	1510	457	872	263	25500	14000
18	---	---	---	---	29000	18200	2850	370	3730	310	24700	14000
19	---	---	---	---	30100	16900	417	246	5560	451	24200	13300
20	---	---	---	---	30600	17300	276	220	6100	613	25700	14100
21	---	---	---	---	31600	17500	367	262	6060	847	26300	15200
22	---	---	---	---	32600	19600	517	307	4760	1160	25100	15800
23	---	---	---	---	32000	18200	564	316	4700	1130	26100	15600
24	---	---	---	---	28200	7150	369	239	5190	1400	23400	12100
25	---	---	---	---	14400	2280	377	303	4860	1440	23400	10300
26	---	---	---	---	3480	832	398	298	5210	1470	25800	5950
27	---	---	15900	3020	1070	617	424	349	7890	1930	7610	163
28	---	---	14500	4980	797	574	430	332	10300	2480	188	161
29	---	---	13200	5090	690	537	402	273	11300	2890	278	182
30	---	---	16100	6250	1020	573	404	225	12400	3590	318	212
31	---	---	18000	7740	---	---	430	276	13500	4160	---	---
MONTH	---	---	---	---	32600	537	10500	220	13500	177	26700	161

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	26.4	20.2
8	---	---	---	---	---	---	---	---	---	---	26.0	22.3
9	---	---	---	---	---	---	---	---	---	---	25.5	22.8
10	---	---	---	---	---	---	---	---	---	---	26.0	23.4
11	---	---	---	---	---	---	---	---	---	---	26.9	24.3
12	---	---	---	---	---	---	---	---	---	---	26.9	23.8
13	---	---	---	---	---	---	---	---	---	---	26.4	24.6
14	---	---	---	---	---	---	---	---	---	---	25.9	24.3
15	---	---	---	---	---	---	---	---	---	---	25.5	23.1
16	---	---	---	---	---	---	---	---	---	---	25.5	21.6
17	---	---	---	---	---	---	---	---	---	---	26.4	21.6
18	---	---	---	---	---	---	---	---	---	---	26.4	23.1
19	---	---	---	---	30.6	28.2	---	---	---	---	26.3	23.5
20	---	---	---	---	30.3	---	---	---	---	---	26.0	23.9
21	---	---	---	---	33.7	---	---	---	---	---	25.5	24.1
22	---	---	---	---	---	---	---	---	---	---	25.8	23.1
23	---	---	---	---	---	---	---	---	---	---	25.1	23.1
24	---	---	---	---	---	---	---	---	---	---	27.3	22.3
25	---	---	---	---	---	---	---	---	---	---	26.4	22.3
26	---	---	---	---	---	---	---	---	---	---	26.4	23.9
27	---	---	---	---	---	---	---	---	---	---	27.3	23.4
28	---	---	---	---	---	---	---	---	---	---	27.8	24.3
29	---	---	---	---	---	---	---	---	---	---	27.8	25.1
30	---	---	---	---	---	---	---	---	---	---	28.8	24.7
31	---	---	---	---	---	---	---	---	---	---	28.3	25.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	26.1	22.7	---	---	29.8	29.2	31.0	29.2	30.8	29.2	31.3	29.2
2	26.1	22.3	---	---	30.3	28.2	31.9	29.7	29.8	28.7	30.9	28.3
3	26.4	22.4	---	---	30.8	28.2	33.1	30.3	29.8	27.7	31.4	29.7
4	25.5	22.7	---	---	30.6	28.2	33.7	31.3	29.2	27.8	32.5	29.7
5	25.5	23.1	---	---	30.3	28.2	---	---	29.7	27.8	31.3	29.7
6	26.4	23.9	---	---	30.3	27.7	---	---	31.6	27.8	29.7	27.7
7	26.9	25.4	---	---	30.8	28.2	32.5	29.2	30.8	28.2	29.2	27.3
8	27.3	24.7	---	---	29.7	28.2	32.0	30.2	31.4	27.8	30.0	26.9
9	26.4	24.3	---	---	28.7	27.3	32.0	30.2	30.7	29.2	31.4	27.3
10	26.0	23.9	---	---	29.8	26.8	31.4	29.7	30.4	28.2	31.4	28.7
11	25.1	23.1	---	---	30.3	27.8	30.3	29.2	31.4	28.2	31.9	29.2
12	25.1	22.7	---	---	30.8	28.2	30.8	28.7	31.9	28.2	31.4	28.7
13	25.5	24.3	---	---	30.8	29.2	31.9	29.3	32.1	29.7	31.9	28.7
14	25.5	22.1	---	---	31.9	29.7	31.4	29.2	31.4	29.0	31.4	29.2
15	22.4	21.3	---	---	31.9	29.9	33.1	28.2	31.9	29.7	30.8	29.2
16	23.5	20.2	---	---	33.1	30.3	33.1	28.4	32.5	29.7	30.4	28.9
17	23.9	20.2	---	---	33.7	31.3	33.1	28.0	32.7	29.2	30.8	29.2
18	---	---	---	---	33.7	31.4	32.6	29.2	31.9	29.7	30.3	29.1
19	---	---	---	---	33.7	31.9	29.8	27.3	32.6	30.2	30.8	28.7
20	---	---	---	---	33.7	31.9	29.2	26.8	33.1	30.8	31.4	29.1
21	---	---	---	---	33.1	31.3	29.8	27.3	33.1	31.9	31.9	29.2
22	---	---	---	---	32.4	31.0	30.8	27.9	33.1	31.3	31.9	29.1
23	---	---	---	---	31.9	29.7	30.8	28.7	32.2	30.8	31.9	29.6
24	---	---	---	---	31.4	27.3	31.8	28.2	33.1	30.7	31.9	29.2
25	---	---	---	---	29.8	26.4	31.9	29.7	32.5	30.8	31.9	29.2
26	---	---	---	---	29.8	27.3	30.3	29.2	32.5	30.2	31.3	27.3
27	---	---	31.7	29.2	30.8	27.7	30.8	29.2	32.5	30.2	27.8	25.5
28	---	---	31.9	29.7	31.4	28.7	30.8	29.2	33.7	30.0	27.3	25.9
29	---	---	31.2	28.7	31.1	28.6	31.4	29.2	33.6	30.2	28.0	26.4
30	---	---	31.4	28.7	31.8	28.3	31.4	28.7	33.7	30.2	29.8	25.9
31	---	---	31.4	28.7	---	---	31.4	28.7	33.0	30.2	---	---
MONTH	---	---	---	---	33.7	26.4	---	---	33.7	27.7	32.5	25.5

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300021 MANATEE RIVER AT FORT HAMER, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD MARCH TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	25.7	22.4
9	---	---	---	---	---	---	---	---	---	---	25.2	23.1
10	---	---	---	---	---	---	---	---	---	---	25.7	23.6
11	---	---	---	---	---	---	---	---	---	---	26.6	24.0
12	---	---	---	---	---	---	---	---	---	---	27.0	23.9
13	---	---	---	---	---	---	---	---	---	---	26.1	24.4
14	---	---	---	---	---	---	---	---	---	---	25.6	24.0
15	---	---	---	---	---	---	---	---	---	---	25.2	22.8
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	26.1	22.8
19	---	---	---	---	---	---	---	---	---	---	26.1	23.2
20	---	---	---	---	---	---	---	---	---	---	25.7	23.9
21	---	---	---	---	---	---	---	---	---	---	25.2	24.0
22	---	---	---	---	---	---	---	---	---	---	25.7	22.8
23	---	---	---	---	---	---	---	---	---	---	25.2	22.8
24	---	---	---	---	---	---	---	---	---	---	27.0	22.4
25	---	---	---	---	---	---	---	---	---	---	26.1	22.4
26	---	---	---	---	---	---	---	---	---	---	26.1	23.6
27	---	---	---	---	---	---	---	---	---	---	27.0	23.2
28	---	---	---	---	---	---	---	---	---	---	27.5	24.2
29	---	---	---	---	---	---	---	---	---	---	27.5	25.2
30	---	---	---	---	---	---	---	---	---	---	27.5	24.8
31	---	---	---	---	---	---	---	---	---	---	28.0	25.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	---	---	29.7	28.9	30.9	29.0	30.5	28.9	31.0	28.9
2	---	---	---	---	30.0	27.9	31.6	29.4	29.5	28.4	30.6	28.4
3	---	---	---	---	30.5	27.9	32.8	30.0	29.5	27.5	31.1	29.4
4	25.2	22.4	---	---	30.5	27.9	33.4	31.0	28.9	27.5	32.2	29.5
5	25.2	22.8	---	---	30.0	27.9	31.6	28.9	29.5	27.9	31.0	29.4
6	26.1	23.8	---	---	30.0	27.5	31.2	28.4	31.0	27.5	29.4	27.4
7	26.6	25.2	---	---	30.5	27.9	31.6	28.9	30.0	27.9	29.1	27.0
8	27.0	24.8	---	---	29.4	27.9	31.6	29.9	30.6	27.5	30.0	26.8
9	---	---	---	---	28.4	27.0	31.7	29.9	30.0	28.9	31.1	27.1
10	---	---	---	---	29.5	27.0	31.0	29.4	30.0	27.9	31.2	28.4
11	---	---	---	---	29.9	27.5	30.0	28.9	31.1	27.9	31.6	28.9
12	24.8	22.4	---	---	30.0	27.9	30.5	28.4	31.6	28.4	31.1	28.4
13	25.2	24.0	---	---	30.5	28.9	31.1	29.3	30.5	29.4	31.6	28.4
14	25.2	21.8	---	---	31.6	28.9	31.1	28.9	31.1	28.5	31.1	28.9
15	---	---	---	---	31.7	29.9	31.3	27.9	31.6	29.4	30.5	28.9
16	23.2	19.6	---	---	32.8	30.0	32.8	28.4	32.1	29.4	30.4	28.8
17	23.6	19.9	---	---	33.4	31.0	32.2	27.6	32.2	28.9	30.5	28.9
18	---	---	---	---	33.6	31.1	31.9	28.9	31.6	29.4	30.0	28.4
19	---	---	---	---	33.4	31.6	29.5	27.0	32.6	29.9	30.5	28.4
20	---	---	---	---	33.4	31.6	28.4	26.5	32.8	30.7	31.1	28.9
21	---	---	---	---	32.8	31.0	29.0	27.0	32.8	31.6	31.6	28.9
22	---	---	---	---	32.2	31.0	30.5	27.5	32.8	31.0	31.6	28.9
23	---	---	---	---	31.6	29.4	30.5	28.4	32.2	30.5	31.6	29.4
24	---	---	---	---	31.1	27.0	31.1	27.9	32.8	30.5	31.6	28.9
25	---	---	---	---	29.4	26.1	31.6	29.4	32.2	30.5	31.6	28.9
26	---	---	---	---	29.5	27.0	30.0	28.9	32.2	30.3	31.0	27.4
27	---	---	31.6	28.9	30.0	27.4	30.0	29.1	32.2	29.9	27.6	25.2
28	---	---	31.6	29.4	31.1	28.4	30.5	28.9	33.4	29.6	27.4	25.7
29	---	---	31.0	28.4	30.4	28.4	31.1	28.9	32.3	29.9	28.0	26.1
30	---	---	31.1	28.4	30.5	28.1	30.6	28.7	33.4	30.0	27.7	25.6
31	---	---	31.1	28.4	---	---	31.1	28.4	32.5	29.9	---	---
MONTH	---	---	---	---	33.6	26.1	33.4	26.5	33.4	27.5	32.2	25.2

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300032 BRADEN RIVER NEAR LORRAINE, FL

LOCATION.--Lat 27°25'20", long 82°25'00", in SE 1/4 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 mi².

WATER-DISCHARGE RECORDS

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	e1.2	.78	e.39	.55	.60	.28	46	.92	106	69	8.3
2	1.6	e1.2	1.1	e.37	.48	.45	.27	26	.93	70	54	9.2
3	1.6	e1.1	1.3	e.35	.42	.34	.25	16	.94	54	83	9.7
4	1.6	e1.0	1.7	.34	.38	.31	.24	12	e.87	41	96	9.5
5	1.7	e.98	1.7	.33	.37	.29	.22	8.9	e.82	61	87	8.9
6	1.8	e.96	1.5	.32	.35	.28	.22	6.7	e.80	220	108	8.2
7	2.5	e.93	1.3	.31	.35	.28	.22	5.1	e.78	300	96	7.6
8	15	e.90	1.5	.31	.35	.28	.22	3.9	e.76	154	71	7.1
9	67	e.87	1.5	.42	.38	.28	.22	3.1	e.76	97	76	6.8
10	49	e.84	1.5	.56	.43	.28	.22	2.6	.87	82	118	6.4
11	31	e.80	1.4	.66	.41	.26	.22	2.1	1.0	108	304	6.2
12	21	e.76	1.3	.77	.35	.25	.31	3.1	1.5	144	154	6.0
13	15	e.74	1.2	.74	.33	.25	.46	17	1.3	133	91	6.0
14	11	e.73	1.2	.78	.32	.38	.59	23	1.9	113	62	6.0
15	8.3	e.72	1.1	.75	.31	.47	.86	12	1.8	106	49	6.2
16	6.7	e.71	1.0	.74	.31	.65	1.1	7.3	1.6	111	41	6.2
17	6.4	e.70	.95	.69	.31	.66	1.7	5.6	1.2	78	33	6.1
18	6.8	e.69	.90	.61	.29	.49	1.3	4.6	.92	57	29	6.0
19	7.3	e.68	.85	.55	.28	.34	.74	3.9	.73	51	25	5.8
20	6.2	e.67	.82	.49	.28	.31	.43	3.5	.67	119	22	5.6
21	4.9	e.66	.81	.48	.29	.35	.32	2.8	.63	150	19	5.4
22	4.1	e.65	.76	.50	.31	.31	.25	2.3	.63	102	18	5.3
23	3.4	e.64	.70	.45	.31	.31	1.2	2.0	2.0	75	18	6.3
24	2.9	e.63	.66	.41	.30	.31	12	2.9	104	68	17	22
25	2.4	.62	.62	.42	.28	.29	20	6.7	426	94	17	36
26	2.1	.66	.57	.51	.29	.31	28	4.4	305	177	17	29
27	1.8	.67	e.53	.65	.49	.31	98	2.9	194	182	14	602
28	1.6	.68	e.50	.72	.73	.28	83	2.1	130	180	10	1170
29	1.5	.72	e.47	.71	---	.28	150	1.7	233	115	9.5	516
30	1.4	.69	e.44	.66	---	.28	97	1.4	192	121	8.9	190
31	e1.3	---	e.41	.61	---	.30	---	1.1	---	105	8.4	---
TOTAL	290.5	23.80	31.07	16.60	10.25	10.78	499.84	242.7	1608.33	3574	1824.8	2723.8
MEAN	9.37	.79	1.00	.54	.37	.35	16.7	7.83	53.6	115	58.9	90.8
MAX	67	1.2	1.7	.78	.73	.66	150	46	426	300	304	1170
MIN	1.3	.62	.41	.31	.28	.25	.22	1.1	.63	41	8.4	5.3
CFSM	.36	.03	.04	.02	.01	.01	.65	.30	2.08	4.47	2.28	3.52
IN.	.42	.03	.04	.02	.01	.02	.72	.35	2.32	5.15	2.63	3.93

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	30.9	8.94	4.83	15.2	11.5	13.0	22.1	21.4	60.1
MAX	114	43.3	15.6	50.9	31.9	25.0	61.6	154	264
(WY)	1991	1996	1990	1993	1992	1993	1991	1992	1991
MIN	4.68	.79	1.00	.54	.37	.35	3.13	2.83	6.05
(WY)	1989	1997	1997	1997	1997	1997	1989	1992	1993

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	4157.65	10856.47	
ANNUAL MEAN	11.4	29.7	33.9
HIGHEST ANNUAL MEAN			58.9
LOWEST ANNUAL MEAN			17.0
HIGHEST DAILY MEAN	195	Jun 22	2930
LOWEST DAILY MEAN	.41	Dec 31	.12
ANNUAL SEVEN-DAY MINIMUM	.51	Dec 25	.21
INSTANTANEOUS PEAK FLOW			3120
INSTANTANEOUS PEAK STAGE			27.90
ANNUAL RUNOFF (CFSM)	.44		1.32
ANNUAL RUNOFF (INCHES)	5.99		17.87
10 PERCENT EXCEEDS	30		79
50 PERCENT EXCEEDS	3.6		6.5
90 PERCENT EXCEEDS	.84		1.3

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300032 BRADEN RIVER NEAR LORRAINE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
NOV 22...	1100	10.78	E0.65	--	--	30	56	15	11
JAN 10...	1207	10.75	0.53	--	--	30	72	29	14
APR 02...	1500	10.65	0.28	541	21.0	20	59	19	13
AUG 19...	0900	11.97	25	237	27.0	160	22	8.2	9.5

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV 22...	3.0	78	17	0.20	8.1	306	320	<0.010	0.020
JAN 10...	5.7	130	20	0.20	5.3	362	360	<0.010	0.030
APR 02...	6.0	140	22	0.20	2.6	354	410	<0.010	<0.020
AUG 19...	3.7	36	16	0.20	7.1	182	--	0.014	0.060

DATE	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
NOV 22...	0.030	0.94	0.340	0.150	1700	46	--	--
JAN 10...	<0.010	0.41	0.110	0.120	5600	29	--	--
APR 02...	0.010	0.48	0.180	0.140	3100	37	--	--
AUG 19...	0.060	0.95	0.400	0.310	1200	18	-4.3	-1.45

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300034 HICKORY HAMMOCK CREEK NEAR LORRAINE, FL

LOCATION.--Lat 27°25'18", long 82°25'56", in SW¹/₄ 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 mi².

WATER-DISCHARGE RECORDS

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.48	.39	.73	.31	.30	.28	2.9	.52	2.6	3.1	1.4
2	.37	.46	.53	.52	.31	.30	.28	2.0	.55	2.5	3.4	1.6
3	.36	.46	.47	.33	.31	.29	.27	1.5	.50	2.3	5.4	1.3
4	.33	.44	.37	.32	.31	.30	.27	1.2	.43	2.5	5.5	1.4
5	.32	.42	.33	.32	.31	.30	.25	.94	.44	3.4	5.7	1.7
6	.38	.38	.33	.32	.31	.29	.23	.79	.49	4.2	7.7	1.8
7	.68	.38	.36	.32	.31	.29	.25	.71	.46	3.2	5.7	1.6
8	2.1	.32	.41	.74	.31	.29	.22	.67	.47	2.8	4.3	1.2
9	1.2	.32	.36	.90	.30	.29	.27	.65	.76	2.7	3.8	.87
10	1.1	.38	.38	1.6	.31	.29	.26	.63	.62	2.6	15	.85
11	.78	.34	.33	.49	.31	.29	.25	.57	.57	3.3	25	.81
12	.54	.32	.33	.38	.31	.29	.30	2.4	.50	7.4	16	.74
13	.45	.31	.33	.34	.31	.29	.28	4.3	.49	7.0	9.7	.76
14	.43	.31	.33	.45	.30	.34	.30	1.7	.53	4.1	6.2	.70
15	.38	.32	.32	.45	.31	.31	.32	1.1	.49	4.4	4.2	.67
16	.44	.33	.32	.42	.31	.30	.31	.89	.45	4.7	3.6	.69
17	.50	.33	.32	.36	.31	.30	.30	.79	.43	3.7	3.9	.62
18	.55	.33	.32	.32	.31	.30	.28	.71	.42	3.2	8.8	.57
19	.58	.32	.32	.31	.30	.30	.28	.63	.40	5.5	6.0	.54
20	.50	.32	.35	.31	.30	.30	.28	.77	.45	20	4.2	.49
21	.44	.32	.54	.31	.30	.70	.28	.67	.43	14	3.6	.43
22	.44	.32	.60	.31	.29	.42	.27	.50	.46	9.3	3.2	.41
23	.53	.31	.41	.31	.29	.31	2.3	.62	2.6	7.2	2.5	.84
24	.49	.31	.32	.31	.29	.30	3.2	1.5	4.1	4.9	2.2	.82
25	.58	.31	.39	.31	.30	.29	.64	1.4	10	4.6	2.0	.77
26	.57	.32	.45	.31	.31	.30	18	.88	6.0	3.9	2.0	6.5
27	.50	.31	.34	.31	.30	.29	13	.69	3.9	3.7	1.9	106
28	.44	.31	.32	.31	.30	.28	18	.69	3.1	3.2	1.6	95
29	.46	.31	.76	.31	---	.28	14	.71	3.9	3.1	1.5	41
30	.47	.31	.95	.31	---	.27	4.7	.57	3.0	3.1	1.4	18
31	.46	---	1.1	.31	---	.29	---	.55	---	3.6	1.3	---
TOTAL	17.67	10.40	13.38	13.34	8.54	9.69	79.87	34.63	47.46	152.7	170.4	290.08
MEAN	.57	.35	.43	.43	.31	.31	2.66	1.12	1.58	4.93	5.50	9.67
MAX	2.1	.48	1.1	1.6	.31	.70	18	4.3	10	20	25	106
MIN	.30	.31	.32	.31	.29	.27	.22	.50	.40	2.3	1.3	.41
CFSM	.24	.14	.18	.18	.13	.13	1.11	.47	.66	2.05	2.29	4.03
IN.	.27	.16	.21	.21	.13	.15	1.24	.54	.74	2.37	2.64	4.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	MEAN	2.98	.72	.69	1.85	1.18	1.16	1.91	1.17	3.81	4.55	6.46	6.78
MAX	8.61	3.56	2.29	8.36	2.50	2.70	5.87	5.12	19.1	11.3	17.3	17.5	
(WY)	1991	1996	1990	1993	1993	1996	1993	1991	1992	1991	1995	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	643.21	848.16	
ANNUAL MEAN	1.76	2.32	2.78
HIGHEST ANNUAL MEAN			4.08
LOWEST ANNUAL MEAN			1.45
HIGHEST DAILY MEAN	65 Jun 21	106 Sep 27	247 Jun 26 1992
LOWEST DAILY MEAN	.22 Sep 6	.22 Apr 8	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.23 Sep 1	.25 Apr 5	.00 Jan 8 1991
INSTANTANEOUS PEAK FLOW		130 Sep 27	280 Jun 26 1992
INSTANTANEOUS PEAK STAGE		14.96 Sep 27	18.45 Jun 26 1992
ANNUAL RUNOFF (CFSM)	.73	.97	1.16
ANNUAL RUNOFF (INCHES)	9.97	13.15	15.73
10 PERCENT EXCEEDS	2.9	4.3	6.2
50 PERCENT EXCEEDS	.64	.46	.62
90 PERCENT EXCEEDS	.31	.30	.15

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300034 HICKORY HAMMOCK CREEK NEAR LORRAINE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)
OCT 02...	1251	7.36	0.37	--	--	20	58	7.3	12
NOV 18...	1425	7.36	0.33	--	--	10	78	21	19
JAN 14...	1038	7.38	0.45	--	--	30	73	10	13
APR 01...	1320	7.32	0.28	505	19.0	20	71	10	12
AUG 19...	1055	7.75	6.0	330	27.5	160	36	9.0	14

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SI02 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)
OCT 02...	2.7	49	20	0.30	7.6	270	280	<0.010	0.140
NOV 18...	3.8	140	25	0.20	8.2	378	380	<0.010	0.060
JAN 14...	2.6	110	31	0.30	9.8	352	350	0.020	0.240
APR 01...	2.0	72	23	0.30	8.1	290	350	<0.010	0.100
AUG 19...	5.5	52	24	0.20	5.6	244	--	0.015	0.070

DATE	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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	H-2 / H-1 STABLE ISOTOPE PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE PER MIL (82085)
OCT 02...	<0.010	0.35	0.080	0.080	520	44	--	--
NOV 18...	0.020	0.26	0.040	0.050	2700	38	--	--
JAN 14...	0.020	0.42	0.060	0.070	760	34	--	--
APR 01...	0.020	0.27	0.120	0.090	710	49	--	--
AUG 19...	0.050	1.1	0.150	0.130	890	19	-2.7	-1.37

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300035.5 COOPER CREEK AT UNIVERSITY PARKWAY NEAR SARASOTA, FL

LOCATION.--Lat 27°23'18", long 82°27'35", in SW¹/₄ 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 Route 75, 2.2 mi upstream from Braden River, and 3.5 mi southeast of Sarasota.

DRAINAGE AREA.--9.33 mi².

WATER-DISCHARGE RECORDS

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	.50	e.38	e.00	e.00	.00	.00	16	5.4	3.5	6.2	3.8
2	.96	.50	3.0	e.00	e.00	.00	.00	15	4.8	3.3	7.2	4.8
3	1.2	.44	1.6	e.00	e.00	.00	.00	15	4.2	3.0	11	4.2
4	1.9	e.36	.93	e.00	e.00	.00	.00	12	3.7	2.8	9.4	4.4
5	1.6	e.28	.57	e.00	e.00	.00	.00	9.7	3.2	2.7	11	3.7
6	2.6	e.22	.50	e.00	e.00	.00	.00	7.7	3.0	2.5	18	3.1
7	5.9	e.16	.55	e.00	e.00	.00	.00	6.4	2.9	2.3	16	3.0
8	11	e.10	.86	e.01	e.00	.00	.00	5.3	3.1	2.8	17	3.0
9	20	e.06	.67	e.38	e.00	.00	.00	4.5	3.5	3.5	31	2.9
10	23	e.03	.50	.76	e.00	.00	.00	3.6	3.3	3.5	30	2.9
11	18	e.03	.40	.64	e.00	.00	.00	2.9	3.2	4.4	22	2.9
12	11	e.02	e.28	.40	e.00	.00	.00	4.7	3.2	e4.1	16	2.9
13	7.0	e.02	e.21	.40	e.00	.00	.00	6.5	3.1	e7.0	20	2.9
14	5.8	e.01	e.16	1.2	e.00	.00	.00	5.2	3.1	e4.5	33	2.9
15	4.8	e.01	e.09	1.2	e.00	.10	.00	4.8	3.0	e3.2	23	3.1
16	3.8	e.01	e.06	.82	e.00	.02	.02	4.5	3.0	e3.5	22	3.0
17	4.1	e.00	e.04	.61	e.00	.01	.10	4.2	3.0	e3.0	15	3.0
18	4.7	e.00	e.03	.40	e.00	.01	.02	3.7	2.9	e2.8	13	2.9
19	4.5	e.00	e.02	e.01	e.00	.00	.00	3.9	2.9	e2.5	11	2.9
20	3.9	e.00	e.02	e.00	e.00	.00	.00	4.1	2.8	e3.0	8.6	2.9
21	3.7	e.00	e.01	e.00	e.00	.00	.00	3.5	2.7	e4.5	7.1	2.9
22	3.7	e.00	e.01	e.00	e.00	.00	.00	3.0	2.7	e8.0	6.8	2.9
23	3.4	e.00	e.01	e.00	e.00	.00	3.4	5.2	2.7	8.1	6.1	3.1
24	2.6	e.00	e.00	e.00	e.00	.00	6.4	8.9	2.9	6.3	5.5	3.0
25	1.7	e.00	e.00	e.00	e.00	.00	2.4	9.1	3.9	8.8	5.1	3.0
26	1.6	e.00	e.00	e.00	e.00	.00	5.4	8.7	5.2	8.1	4.8	8.3
27	1.4	e.00	e.00	e.00	e.00	.00	4.9	8.7	3.8	7.7	3.8	106
28	1.1	e.00	e.00	e.00	.00	.00	11	8.5	3.6	7.5	3.1	98
29	.84	e.00	e.00	e.00	---	.00	14	8.7	3.7	7.0	2.8	68
30	.67	e.00	e.00	e.00	---	.00	14	7.1	3.8	7.0	3.0	66
31	.55	---	e.00	e.00	---	.00	---	6.1	---	6.9	3.3	---
TOTAL	157.60	2.75	10.90	6.83	0.00	0.14	61.64	217.2	102.3	147.8	391.8	426.4
MEAN	5.08	.092	.35	.22	.000	.005	2.05	7.01	3.41	4.77	12.6	14.2
MAX	23	.50	3.0	1.2	.00	.10	14	16	5.4	8.8	33	106
MIN	.55	.00	.00	.00	.00	.00	.00	2.9	2.7	2.3	2.8	2.9
CFSM	.54	.01	.04	.02	.00	.00	.22	.75	.37	.51	1.35	1.52
IN.	.63	.01	.04	.03	.00	.00	.25	.87	.41	.59	1.56	1.70

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	13.2	4.56	2.58	4.87	3.80	2.90	4.94	4.63	8.61
MAX	21.1	13.5	6.10	11.7	6.64	7.24	14.9	20.1	22.0
(WY)	1991	1996	1996	1996	1995	1992	1993	1991	1996
MIN	5.08	.092	.35	.22	.000	.005	.17	.060	.14
(WY)	1997	1997	1997	1997	1997	1997	1989	1989	1994

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	1936.03	1525.36	
ANNUAL MEAN	5.29	4.18	8.63
HIGHEST ANNUAL MEAN			12.6
LOWEST ANNUAL MEAN			4.18
HIGHEST DAILY MEAN	110	Jun 22	240
LOWEST DAILY MEAN	.00	Many Days	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Nov 17	.00
INSTANTANEOUS PEAK FLOW			258
INSTANTANEOUS PEAK STAGE			20.92
ANNUAL RUNOFF (CFSM)	.57	.45	.93
ANNUAL RUNOFF (INCHES)	7.72	6.08	12.57
10 PERCENT EXCEEDS	13	8.8	24
50 PERCENT EXCEEDS	1.6	1.7	4.0
90 PERCENT EXCEEDS	.04	.00	.06

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300035.5 COOPER CREEK AT UNIVERSITY PARKWAY NEAR SARASOTA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 01...	1021	15.26	0.58	--	--	20	52	6.0	13	3.8	39	17
AUG 20...	0945	16.32	8.7	482	29.5	40	65	10	16	4.4	100	20

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 01...	0.30	5.6	234	270	0.010	0.050	0.350	1.0	0.180	0.120	570	47
AUG 20...	0.20	2.2	352	--	0.038	0.240	0.130	1.0	0.300	0.270	880	11

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300036 TRIBUTARY NO. 1 TO COOPER CREEK NEAR LORRAINE, FL

LOCATION.--Lat 27°24'18", long 82°26'32", in SW 1/4 sec.30, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on right bank, 0.4 mi upstream from mouth, 1.0 mi southeast of Braden River bridge on Interstate Highway 75, and 3.3 mi southwest of Lorraine.

DRAINAGE AREA.--4.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1993 to April 1994 (annual maximum); May 1994 to September 1997 (discontinued).

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

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.79	1.6	.48	.45	e.37	e.01	7.6	.86	3.7	2.1	.78
2	.58	1.2	1.8	.47	.45	e.36	e.00	4.6	.83	2.9	2.4	1.4
3	.60	.65	1.2	.45	.45	e.35	e.00	2.9	.83	2.7	2.8	1.7
4	.65	.58	.93	.48	.45	e.34	e.00	2.0	.83	2.1	2.6	1.5
5	.64	.58	.54	.48	.45	e.33	e.00	1.4	.80	1.9	5.9	1.4
6	.68	.63	.56	.46	.45	e.32	e.00	1.0	.80	2.4	17	1.1
7	2.8	.79	.54	.45	.45	e.32	e.00	.85	.80	2.2	18	.83
8	12	.68	.54	.47	.45	e.31	e.00	.80	.80	2.0	15	.77
9	15	.68	.54	.47	.45	e.30	e.00	.79	.80	1.4	19	.75
10	9.5	.63	.69	.45	.45	e.29	e.00	.76	.82	6.5	17	.73
11	4.4	.65	.58	.45	.45	e.28	e.00	.76	.80	7.5	10	.73
12	2.6	.74	.54	.47	e.44	e.27	e.00	.76	.80	8.0	7.2	.73
13	1.7	.58	.52	.49	e.44	e.25	e.00	3.8	.80	11	5.8	.73
14	1.2	.58	.53	.53	e.44	e.23	e.00	6.9	.80	5.7	3.7	.73
15	.91	.60	.54	.59	e.44	e.22	e.00	3.8	.91	3.6	2.4	.72
16	.82	.74	.53	.54	e.44	e.21	e.00	2.3	.85	3.7	2.0	.72
17	2.0	.60	.51	.53	e.44	e.20	e.00	1.7	.83	4.6	1.6	.72
18	2.4	.60	.53	.50	e.43	e.19	e.00	1.3	.80	3.2	3.0	.72
19	2.1	.59	.54	.48	e.43	e.17	e.00	1.1	.80	2.6	3.2	.84
20	1.5	.58	.52	.48	e.43	e.16	e.00	1.4	.80	3.3	2.6	1.1
21	1.1	.83	.51	.47	e.43	e.15	e.00	1.6	.80	2.9	2.8	.77
22	.83	1.8	.51	.46	e.41	e.13	e.00	1.2	.79	2.3	3.1	.73
23	.71	1.8	.52	.45	e.40	e.11	e.01	.92	1.0	2.3	2.7	.72
24	.89	1.8	.50	.45	e.40	e.10	1.4	3.4	12	2.7	2.1	.72
25	1.2	1.7	.50	.45	e.39	e.08	1.6	8.2	33	12	1.9	.66
26	.80	1.8	.50	.45	e.38	e.07	8.0	4.7	44	12	1.7	3.9
27	.71	1.6	.48	.45	e.38	e.06	26	2.7	29	5.8	1.5	98
28	.66	1.5	.48	.45	e.38	e.05	24	1.8	15	3.3	1.1	112
29	.65	1.3	.48	.45	---	e.04	33	1.4	8.2	2.4	.80	62
30	.65	1.2	.46	.45	---	e.03	19	.98	5.8	2.1	.76	29
31	.66	---	.48	.45	---	e.02	---	.88	---	2.5	.76	---
MEAN	2.30	.96	.64	.47	.43	.20	3.77	2.40	5.53	4.24	5.24	10.9
MAX	15	1.8	1.8	.59	.45	.37	33	8.2	44	12	19	112
MIN	.45	.58	.46	.45	.38	.02	.00	.76	.79	1.4	.76	.66
CFSM	.54	.22	.15	.11	.10	.05	.88	.56	1.29	.98	1.22	2.54
IN.	.62	.25	.17	.13	.10	.05	.98	.64	1.44	1.14	1.41	2.83

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	5.07	3.75	.98	2.59	.88	1.17	2.84	2.07	9.81	11.3	8.69	8.43
MAX	8.46	7.13	1.32	3.90	1.13	2.58	3.77	3.63	15.7	27.0	20.3	14.0
(WY)	1995	1996	1995	1996	1995	1996	1997	1996	1995	1995	1995	1995
MIN	2.30	.96	.64	.47	.43	.20	1.99	.18	5.53	2.77	.54	.35
(WY)	1997	1997	1997	1997	1997	1997	1995	1995	1997	1996	1996	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL MEAN	3.09		3.09		4.81	
HIGHEST ANNUAL MEAN					7.54	
LOWEST ANNUAL MEAN					3.09	
HIGHEST DAILY MEAN	120	Jun 21	112	Sep 28	120	Jun 21 1996
LOWEST DAILY MEAN	.11	Aug 27	.00	Many Days	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.16	Aug 30	.00	Apr 2	.00	Apr 2 1997
INSTANTANEOUS PEAK FLOW			127	Sep 27	140	Jul 31 1993
INSTANTANEOUS PEAK STAGE			14.65	Sep 27	14.65	Sep 27 1997
ANNUAL RUNOFF (CFSM)	.72		.72		1.12	
ANNUAL RUNOFF (INCHES)	9.79		9.75		15.21	
10 PERCENT EXCEEDS	5.2		5.8		11	
50 PERCENT EXCEEDS	1.1		.75		1.1	
90 PERCENT EXCEEDS	.36		.18		.21	

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300036 TRIBUTARY NO. 1 TO COOPER CREEK NEAR LORRAINE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1994 to 1997 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED AS CA (00915)	MAGNE- SIUM, DIS- SOLVED AS MG (00925)
OCT 03...	1354	8.22	0.57	408	7.2	26.0	20	58	6.9
NOV 18...	1500	8.35	0.60	--	--	--	70	110	12
JAN 09...	1240	8.20	0.48	--	--	--	50	120	24
AUG 19...	1120	8.70	3.3	524	--	27.0	120	69	13

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT 03...	15	2.9	57	20	0.30	6.6	294	280	<0.010
NOV 18...	29	3.0	82	36	0.50	10	494	490	<0.010
JAN 09...	24	5.1	260	36	0.20	8.2	616	630	<0.010
AUG 19...	16	4.7	90	26	0.30	9.1	384	--	0.012

DATE	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 03...	0.030	0.020	0.71	0.040	0.050	680	49	--	--
NOV 18...	<0.020	0.020	0.73	0.070	0.070	1100	80	--	--
JAN 09...	<0.020	0.020	0.70	0.060	0.060	2500	44	--	--
AUG 19...	0.030	0.030	0.98	0.180	0.170	1400	20	-1.6	-0.58

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300037 CEDAR CREEK NEAR SARASOTA, FL

LOCATION.--Lat 27°24'51", long 82°28'53", in NE 1/4 sec.27, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, at Palm Aire Country Club sub-division, 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 mi².

WATER-DISCHARGE RECORDS

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 poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	.75	1.9	.26	.50	.31	e.35	e4.6	e.86	e4.5	e6.0	e2.3
2	4.6	.73	4.0	.24	.42	.31	e.36	e3.5	e.80	e4.0	e5.4	e2.5
3	3.6	.66	1.2	.33	.37	.30	e.37	e2.5	e.78	e3.6	e9.0	e2.9
4	2.9	.66	.86	.33	.39	.30	e.37	e2.0	e.80	e3.8	e9.8	e2.4
5	2.3	.63	.68	.27	.37	.30	e.37	e1.5	e.74	e5.0	e10	e2.7
6	2.6	.61	.61	.25	.36	.31	e.33	e1.3	e.64	e5.8	e13	e3.0
7	6.7	.59	.67	.24	.37	.29	e.32	e1.2	e.66	e6.8	e11	e3.2
8	29	.63	1.3	.24	.37	.29	e.31	e1.1	e.74	e4.7	e8.4	e2.4
9	13	.54	.85	.68	.34	.30	e.37	e1.0	e.70	e4.5	e7.0	e1.9
10	6.7	.47	.59	1.9	.36	.42	e.30	e.95	e.70	e4.2	e45	e1.6
11	4.0	.45	.48	.88	.40	.45	e.31	e.90	e1.1	e6.4	e32	e1.5
12	2.4	.43	.41	.62	.41	.42	e.35	e.80	e.90	e12	e20	e1.5
13	1.9	.50	.40	.50	.39	.38	e.34	e6.0	e.80	e11	e12	e1.4
14	1.7	.55	.39	.85	.37	.78	e.40	e4.1	e.74	e6.6	e9.8	e1.3
15	1.6	.48	.40	.78	.38	.88	e.39	e2.7	e.70	e7.0	e7.6	e1.3
16	1.6	.42	.37	.67	.37	.57	e.38	e1.5	e.70	e7.8	e6.2	e1.2
17	4.2	.39	.39	.53	.37	.44	e.39	e1.3	e.74	e6.4	e6.6	e1.3
18	7.5	.36	.37	.44	.42	.39	e.42	e1.1	e.70	e5.2	e15	e1.2
19	4.3	.34	.30	.44	.41	.39	e.41	e1.0	e.64	e33	e10	e1.1
20	2.4	.26	.27	.48	.38	.39	e.38	e.90	e.60	e22	e7.4	e1.0
21	1.7	.22	.25	.40	.36	.90	e.38	e.96	e.70	e13	e6.0	e.80
22	1.4	.24	.24	.36	.32	1.1	e.38	e1.1	e5.0	e11	e5.6	e.60
23	1.9	.20	.23	.36	.30	1.4	e4.0	e.90	e9.0	e10	e4.8	e1.0
24	1.2	.17	.25	.34	.29	1.4	e6.0	e.82	e15	e8.6	e4.3	e.92
25	1.0	.16	.27	.47	.29	.81	e3.5	e1.0	e8.0	e7.6	e4.0	e.90
26	.90	.18	.29	.69	.34	e.83	e24	e2.0	e7.0	e7.0	e3.7	e15
27	.86	.17	.29	.55	.35	e.45	e16	e1.5	e6.0	e6.6	e3.5	e110
28	.86	.16	.26	.48	.34	e.37	e23	e1.2	e5.0	e6.0	e3.3	e100
29	.82	.15	.26	.45	---	e.37	e17	e1.0	e5.6	e5.4	e2.9	e45
30	.84	.16	.26	.42	---	e.37	e6.0	e1.0	e6.2	e5.2	e2.6	e19
31	.80	---	.27	.47	---	e.35	---	e.92	---	e5.6	e2.4	---
TOTAL	116.48	12.26	19.31	15.92	10.34	16.57	107.48	52.35	82.54	250.3	294.3	330.92
MEAN	3.76	.41	.62	.51	.37	.53	3.58	1.69	2.75	8.07	9.49	11.0
MAX	29	.75	4.0	1.9	.50	1.4	24	6.0	15	33	45	110
MIN	.80	.15	.23	.24	.29	.29	.30	.80	.60	3.6	2.4	.60
CFSM	4.00	.43	.66	.55	.39	.57	3.81	1.80	2.93	8.59	10.1	11.7
IN.	4.61	.49	.76	.63	.41	.66	4.25	2.07	3.27	9.91	11.65	13.10

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	2.39	.96	.46	1.39	.84	.91	1.57	1.31	3.54
MAX	6.34	4.71	.85	4.30	1.99	1.81	3.58	4.62	14.8
(WY)	1996	1996	1990	1993	1992	1993	1997	1991	1992
MIN	.10	.000	.015	.011	.23	.25	.13	.028	.37
(WY)	1992	1992	1992	1992	1994	1989	1989	1989	1994

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	819.50	1308.77	
ANNUAL MEAN	2.24	3.59	2.27
HIGHEST ANNUAL MEAN			3.59
LOWEST ANNUAL MEAN			.84
HIGHEST DAILY MEAN	30 Jun 21	110 Sep 27	151 Jun 26 1992
LOWEST DAILY MEAN	.15 Nov 29	.15 Nov 29	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.16 Nov 24	.16 Nov 24	.00 Mar 30 1989
INSTANTANEOUS PEAK FLOW			238 Jun 25 1992
INSTANTANEOUS PEAK STAGE			21.47 Jun 25 1992
ANNUAL RUNOFF (CFSM)	2.38	3.81	2.41
ANNUAL RUNOFF (INCHES)	32.43	51.79	32.78
10 PERCENT EXCEEDS	5.1	7.7	5.0
50 PERCENT EXCEEDS	.92	.83	.70
90 PERCENT EXCEEDS	.30	.30	.11

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300037 CEDAR CREEK NEAR SARASOTA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT									
02...	1240	15.30	3.9	518	6.0	28.0	20	74	9.2
NOV									
18...	0852	14.88	0.37	--	--	--	40	85	12
MAR									
26...	1100	14.97	0.84	894	--	23.5	100	110	24
AUG									
20...	1045	--	E7.4	473	--	29.5	50	59	10

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT								
02...	21	4.3	56	32	0.40	4.9	326	340
NOV								
18...	22	4.1	73	37	0.40	3.5	388	400
MAR								
26...	36	4.4	180	74	0.50	4.0	594	660
AUG								
20...	19	4.3	63	36	0.30	5.0	316	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
02...	<0.010	0.210	0.030	0.54	0.090	0.090	770	58
NOV								
18...	<0.010	0.210	0.070	0.61	0.070	0.060	930	68
MAR								
26...	<0.010	0.220	0.020	0.65	0.040	0.060	3200	60
AUG								
20...	0.017	0.220	0.080	0.98	0.260	0.160	1100	14

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300038 RATTLESNAKE SLOUGH NEAR SARASOTA, FL

LOCATION.--Lat 27°25'24", long 82°29'25", in SW 1/4 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 mi².

WATER-DISCHARGE RECORDS

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.40	.41	.69	.66	.24	.03	e8.0	2.5	.97	2.3	.07
2	2.6	.35	5.2	.69	.64	.23	.01	e4.5	2.6	.45	.74	1.2
3	3.5	.35	1.3	.69	.64	.23	.01	e3.8	2.9	.23	1.6	.75
4	2.3	.35	e1.2	.69	.64	.23	.01	e3.0	2.1	.09	1.4	4.3
5	1.5	.35	e1.1	.69	.64	.23	.00	e2.7	1.7	.06	2.1	5.7
6	1.4	.35	e1.0	.69	.59	.23	.00	2.4	1.5	.06	11	1.4
7	5.3	.35	4.7	.69	.56	.23	.00	2.1	1.3	.09	6.8	.32
8	23	.35	4.1	.69	.54	.20	.00	1.9	1.2	.65	4.5	.10
9	19	.35	1.7	1.0	.52	.20	.00	1.8	2.5	2.9	7.9	.05
10	8.7	.35	1.1	5.2	.49	.20	.00	1.6	3.7	1.0	13	.03
11	4.2	.35	.96	2.5	.49	.20	.00	1.5	2.1	4.8	31	.03
12	2.5	.35	.92	1.4	.44	.20	.00	5.7	1.6	21	9.7	.02
13	1.7	.36	2.0	1.1	.44	.20	.00	19	1.4	43	3.8	.02
14	1.3	.35	1.2	1.3	.44	.20	.00	9.0	1.3	27	6.3	.02
15	1.0	.35	.95	1.2	.44	.20	.75	4.7	1.3	15	3.1	.03
16	.77	.35	.87	1.1	.44	.20	1.5	2.8	1.3	6.8	1.2	3.2
17	4.0	.37	.86	.91	.44	.20	.98	2.4	1.2	3.4	.53	1.9
18	19	.39	.85	.86	.44	.19	.75	2.4	1.1	2.8	6.5	.37
19	11	.40	.80	.81	.44	.17	.62	2.1	1.1	1.4	32	.11
20	4.8	.40	.80	.80	.44	.17	.60	2.9	1.0	1.8	15	.03
21	2.5	.40	.76	.80	.36	.17	.64	2.2	.99	2.2	4.9	.02
22	1.7	.64	.74	.80	.31	.17	.65	1.7	1.4	11	12	.02
23	1.2	.44	.69	.74	.31	.20	8.4	4.8	5.8	10	8.2	.01
24	.80	.44	.69	.69	.31	.20	31	11	14	4.9	3.7	.01
25	.67	.44	.69	.69	.31	.20	13	12	40	4.2	2.1	.03
26	.59	.38	.69	.73	.31	.22	13	8.2	48	2.6	7.8	8.5
27	.51	.35	.69	.71	.28	.20	18	4.0	29	1.4	3.1	e140
28	.45	.35	.69	.69	.27	.11	e45	3.7	9.3	.67	1.0	e96
29	.41	.35	.69	.69	---	.07	e30	11	3.7	.36	.47	e60
30	.40	.35	.69	.69	---	.05	e15	5.8	1.9	3.6	.17	e21
31	.40	---	.69	.69	---	.05	---	3.4	---	7.2	.06	---
TOTAL	128.30	11.36	39.73	31.62	12.83	5.79	179.95	152.1	189.49	181.63	203.97	345.24
MEAN	4.14	.38	1.28	1.02	.46	.19	6.00	4.91	6.32	5.86	6.58	11.5
MAX	23	.64	5.2	5.2	.66	.24	45	19	48	43	32	140
MIN	.40	.35	.41	.69	.27	.05	.00	1.5	.99	.06	.06	.01
CFSM	1.09	.10	.34	.27	.12	.05	1.59	1.30	1.67	1.55	1.74	3.04
IN.	1.26	.11	.39	.31	.13	.06	1.77	1.50	1.86	1.79	2.01	3.40

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	MEAN	1.38	1.49	2.82	1.74	1.98	2.99	2.01	7.39	6.43	8.21	9.60
MAX	16.5	4.72	3.46	8.84	3.73	4.29	7.40	8.73	32.2	15.9	21.1	31.1
(WY)	1996	1996	1990	1993	1992	1991	1993	1991	1992	1992	1992	1989
MIN	.44	.002	.000	.000	.20	.19	.016	.000	.003	2.22	1.66	.63
(WY)	1992	1992	1992	1992	1989	1997	1989	1990	1990	1993	1990	1990

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	1377.94	1482.01	
ANNUAL MEAN	3.76	4.06	4.31
HIGHEST ANNUAL MEAN			7.94
LOWEST ANNUAL MEAN			1.78
HIGHEST DAILY MEAN	79	140	481
LOWEST DAILY MEAN	.02	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.12	.00	.00
INSTANTANEOUS PEAK FLOW			567
INSTANTANEOUS PEAK STAGE			26.13
ANNUAL RUNOFF (CFSM)	1.00	1.07	1.14
ANNUAL RUNOFF (INCHES)	13.56	14.58	15.50
10 PERCENT EXCEEDS	9.5	9.5	10
50 PERCENT EXCEEDS	1.1	.80	1.0
90 PERCENT EXCEEDS	.28	.10	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN
02300038 RATTLESNAKE SLOUGH NEAR SARASOTA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT 03...	1307	20.68	3.7	320	6.8	28.0	20	32	8.5
NOV 18...	1056	20.31	0.44	--	--	--	30	140	68
JAN 14...	0842	20.37	1.3	--	--	--	40	43	11
MAR 26...	1345	20.20	0.23	457	--	23.5	100	50	12
AUG 20...	1140	21.44	15	290	--	29.5	120	30	6.8

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)
OCT 03...	19	5.5	35	28	0.60	5.6	216	220	0.010
NOV 18...	50	5.0	480	110	1.2	25	1060	1100	<0.010
JAN 14...	19	5.9	60	33	0.50	1.4	262	260	<0.010
MAR 26...	20	6.3	61	36	0.50	2.6	336	320	<0.010
AUG 20...	15	4.1	28	24	0.40	6.2	206	--	0.030

DATE	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 03...	0.130	0.030	0.72	0.510	0.470	410	36	--	--
NOV 18...	<0.020	0.030	0.39	0.180	0.190	19000	49	--	--
JAN 14...	0.040	0.020	0.69	0.120	0.120	600	34	--	--
MAR 26...	0.020	0.040	0.94	0.320	0.220	650	45	--	--
AUG 20...	0.190	0.090	1.2	0.620	0.490	380	16	-0.5	-0.76

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300039 NONSENSE CREEK NEAR BRADENTON, FL

LOCATION.--Lat 27°26'04", long 82°28'04", in SE 1/4 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 mi².

WATER-DISCHARGE RECORDS

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	.65	.27	.17	.00	.00	1.6	.43	2.3	.12	.04
2	1.3	1.4	.69	.25	.16	.00	.00	.87	.37	1.7	.25	.11
3	1.5	1.3	.67	.24	.15	.00	.00	.58	.25	.92	.63	.03
4	1.4	1.2	.59	.23	.14	.00	.00	.39	.16	.64	.54	.19
5	1.5	1.2	.60	.21	.13	.00	.00	.23	.10	1.9	1.7	.09
6	1.8	1.3	.59	.21	.12	.00	.03	.12	.10	2.3	3.9	.00
7	2.7	1.3	.58	.20	.11	.00	.04	.04	.05	1.2	2.4	.00
8	7.4	1.3	.53	.20	.10	.00	.04	.01	.04	.54	1.6	.00
9	5.6	1.2	.51	.26	.09	.00	.03	.00	.27	.29	15	.00
10	4.2	1.2	.46	.26	.10	.00	.04	.00	.23	.18	19	.00
11	3.2	1.1	.43	.23	.12	.00	.03	.00	.17	4.9	31	.00
12	2.7	1.1	.42	.23	.10	.00	.07	.93	.14	19	9.3	.00
13	2.3	1.1	.42	.24	.09	.00	.06	2.5	.12	20	27	.00
14	2.1	1.1	.36	.27	.07	.00	.09	1.2	.11	9.7	25	.00
15	1.8	1.1	.34	.28	.10	.00	.11	.70	.06	12	8.6	.00
16	1.7	1.0	.34	.28	.12	.00	.11	.47	.06	13	6.0	.00
17	1.9	.99	.34	.26	.12	.00	.12	.37	.07	6.2	5.9	.00
18	2.0	.97	.33	.24	.09	.00	.10	.28	.07	3.7	22	.00
19	1.8	.94	.33	.26	.07	.00	.10	.21	.08	5.4	6.6	.00
20	1.7	.94	.33	.28	.05	.00	.11	.15	.08	15	2.5	.00
21	1.6	.88	.36	.27	.02	.00	.11	.11	.07	7.3	1.3	.00
22	1.5	.86	.36	.24	.00	.00	.12	.09	.11	4.8	1.7	.00
23	1.5	.83	.33	.21	.00	.00	.35	.44	1.0	3.8	1.1	.00
24	1.5	.72	.33	.19	.00	.00	.46	1.2	3.6	2.9	.72	.00
25	1.4	.70	.33	.20	.00	.04	.45	1.9	7.7	2.2	.52	.00
26	1.4	.79	.34	.22	.00	.09	17	.91	8.9	1.6	.54	16
27	1.4	.74	.33	.19	.00	.00	10	.59	5.5	.88	.38	215
28	1.4	.70	.30	.19	.00	.00	19	1.5	3.7	.46	.22	117
29	1.3	.68	.30	.17	---	.00	15	2.7	7.0	.25	.13	27
30	1.4	.62	.27	.17	---	.00	3.4	1.1	4.4	.36	.05	6.1
31	1.4	---	.27	.17	---	.00	---	.64	---	.40	.01	---
TOTAL	65.7	30.56	13.03	7.12	2.22	0.13	66.97	21.83	44.94	145.82	195.71	381.56
MEAN	2.12	1.02	.42	.23	.079	.004	2.23	.70	1.50	4.70	6.31	12.7
MAX	7.4	1.4	.69	.28	.17	.09	19	2.7	8.9	20	31	215
MIN	1.3	.62	.27	.17	.00	.00	.00	.00	.04	.18	.01	.00
MED	1.6	1.0	.36	.23	.09	.00	.10	.47	.15	2.3	1.7	.00
CFSM	1.86	.89	.37	.20	.07	.00	1.96	.62	1.31	4.13	5.54	11.2
IN.	2.14	1.00	.43	.23	.07	.00	2.19	.71	1.47	4.76	6.39	12.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1997, BY WATER YEAR (WY)

	MEAN	1.91	.33	.25	.90	.35	.29	.78	.36	4.67	2.21	4.63	5.29
MAX	5.45	1.32	.98	5.04	.89	1.16	2.67	1.40	24.9	4.70	16.7	13.7	
(WY)	1996	1996	1995	1993	1993	1993	1993	1991	1992	1997	1995	1989	
MIN	.015	.000	.000	.000	.000	.001	.000	.000	.000	.23	.12	.000	
(WY)	1992	1990	1994	1992	1989	1989	1989	1989	1989	1993	1993	1990	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1989 - 1997
ANNUAL TOTAL	661.91	975.59	
ANNUAL MEAN	1.81	2.67	1.83
HIGHEST ANNUAL MEAN			3.27
LOWEST ANNUAL MEAN			.33
HIGHEST DAILY MEAN	120	Jun 21	215
LOWEST DAILY MEAN	.00	Many Days	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 22	.00
INSTANTANEOUS PEAK FLOW			259
INSTANTANEOUS PEAK STAGE			19.58
ANNUAL RUNOFF (CFSM)	1.59		2.34
ANNUAL RUNOFF (INCHES)	21.60		31.84
10 PERCENT EXCEEDS	2.3		4.8
50 PERCENT EXCEEDS	.38		.33
90 PERCENT EXCEEDS	.00		.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300039 NONSENSE CREEK NEAR BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1993 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 04...	1006	14.15	1.5	--	--	20	110	4.3	11	2.0	13	16
MAR 26...	1530	14.08	0.05	566	24.0	100	110	4.2	10	2.5	7.6	19
AUG 18...	1045	15.57	23	181	26.0	280	25	2.6	9.1	1.3	6.7	15

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 04...	0.40	8.7	356	370	<0.010	<0.020	0.040	0.50	0.060	0.010	420	80
MAR 26...	0.30	7.1	298	350	<0.010	0.040	0.250	1.4	0.110	0.030	360	84
AUG 18...	0.10	5.0	152	--	0.014	<0.020	0.020	1.1	0.140	0.040	140	23

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300042 WARD LAKE OUTFALL NEAR BRADENTON, FL

LOCATION.--Lat 27°26'28", long 82°29'16", in NE¹/₄ 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 mi², 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 LAKE ELEVATIONS.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.00	.00	.00	.00	.00	.00	136	21	240	167	30
2	3.0	.00	.00	.00	.00	.00	.00	81	17	163	148	50
3	15	.00	.00	.00	.00	.00	.00	59	6.5	117	204	49
4	6.8	.00	.00	.00	.00	.00	.00	40	1.0	97	234	79
5	1.6	.00	.00	.00	.00	.00	.00	28	.80	115	251	68
6	8.9	.00	.00	.00	.00	.00	.00	15	.59	251	338	36
7	65	.00	.00	.00	.00	.00	.00	6.9	.40	469	301	21
8	249	.00	.00	.00	.00	.00	.00	2.3	.16	317	234	8.8
9	200	.00	.00	.00	.00	.00	.00	1.1	.20	239	341	1.0
10	176	.00	.00	.00	.00	.00	.00	.75	.36	213	484	.57
11	118	.00	.00	.00	.00	.00	.00	.41	.33	304	657	.30
12	77	.00	.00	.00	.00	.00	.00	36	.27	450	460	.07
13	51	.00	.00	.00	.00	.00	.00	105	.16	504	423	.00
14	36	.00	.00	.00	.00	.00	.00	93	.09	355	393	.00
15	23	.00	.00	.00	.00	.00	.00	57	.02	329	248	.00
16	16	.00	.00	.00	.00	.00	.00	39	.00	353	217	.00
17	27	.00	.00	.00	.00	.00	.00	30	.00	249	194	.04
18	54	.00	.00	.00	.00	.00	.00	23	.00	121	250	.00
19	47	.00	.00	.00	.00	.00	.00	22	.00	103	229	.00
20	31	.00	.00	.00	.00	.00	.00	21	.00	205	192	.00
21	21	.00	.00	.00	.00	.00	.00	16	.00	286	165	.00
22	14	.00	.00	.00	.00	.00	.00	5.1	.00	256	176	.00
23	1.7	.00	.00	.00	.00	.00	.00	43	.01	206	138	.00
24	1.5	.00	.00	.00	.00	.00	.00	94	113	173	95	.00
25	1.1	.00	.00	.00	.00	.00	.00	101	561	200	104	.16
26	.80	.00	.00	.00	.00	.00	.00	74	588	292	161	133
27	.45	.00	.00	.00	.00	.00	.00	52	457	303	108	2090
28	.26	.00	.00	.00	.00	.00	.02	69	335	337	73	2760
29	.15	.00	.00	.00	---	.00	273	96	366	237	50	1350
30	.04	.00	.00	.00	---	.00	255	55	397	215	37	574
31	.00	---	.00	.00	---	.00	---	36	---	211	29	---
TOTAL	1246.32	0.00	0.00	0.00	0.00	0.00	528.02	1437.56	2865.89	7910	7101	7250.94
MEAN	40.2	.000	.000	.000	.000	.000	17.6	46.4	95.5	255	229	242
MAX	249	.00	.00	.00	.00	.00	273	136	588	504	657	2760
IN.	.78	.00	.00	.00	.00	.00	.33	.90	1.79	4.95	4.44	4.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997
MEAN	75.4	25.3	2.08	37.2	6.75
MAX	140	111	7.57	114	25.8
(WY)	1996	1996	1995	1993	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1993 - 1997
ANNUAL TOTAL	12982.09	28339.73	
ANNUAL MEAN	35.5	77.6	69.2
HIGHEST ANNUAL MEAN			98.2
HIGHEST DAILY MEAN	746	2760	2760
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		3020	7350
INSTANTANEOUS PEAK STAGE		4.95	5.67
ANNUAL RUNOFF (INCHES)	8.12	17.72	15.80
10 PERCENT EXCEEDS	96	249	216
50 PERCENT EXCEEDS	1.1	.00	3.7
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL

LOCATION.--Lat 27°26'45", long 82°29'30", in NW¹/₄ sec.15, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on State Road 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 mi², approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--April 1992 to current year (gage heights only). 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).

REMARKS.--Records good. Interruptions in record were due to malfunctions of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.31 ft, Oct. 7, 1996; minimum 8.38 ft, Feb. 5, 1996.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 14.31 ft, Oct. 7; minimum 8.67 ft, Feb. 17.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	11.32	9.42	11.48	9.08	11.79	9.05	11.13	9.12	10.81	9.12	11.90	9.57
2	11.52	9.52	11.24	9.07	11.47	9.08	12.01	9.75	10.85	9.11	13.00	10.12
3	11.71	9.72	11.62	9.32	11.75	9.35	12.14	9.68	10.91	9.03	11.85	10.12
4	11.98	9.80	11.84	9.35	11.74	9.67	11.73	10.11	11.31	8.87	11.16	9.14
5	11.91	9.68	11.87	9.71	12.21	9.88	10.52	9.01	11.72	8.95	11.45	9.24
6	12.08	9.61	12.05	9.97	11.33	9.78	11.20	8.82	11.62	9.25	11.61	9.17
7	12.13	9.90	11.37	9.27	11.42	9.77	11.61	9.02	11.44	9.16	11.63	9.21
8	11.89	9.89	11.20	9.78	11.58	9.59	11.09	9.15	11.78	9.11	11.53	9.32
9	12.01	10.19	11.69	9.77	11.84	9.38	10.80	8.71	11.81	9.21	11.99	9.40
10	12.33	10.18	11.61	9.80	12.59	9.36	11.31	8.62	11.92	9.34	12.04	9.67
11	12.14	10.08	11.65	9.26	12.58	9.63	11.62	8.88	11.64	9.30	11.62	8.99
12	12.09	10.08	12.19	9.24	11.77	8.97	11.85	9.23	11.29	9.37	10.92	9.28
13	12.06	10.05	12.29	9.37	12.40	9.11	11.88	9.36	11.13	9.38	11.55	9.56
14	12.33	9.89	12.31	9.25	12.43	9.51	12.12	9.31	10.59	8.76	11.84	9.68
15	12.36	9.88	12.48	9.30	12.58	9.89	10.78	9.11	11.09	8.97	11.68	9.52
16	12.65	9.65	12.07	9.10	11.84	9.24	10.51	8.85	11.14	9.31	11.75	9.68
17	12.95	9.89	11.96	9.25	10.99	9.09	11.09	9.33	11.23	9.35	11.22	9.42
18	12.54	9.64	11.48	9.20	11.05	9.25	11.17	9.54	11.01	9.32	11.64	9.25
19	12.03	9.45	11.22	9.40	11.07	9.54	9.91	8.64	11.22	9.26	11.66	9.49
20	12.08	9.69	11.35	9.53	11.59	10.00	10.63	9.00	11.91	9.32	11.66	9.58
21	11.86	9.75	10.89	9.68	11.37	10.35	10.64	8.84	11.80	9.37	11.40	9.46
22	11.55	9.86	10.78	9.54	11.39	9.71	10.98	8.84	12.01	9.31	11.11	9.36
23	11.28	9.99	11.14	9.50	11.50	10.13	11.45	8.87	12.21	9.51	11.32	9.21
24	11.49	10.25	11.10	9.45	11.49	9.14	11.44	9.02	12.26	9.66	11.54	9.34
25	11.83	10.20	11.39	9.56	11.45	8.90	11.58	8.99	11.46	9.32	11.60	9.47
26	11.85	10.12	11.99	9.35	11.39	8.97	11.69	9.02	11.82	9.43	11.57	9.40
27	11.85	9.86	12.34	9.60	11.61	8.82	11.81	9.07	11.44	9.29	11.45	9.49
28	11.75	9.58	12.29	9.66	11.61	8.94	12.02	9.34	11.32	9.39	11.63	9.35
29	12.17	9.58	11.64	9.12	11.62	9.04	11.64	9.24	---	---	11.71	8.91
30	12.88	10.69	11.66	9.04	11.74	9.12	11.71	9.47	---	---	11.01	8.77
31	12.26	10.57	---	---	11.21	9.03	10.93	9.25	---	---	11.64	8.89
MONTH	12.95	9.42	12.48	9.04	12.59	8.82	12.14	8.62	12.26	8.76	13.00	8.77

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.45	9.19	---	---	11.06	9.77	11.52	10.02	11.46	9.40	11.72	9.73
2	11.45	9.00	---	---	11.21	9.79	11.63	10.15	11.43	9.55	11.85	9.69
3	11.62	9.09	---	---	11.36	9.64	12.15	9.82	11.69	9.37	12.06	9.71
4	11.25	9.26	---	---	11.47	9.56	11.76	9.65	11.90	9.52	12.16	9.69
5	11.20	9.45	---	---	11.65	9.49	11.86	9.50	12.17	9.60	11.98	9.77
6	11.40	9.59	11.06	9.42	11.57	9.35	12.08	9.84	12.43	9.60	12.03	9.88
7	11.40	9.56	11.41	9.59	12.37	9.44	12.21	9.86	12.04	9.56	12.08	9.81
8	10.86	9.20	11.80	9.61	12.14	9.50	12.25	9.61	12.11	9.77	---	---
9	10.99	9.31	11.69	9.56	12.04	9.37	12.04	9.56	12.15	9.86	---	---
10	11.42	9.48	11.67	9.34	12.16	9.42	12.00	9.51	11.85	9.72	---	---
11	11.44	9.38	11.52	9.37	11.91	9.39	12.01	9.58	11.70	10.21	---	---
12	11.73	9.56	11.74	9.32	11.86	9.40	11.88	9.63	11.62	9.95	---	---
13	11.68	9.52	11.89	9.37	11.74	9.35	11.49	9.65	11.99	10.22	---	---
14	11.68	9.36	12.01	9.36	11.52	9.55	11.29	9.59	12.03	9.85	---	---
15	11.89	9.36	11.93	9.34	11.26	9.31	11.31	9.68	11.81	9.92	---	---
16	11.87	9.58	11.74	9.50	11.08	9.46	11.47	9.63	11.91	10.37	11.96	9.97
17	11.46	9.53	11.48	9.48	11.46	9.57	11.62	9.51	11.97	9.67	11.93	10.11
18	11.33	9.28	11.25	9.59	11.66	9.74	11.75	9.30	11.99	9.66	12.24	10.16
19	11.39	9.24	11.57	9.58	11.78	9.59	12.01	9.40	12.28	9.73	11.92	10.04
20	11.21	9.53	11.11	9.69	12.14	9.42	12.23	10.13	12.31	9.87	11.87	10.05
21	11.57	9.52	11.19	9.29	12.32	9.46	12.24	9.69	12.11	9.92	11.83	9.94
22	11.56	9.58	11.80	9.51	12.27	9.37	12.21	9.57	12.13	9.86	11.67	9.79
23	11.76	9.53	11.95	9.46	12.29	9.39	12.27	9.68	11.85	9.85	11.63	9.69
24	11.73	9.41	12.19	9.43	12.34	9.65	12.15	9.71	11.58	9.76	12.03	9.84
25	12.13	9.54	12.39	9.41	12.24	9.45	11.78	9.72	11.63	9.93	11.77	9.75
26	12.28	9.44	12.66	9.55	11.92	9.45	11.69	9.87	11.76	10.07	11.88	10.34
27	---	---	12.28	9.49	11.69	9.56	11.51	9.88	11.60	10.01	12.00	10.44
28	---	---	12.08	9.43	11.49	9.72	11.73	10.00	11.84	10.02	11.89	10.33
29	---	---	12.14	9.40	11.13	9.72	11.54	9.84	11.82	9.96	11.60	10.17
30	---	---	11.64	9.42	11.54	9.81	11.24	9.73	11.62	9.78	11.82	10.03
31	---	---	11.38	9.67	---	---	11.25	9.69	11.65	9.75	---	---
MONTH	---	---	---	---	12.37	9.31	12.27	9.30	12.43	9.37	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1993 to current year. 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 1.0 ft below the surface and 1.0 ft above the bottom.

REMARKS.--Records fair. Interruptions in record were due to malfunctions of the instruments.

EXTREMES FOR PERIOD OF PERIOD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 36,000 microsiemens, Jan. 9, 1997; bottom probe maximum, 37,200 microsiemens, Feb. 5, 1997; top probe minimum, 129 microsiemens, August 27, 1995; bottom probe minimum, 113 microsiemens, Sept. 28, 1995.

TEMPERATURE.--Top probe maximum, 33.3°C, several days in 1994-1996; bottom probe maximum, 34.1°C, July 13, 1995; top probe minimum, 11.1°C, Feb. 5, 1996; bottom probe minimum, 12.0°C, Jan. 11, 1996.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 36,000 microsiemens, Jan. 9; bottom probe maximum, 37,200 microsiemens, Feb. 5; top probe minimum, 189 microsiemens, Sept. 29; bottom probe minimum, 190 microsiemens, Sept. 29.

TEMPERATURE.--Top probe maximum, 33.0°C, June 19; bottom probe maximum, 32.8°C, June 22-23; top probe minimum, 14.4°C, Jan. 18-20; bottom probe minimum, 14.9°C, Jan. 20.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
(1 FT BELOW SURFACE)

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	21400	16600	10900	1280	28100	25500	2200	731	316	253	443	275
2	21700	18100	11000	2560	27700	26000	736	494	337	257	433	277
3	23800	16300	12200	2690	27900	25400	613	470	319	266	465	290
4	22900	20000	12800	6070	28300	26000	568	437	484	280	470	300
5	24600	20600	9390	7410	28400	26500	534	426	1280	334	556	334
6	24800	21100	10400	7250	28700	24800	526	405	2490	451	594	319
7	24000	21700	13000	8330	28500	26300	442	408	2260	474	529	313
8	22800	20000	15500	10000	28600	26800	460	393	2120	405	435	291
9	23100	20200	15800	11900	28200	25200	472	398	574	289	459	291
10	24700	21000	14900	12800	26800	25000	593	406	390	285	516	313
11	25800	21600	15900	12600	26300	24800	961	455	312	276	453	309
12	26500	23900	17500	11900	25700	21600	858	439	276	246	390	295
13	27600	25100	18900	13900	25900	22400	578	369	259	237	307	290
14	28800	21300	20200	14600	24200	20300	664	390	269	241	321	289
15	29600	18800	21200	14700	23100	17400	653	416	271	229	328	291
16	29600	26900	22100	17900	20000	15400	568	439	294	239	328	287
17	28100	27000	22700	18700	18400	13900	610	453	266	243	290	280
18	28100	25000	22800	19200	17800	10600	670	431	286	251	288	276
19	28700	24100	22600	20000	15400	1690	672	377	316	265	300	272
20	29300	26100	21300	19300	12200	1280	437	325	380	278	298	267
21	28900	24600	21100	17800	9300	1740	325	252	473	291	291	268
22	27900	24300	21100	20300	7710	1800	317	238	545	305	299	270
23	28000	24100	22800	20500	7440	1940	296	245	526	317	331	279
24	27200	22800	24100	20900	8480	4360	262	231	536	327	391	285
25	27400	22100	25800	21400	8640	4420	252	230	333	288	312	258
26	27400	18300	27800	22100	8750	4800	243	224	307	291	323	253
27	26500	2710	27800	22200	9060	7370	243	221	304	286	274	220
28	20800	1160	27000	21500	8660	7190	267	224	294	278	239	212
29	8810	882	27600	21500	8420	4430	274	236	296	271	232	212
30	10900	1100	28000	22400	7250	1220	415	237	311	267	233	216
31	---	---	28400	25200	---	---	282	237	373	270	---	---
MONTH	29600	882	28400	1280	28700	1220	2200	221	2490	229	594	212

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	8560	6790	16400	15300	22000	15700	---	---	---	---	29100	26400
2	10400	7790	15700	9640	23000	15800	---	---	15100	13100	29700	26400
3	11200	9940	10300	5390	26000	19000	---	---	16100	13300	29200	26800
4	13500	9880	8570	5680	27400	18900	---	---	19100	15300	28700	26200
5	15700	12800	---	---	28600	20800	---	---	22200	18900	27400	24600
6	15700	13100	---	---	28100	27400	29700	26100	23900	21100	27800	24600
7	15600	14000	---	---	27800	26100	26500	25700	23800	22500	27200	25900
8	15500	13600	---	---	26800	23300	26700	24600	23500	21100	26800	25300
9	17700	14400	---	---	---	---	24700	23900	23000	21200	26100	24200
10	18100	16900	13900	12500	---	---	23900	22500	24400	20800	25400	23300
11	18000	16800	13400	12500	---	---	22800	22300	24400	20900	25000	20400
12	17300	16700	13000	9050	---	---	22800	22300	24400	22000	21600	15300
13	17200	16700	14000	10800	---	---	23300	22700	24500	23100	19800	15900
14	---	---	15300	11500	---	---	23500	23100	24400	21600	21600	19300
15	---	---	15800	13000	---	---	23300	21800	23200	19200	21400	17100
16	---	---	16500	13700	---	---	22000	19900	24500	21800	21700	16300
17	17700	16500	17900	14600	---	---	19900	17500	25000	22300	21300	18800
18	17600	16400	17900	15600	---	---	17500	15700	24400	20900	23800	17200
19	17400	16500	18000	15300	---	---	15700	14000	24100	22100	26700	17200
20	17100	15900	18400	16300	---	---	14000	12900	29300	23400	27600	19400
21	17100	16300	18500	16300	---	---	13000	11700	30500	29100	28500	18600
22	17000	15300	17800	12500	---	---	11700	9760	30400	28700	28400	20800
23	16600	15400	15900	12400	---	---	9760	8220	30100	27700	28300	27500
24	16400	15400	16700	13500	---	---	9720	8350	29900	25600	28100	27400
25	16200	15500	16700	14000	---	---	11400	9710	29600	26000	27600	26800
26	16100	14700	20400	13700	---	---	12400	11400	28300	24800	27400	26600
27	15900	14800	24000	18200	---	---	12700	12200	28400	24300	28000	26300
28	15700	14700	24100	21500	---	---	---	---	27500	24800	29600	19800
29	15600	12000	23900	20400	---	---	---	---	---	---	29300	21600
30	17600	12500	21600	17000	---	---	---	---	---	---	27900	18300
31	17500	15800	---	---	---	---	---	---	---	---	28300	17600
MONTH	---	---	---	---	---	---	---	---	---	---	29700	15300

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	28100	19300	28800	27800	30000	29300	24700	23000	566	262	438	340
2	27600	18100	28800	27300	30100	29600	24600	22700	569	349	485	349
3	30400	23200	28800	28000	30300	29500	24400	22200	599	403	576	340
4	30900	23000	29000	28000	---	---	23900	21200	697	441	595	412
5	30700	29800	28900	27200	---	---	22200	19900	3460	540	618	354
6	30200	24500	29200	27500	---	---	21700	446	4350	2670	633	392
7	30000	28700	28700	19700	---	---	492	416	4290	2940	565	322
8	29800	28600	20800	17500	29800	29100	612	415	4070	2680	494	294
9	29100	27400	24100	18700	29600	28900	808	414	3780	2080	503	310
10	29800	22000	23500	22000	29700	29200	902	630	3210	310	532	371
11	30400	27500	24200	21200	29700	29200	1010	685	321	272	504	326
12	30500	26500	23200	20300	29600	29000	998	808	272	245	464	294
13	31200	26600	24600	21800	29200	28100	968	592	259	237	327	291
14	31300	30000	25300	24100	28700	27900	916	719	273	240	324	289
15	32000	28600	26200	24500	28500	27500	1100	757	320	242	421	289
16	32100	30600	28100	25900	28000	27300	1860	569	308	241	424	285
17	32000	30100	28100	27300	27800	27400	1130	635	361	245	327	276
18	31700	28200	28300	27300	27700	27200	1180	766	374	258	344	274
19	31500	28200	28200	27300	27600	26900	1130	664	352	279	345	275
20	32100	30700	27600	25100	27500	27000	970	325	442	283	317	263
21	32100	31300	26600	25100	27300	26800	325	251	562	358	280	265
22	31900	30800	28900	26100	27500	27000	271	233	599	439	293	268
23	31100	29900	29600	24200	27400	26900	381	242	672	490	456	279
24	30200	29100	27100	24000	27300	19200	265	235	664	315	512	351
25	30100	27900	29000	25600	26300	25600	281	234	344	284	551	333
26	30200	27500	30300	28800	26300	25200	283	229	306	290	597	270
27	29800	28600	30100	26600	26100	25200	239	221	304	287	283	236
28	28900	27100	28700	28200	26200	22800	263	222	320	273	244	213
29	28600	27700	28700	28100	25900	23200	489	219	327	265	233	211
30	28600	27700	29300	27700	25100	23200	446	270	339	266	228	210
31	---	---	29900	28900	---	---	534	269	407	306	---	---
MONTH	32100	18100	30300	17500	---	---	24700	219	4350	237	633	210

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	28.2	26.0	25.2	22.3	22.3	20.3	---	---	---	---	22.3	21.3
2	28.7	26.5	23.4	20.6	23.4	20.6	---	---	20.6	17.9	22.3	21.6
3	30.1	27.7	23.4	21.0	23.7	21.3	---	---	18.5	16.0	21.9	19.4
4	30.1	28.2	24.1	22.3	23.7	22.3	---	---	19.1	16.1	21.0	18.8
5	30.1	28.2	---	---	24.1	23.0	---	---	19.7	17.9	21.3	18.8
6	29.1	26.5	---	---	23.7	22.3	19.4	12.3	21.0	18.5	21.6	19.1
7	28.2	26.5	---	---	23.4	21.3	19.4	17.9	23.7	20.3	22.6	21.0
8	28.7	27.3	---	---	23.4	21.3	19.7	18.8	23.7	20.0	24.1	22.3
9	30.1	27.7	---	---	---	---	19.1	13.4	24.5	21.6	24.9	22.6
10	29.6	28.6	25.2	23.0	---	---	18.8	13.4	25.2	23.0	25.2	23.3
11	29.6	29.1	24.5	21.6	---	---	20.6	16.6	25.6	23.7	23.3	21.3
12	29.6	28.2	24.5	21.0	---	---	20.6	19.4	26.0	24.5	23.0	20.6
13	28.7	27.7	25.2	22.6	---	---	20.6	20.0	26.9	25.2	22.6	20.3
14	---	---	26.5	23.7	---	---	20.6	18.2	25.2	23.0	23.0	21.6
15	---	---	27.3	24.8	---	---	20.3	18.2	23.7	21.6	23.4	20.9
16	---	---	28.2	25.6	---	---	20.0	14.3	23.3	21.3	23.4	21.9
17	26.9	26.0	28.2	26.0	---	---	20.0	16.3	23.7	21.0	23.4	21.0
18	27.8	26.0	28.7	26.5	---	---	19.7	17.1	23.4	21.6	23.0	20.6
19	28.2	27.3	28.2	26.9	---	---	17.7	15.0	24.5	21.9	24.5	21.9
20	29.1	27.7	28.2	26.5	---	---	16.3	15.0	23.7	22.3	24.5	23.3
21	30.1	28.2	26.5	25.2	---	---	17.4	15.3	24.5	23.0	25.2	23.7
22	30.1	28.7	25.2	23.7	---	---	18.2	15.0	26.0	23.7	26.5	24.5
23	30.1	28.7	23.7	22.3	---	---	18.5	15.3	26.5	23.7	26.9	25.2
24	29.6	28.6	23.0	21.9	---	---	19.4	16.6	25.6	23.3	27.7	25.2
25	29.1	28.2	23.0	21.6	---	---	20.6	17.1	24.9	22.3	27.8	26.0
26	29.1	27.3	23.7	22.3	---	---	21.3	18.2	24.5	23.0	28.2	26.5
27	28.2	26.5	23.7	23.0	---	---	22.3	19.1	23.7	20.6	28.7	26.5
28	27.7	26.9	23.7	22.3	---	---	---	---	23.4	21.3	29.1	26.9
29	27.8	26.5	22.3	20.3	---	---	---	---	---	---	28.2	24.5
30	27.8	26.9	22.0	20.3	---	---	---	---	---	---	26.5	23.0
31	27.7	24.8	---	---	---	---	---	---	---	---	26.0	23.3
MONTH	---	---	---	---	---	---	---	---	---	---	29.1	18.8

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	25.2	22.3	29.6	27.3	30.6	29.1	32.2	30.1	33.3	29.1	32.2	28.7
2	24.9	21.9	30.6	27.7	30.1	28.2	30.1	29.1	31.6	29.1	32.2	29.6
3	25.2	22.6	29.6	28.2	29.1	28.2	29.6	28.6	32.2	29.1	31.6	29.6
4	26.0	23.0	30.6	29.1	30.6	28.2	30.1	28.2	32.2	29.6	31.6	30.1
5	25.6	23.7	31.1	28.2	30.6	29.1	31.1	28.2	32.2	29.6	31.1	29.1
6	26.9	23.7	31.1	27.7	30.1	28.6	29.6	28.2	31.6	30.1	31.6	29.1
7	27.8	25.2	30.1	27.7	29.6	28.2	29.6	27.7	32.2	29.6	30.1	29.1
8	28.7	25.2	30.1	28.2	30.6	28.6	30.1	27.7	30.6	29.6	30.6	28.2
9	27.7	25.2	30.6	28.2	32.2	29.1	30.6	28.2	31.6	29.6	30.6	28.6
10	27.8	24.8	30.6	28.2	32.2	30.1	30.6	28.6	32.2	29.1	32.2	29.1
11	28.2	25.2	30.6	28.6	32.7	31.1	31.6	29.1	30.6	28.6	32.7	29.6
12	27.8	25.6	30.6	28.6	32.7	31.6	31.6	29.1	29.1	28.2	31.1	28.6
13	28.7	26.5	30.6	28.6	32.7	31.6	32.7	29.6	29.1	27.7	29.1	28.2
14	28.7	26.9	30.6	28.6	32.2	31.1	32.7	30.1	28.7	27.7	28.7	27.7
15	29.1	27.3	30.6	28.6	32.2	30.6	32.7	30.6	27.7	26.9	28.2	27.3
16	29.1	27.3	31.6	29.6	32.7	30.6	33.3	30.6	27.7	26.5	28.7	27.3
17	30.1	28.2	31.1	30.6	32.7	31.1	31.1	29.6	29.6	26.5	29.6	26.9
18	29.6	26.9	31.1	29.6	32.7	30.6	32.2	29.1	31.1	27.3	30.1	27.3
19	29.1	26.5	31.1	29.1	32.2	31.1	31.6	29.1	29.6	27.7	29.1	27.7
20	29.1	27.7	30.1	27.7	32.2	30.6	30.6	28.6	31.1	27.7	28.2	26.9
21	28.7	26.9	28.2	26.0	32.1	30.6	28.6	27.3	32.2	28.7	28.7	26.9
22	29.1	26.9	27.7	25.6	31.6	30.6	28.7	26.9	32.2	29.6	29.1	26.9
23	29.6	28.2	27.8	25.2	32.2	30.1	30.6	26.9	32.2	30.1	29.6	27.3
24	28.7	26.9	27.8	25.6	32.2	30.2	30.6	28.2	32.2	29.6	29.6	28.2
25	29.1	27.3	27.8	26.0	32.2	30.1	29.6	28.2	30.1	28.6	29.1	28.2
26	29.6	28.2	28.2	26.5	32.2	30.6	30.1	28.2	29.1	27.7	28.2	27.7
27	29.1	27.7	28.7	27.3	32.2	30.6	29.6	28.2	30.1	27.7	27.7	26.5
28	28.7	27.3	29.1	27.7	32.7	30.6	30.6	28.2	30.6	27.7	26.9	26.0
29	28.7	26.5	29.6	27.7	33.3	30.6	30.6	27.5	29.6	27.7	26.5	26.0
30	28.7	26.5	29.6	27.7	31.6	30.6	31.6	28.2	31.6	27.7	26.9	26.0
31	---	---	30.6	28.2	---	---	32.2	28.6	31.1	28.6	---	---
MONTH	30.1	21.9	31.6	25.2	33.3	28.2	33.3	26.9	33.3	26.5	32.7	26.0

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	29.2	26.6	27.0	26.6	21.3	20.7	---	---	---	---	21.6	20.7
2	27.0	26.6	26.6	24.3	22.0	21.3	---	---	20.7	18.4	21.3	20.7
3	27.9	27.0	24.3	22.0	22.3	22.0	---	---	18.7	17.1	21.3	21.3
4	28.8	27.9	23.0	22.0	23.0	22.3	---	---	17.3	16.8	21.3	21.0
5	28.7	28.7	---	---	23.3	22.9	---	---	18.4	16.8	21.3	21.0
6	28.7	28.7	---	---	23.3	23.3	19.5	16.6	19.5	18.1	21.3	21.0
7	28.8	28.3	---	---	23.3	23.3	17.6	16.8	19.5	19.5	21.3	21.0
8	28.7	26.6	---	---	23.3	21.6	17.9	17.6	20.7	19.5	21.6	21.3
9	28.3	27.0	---	---	---	---	18.1	17.8	22.6	19.8	21.6	21.6
10	28.8	27.9	25.1	24.3	---	---	18.1	17.8	23.6	21.3	22.0	21.6
11	28.8	28.3	24.7	24.7	---	---	18.9	17.8	24.7	23.3	22.0	21.9
12	28.8	28.3	24.7	22.6	---	---	19.5	18.9	25.1	24.0	21.9	20.4
13	28.8	28.3	23.6	22.9	---	---	20.1	19.5	24.7	24.7	21.0	20.4
14	---	---	24.7	23.6	---	---	19.8	19.5	24.7	23.6	21.6	21.0
15	---	---	25.9	24.7	---	---	19.8	19.5	23.6	21.6	21.6	21.6
16	---	---	26.6	25.8	---	---	19.8	19.5	22.3	22.0	22.0	21.6
17	26.2	26.2	27.0	26.6	---	---	19.8	17.9	22.3	22.0	22.3	21.6
18	26.6	26.2	26.6	26.6	---	---	18.7	18.1	22.0	22.0	22.3	20.7
19	26.6	26.2	27.0	26.6	---	---	18.9	18.4	22.6	22.0	21.6	21.0
20	26.6	26.6	27.5	26.6	---	---	18.7	18.1	23.0	22.3	23.3	21.6
21	26.6	26.6	27.5	25.8	---	---	18.4	17.8	23.3	22.6	24.0	22.3
22	27.5	26.6	26.2	23.3	---	---	17.8	17.1	23.6	22.9	24.0	23.3
23	27.5	27.0	23.3	22.0	---	---	17.6	17.1	24.7	23.3	24.3	23.3
24	27.5	27.0	22.6	21.6	---	---	18.1	17.6	24.3	23.6	24.0	23.6
25	27.5	27.5	22.0	21.6	---	---	19.2	18.1	24.0	23.3	25.5	24.0
26	27.9	27.5	23.0	22.0	---	---	19.8	18.9	23.6	23.3	25.5	24.7
27	27.9	27.5	23.3	22.9	---	---	20.7	19.8	23.3	22.3	27.5	25.1
28	27.9	27.5	23.3	23.3	---	---	---	---	22.6	21.3	27.5	26.6
29	27.9	26.2	23.3	21.6	---	---	---	---	---	---	27.5	26.2
30	27.0	26.2	21.6	20.4	---	---	---	---	---	---	26.2	24.3
31	27.0	26.6	---	---	---	---	---	---	---	---	24.7	23.9
MONTH	---	---	---	---	---	---	---	---	---	---	27.5	20.4

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	24.7	24.3	27.5	27.5	29.2	28.7	30.1	29.6	28.3	27.9	28.3	27.5
2	24.4	22.9	27.5	27.5	29.2	29.2	30.1	29.6	28.8	27.9	28.8	27.9
3	23.3	23.0	27.5	27.5	29.2	28.3	29.7	29.2	28.8	28.3	29.2	28.7
4	23.6	23.3	27.5	27.5	28.7	27.9	29.2	29.2	29.2	28.7	29.2	28.7
5	24.4	23.3	27.5	27.5	28.8	27.9	29.2	28.3	29.2	28.7	29.2	28.7
6	24.7	23.6	27.9	27.5	28.8	28.3	28.7	27.9	29.7	29.2	29.2	28.3
7	25.1	24.3	27.9	27.5	28.7	27.9	28.7	27.5	29.7	29.2	29.2	28.7
8	25.5	24.7	28.7	27.9	28.3	27.9	28.3	27.0	29.2	29.2	29.2	27.9
9	26.2	25.1	28.7	27.5	28.3	27.9	27.9	27.5	29.2	29.2	28.7	27.9
10	26.2	25.5	28.7	28.3	28.8	28.3	28.3	27.5	30.1	29.2	29.2	28.3
11	26.2	25.8	29.2	28.3	28.8	28.3	28.8	27.9	29.7	28.3	29.7	28.7
12	26.6	26.2	29.2	28.7	29.2	28.7	28.8	28.3	28.3	27.5	29.2	27.9
13	27.0	26.2	29.2	28.7	30.6	28.7	29.2	28.7	28.3	27.5	28.7	27.9
14	27.5	27.0	29.2	28.7	30.6	29.6	29.2	28.7	27.9	27.5	28.3	27.5
15	27.9	27.0	29.7	29.2	30.6	29.6	29.7	28.8	27.5	26.2	27.5	26.9
16	28.3	27.5	30.1	29.2	30.6	30.1	29.7	29.2	26.6	26.2	27.5	26.2
17	28.3	27.9	30.1	29.6	30.6	30.1	29.2	28.7	27.9	26.2	28.8	26.6
18	28.3	27.9	30.1	29.6	30.6	30.1	29.2	28.7	27.5	26.6	28.3	27.0
19	27.9	27.5	30.1	28.7	30.6	30.1	29.2	27.9	28.3	27.0	28.7	27.5
20	27.9	27.5	29.2	27.5	30.6	30.1	29.2	27.9	27.9	27.5	27.9	27.0
21	27.9	27.5	27.5	25.8	30.1	30.1	27.9	26.6	28.3	27.5	27.5	26.6
22	27.9	27.5	26.2	24.7	30.1	29.6	27.5	26.6	28.8	27.9	27.5	26.6
23	27.9	27.9	25.5	25.1	30.1	29.6	28.7	26.6	29.2	28.3	27.5	27.0
24	27.9	27.5	25.9	25.5	30.1	28.7	29.2	27.5	30.6	28.7	27.5	27.5
25	27.5	26.6	26.2	25.8	30.1	29.7	28.3	27.9	28.7	27.9	27.9	27.5
26	27.5	27.0	27.5	26.2	30.1	29.6	29.2	27.5	28.7	27.5	27.9	27.0
27	27.5	27.5	27.5	27.0	30.1	29.6	28.7	27.5	28.7	27.5	27.5	26.2
28	27.9	27.5	27.5	27.0	30.1	29.6	28.7	27.9	28.3	27.5	26.2	26.2
29	27.9	27.5	27.9	27.5	30.1	29.6	28.7	27.0	27.9	27.5	26.2	25.8
30	27.5	27.5	28.7	27.5	30.1	29.6	28.7	27.9	27.9	27.5	26.6	25.8
31	---	---	29.2	28.3	---	---	28.3	27.9	27.9	27.5	---	---
MONTH	28.3	22.9	30.1	24.7	30.6	27.9	30.1	26.6	30.6	26.2	29.7	25.8

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	12.30	10.50	12.24	10.08	11.85	9.21	---	---	11.15	9.04	11.51	9.29
2	12.62	10.93	11.70	9.32	12.06	8.97	---	---	11.27	9.26	11.40	8.95
3	12.67	10.79	11.71	9.12	12.23	9.18	---	---	11.02	9.23	10.89	9.04
4	12.10	10.19	11.75	9.14	12.48	9.18	---	---	11.79	9.57	11.07	9.17
5	11.70	9.71	11.94	9.27	12.30	9.31	---	---	10.93	9.23	11.22	9.20
6	11.85	9.66	12.32	9.36	11.79	9.17	---	---	10.44	9.20	11.48	9.26
7	11.97	9.49	11.89	9.28	11.48	9.25	11.46	10.06	11.15	9.02	11.65	9.27
8	11.88	9.40	11.39	9.19	11.02	9.28	10.81	9.53	10.79	9.51	11.68	9.62
9	12.05	9.50	11.46	9.53	11.27	9.58	10.93	9.26	10.82	8.53	10.30	9.30
10	12.04	9.74	11.53	9.87	11.81	10.10	11.15	9.12	11.13	8.86	10.55	8.50
11	11.93	9.88	11.38	10.00	11.86	10.12	11.45	9.11	11.49	9.15	10.70	8.70
12	11.79	9.99	11.18	9.98	11.44	9.35	11.52	9.16	11.50	9.31	10.81	8.95
13	11.94	9.94	10.81	9.49	11.57	9.25	12.26	9.14	10.94	8.86	11.11	9.07
14	11.78	10.05	10.62	9.31	11.33	9.40	12.29	9.88	11.04	9.00	11.28	9.12
15	11.54	9.95	11.19	8.94	11.14	8.99	12.26	9.63	11.42	9.15	11.40	9.65
16	11.02	9.67	11.67	9.50	11.88	9.07	11.64	9.20	11.45	9.19	11.67	9.53
17	11.35	9.51	11.78	9.35	11.88	9.21	11.42	9.17	11.21	9.14	11.81	9.53
18	11.73	9.74	11.79	9.34	11.91	9.22	11.30	9.09	11.05	9.18	11.94	9.61
19	11.91	9.79	11.81	9.39	12.10	9.28	11.71	9.25	11.17	9.18	11.62	9.27
20	12.02	9.62	11.98	9.39	11.87	9.33	11.74	9.59	11.30	9.18	11.66	9.27
21	12.04	9.66	12.27	9.57	11.80	9.25	11.26	9.40	11.49	9.59	11.84	9.29
22	12.15	9.72	11.98	9.51	11.77	9.64	11.09	9.22	11.10	9.03	11.73	9.38
23	12.29	9.72	11.61	9.51	---	---	12.21	9.44	11.40	8.87	11.80	9.38
24	11.93	9.55	10.98	9.05	---	---	10.51	9.06	11.31	9.03	11.73	9.56
25	11.56	9.50	11.56	9.75	---	---	10.98	8.75	11.06	8.87	11.57	9.52
26	11.66	9.66	11.83	10.13	---	---	11.21	8.91	11.32	8.82	11.59	9.24
27	11.43	9.66	12.05	10.21	---	---	11.77	8.95	11.31	8.97	11.77	9.38
28	11.23	9.57	12.02	10.26	---	---	12.02	9.16	11.42	9.12	11.77	9.73
29	11.66	9.95	12.10	9.86	---	---	12.02	9.13	---	---	11.57	9.65
30	11.70	10.34	12.06	9.49	---	---	12.07	9.23	---	---	11.53	9.51
31	12.25	9.73	---	---	---	---	11.49	9.02	---	---	11.54	9.65
MONTH	12.67	9.40	12.32	8.94	---	---	---	---	11.79	8.53	11.94	8.50

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.66	9.39	11.86	9.46	11.96	9.65	11.78	9.50	11.47	10.10	12.28	10.52
2	11.21	9.08	11.82	9.36	12.11	9.54	11.57	9.66	12.07	10.11	12.39	10.48
3	11.26	9.22	11.69	9.35	11.71	9.52	11.39	9.52	12.63	11.01	12.16	10.04
4	11.80	9.22	11.76	9.34	12.05	9.63	11.33	9.69	12.14	10.80	12.09	9.84
5	11.66	9.48	11.81	9.30	12.78	10.59	11.25	9.66	11.93	10.10	12.39	9.92
6	11.99	9.46	11.42	9.58	11.91	10.11	11.27	9.75	12.30	9.98	12.57	9.99
7	11.24	9.74	11.43	9.34	11.65	9.89	11.63	9.68	12.36	9.79	12.82	10.18
8	11.37	9.37	11.55	9.42	11.64	9.72	12.00	9.57	12.64	9.88	12.77	10.30
9	11.14	9.42	11.38	9.72	11.50	9.42	12.20	9.42	12.75	9.94	12.59	10.32
10	10.97	9.32	11.72	9.88	11.71	9.28	12.50	9.49	12.90	10.08	12.32	10.17
11	11.46	9.49	11.87	9.95	12.06	9.27	12.42	9.34	12.77	10.10	12.06	10.12
12	11.45	9.59	12.07	9.80	12.44	9.47	12.41	9.39	12.52	10.12	12.11	10.10
13	11.60	9.57	12.29	9.65	12.59	9.39	12.28	9.53	12.34	10.18	11.92	9.99
14	11.65	9.38	12.40	9.54	12.04	9.22	12.36	9.68	11.91	10.07	12.18	10.13
15	11.80	9.38	12.33	9.38	11.83	9.20	12.02	9.68	11.88	10.16	11.96	10.15
16	12.18	9.45	12.40	9.42	11.68	9.04	11.72	9.67	12.13	10.20	11.89	10.13
17	12.14	9.34	12.39	9.39	11.44	9.07	11.39	9.73	12.17	10.37	11.98	10.23
18	12.27	9.38	12.36	9.52	11.17	9.26	11.97	10.22	12.06	10.05	11.96	10.38
19	12.28	9.42	12.33	9.65	11.32	9.54	12.09	10.93	11.82	10.13	11.94	10.24
20	12.34	9.60	12.02	10.04	11.34	9.85	11.92	10.17	12.02	10.12	11.89	10.11
21	11.97	9.73	11.43	9.94	11.63	9.94	11.63	9.79	12.08	10.09	11.89	9.93
22	11.63	9.52	11.22	9.62	11.83	9.77	11.59	9.67	12.31	10.17	12.46	10.28
23	11.73	9.75	11.11	9.59	11.67	9.55	11.57	9.77	12.48	10.31	12.33	10.25
24	11.60	10.20	11.34	9.59	11.93	9.75	11.88	9.73	12.81	10.53	12.26	10.14
25	11.10	9.43	11.65	9.78	12.08	9.72	12.13	9.66	13.09	10.76	12.31	10.11
26	11.06	9.46	11.75	9.53	11.93	9.48	12.20	9.76	13.42	11.54	12.39	10.06
27	11.55	9.79	12.02	9.56	11.92	9.38	12.30	10.04	12.82	10.96	12.62	9.99
28	11.28	9.26	11.94	9.42	11.92	9.38	12.51	10.18	12.45	10.49	12.65	10.15
29	11.63	9.37	11.93	9.53	11.82	9.37	12.02	10.08	12.41	10.25	12.72	10.10
30	11.74	9.38	12.09	9.56	11.87	9.45	11.77	10.05	11.84	10.07	12.33	9.92
31	---	---	12.13	9.53	---	---	11.89	10.05	11.95	10.08	---	---
MONTH	12.34	9.08	12.40	9.30	12.78	9.04	12.51	9.34	13.42	9.79	12.82	9.84

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	240	212	4080	827	---	---	---	---	---	---	7350	2940
2	241	222	---	---	---	---	---	---	---	---	6640	3760
3	244	227	---	---	---	---	---	---	---	---	6360	3790
4	248	234	---	---	---	---	---	---	---	---	5960	4240
5	265	238	---	---	---	---	---	---	5170	3770	7580	4540
6	280	249	---	---	---	---	---	---	5070	3320	11300	5650
7	351	257	---	---	---	---	---	---	6820	2210	12900	6160
8	331	260	---	---	---	---	---	---	6430	3980	14300	9600
9	462	279	---	---	---	---	---	---	6110	1000	10700	1910
10	444	291	---	---	---	---	---	---	9770	2750	5920	1160
11	378	299	---	---	---	---	---	---	13600	3490	5250	1080
12	371	310	---	---	---	---	---	---	13800	6930	7250	1640
13	444	320	---	---	---	---	---	---	7700	1530	9910	3190
14	437	306	---	---	---	---	---	---	7310	468	11600	4300
15	435	337	---	---	---	---	---	---	7760	1120	14800	7590
16	428	374	---	---	---	---	---	---	6010	1630	17500	10100
17	548	381	---	---	---	---	---	---	6620	1420	16900	11200
18	753	403	---	---	---	---	---	---	6830	1670	16500	12600
19	1450	426	---	---	---	---	---	---	6720	1460	14900	3100
20	2180	532	---	---	---	---	---	---	5680	1460	11900	2370
21	3790	702	---	---	21700	8370	---	---	1940	808	12300	4770
22	5100	945	---	---	17600	4360	---	---	975	471	15000	8800
23	6460	2160	---	---	11300	2050	---	---	1270	342	16300	10600
24	7080	1990	---	---	2130	1820	---	---	1240	379	16300	12600
25	7710	1300	---	---	2440	1820	---	---	1520	445	17600	11300
26	8670	3190	---	---	2420	1850	---	---	2720	623	17800	10800
27	4640	604	---	---	4200	1890	---	---	3740	1150	19900	14400
28	672	488	---	---	5330	2020	---	---	5040	1800	20200	16700
29	1070	490	---	---	9720	2310	---	---	---	---	19000	15100
30	1290	580	---	---	---	---	---	---	---	---	19300	16300
31	3960	620	---	---	---	---	---	---	---	---	20500	16700
MONTH	8670	212	---	---	---	---	---	---	---	---	20500	1080

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	21000	16500	20500	13200	29000	25200	815	542	256	226	184	165
2	18600	12700	20100	14600	28400	22400	1610	643	253	227	196	155
3	17200	12700	19600	14200	26700	13700	1700	686	234	205	187	162
4	19500	12800	19500	13900	23400	4930	2110	791	207	163	189	161
5	19000	9150	19200	15600	22200	1650	3260	994	171	145	205	165
6	20100	9260	18400	15400	11000	985	2480	1330	187	161	238	167
7	19300	11900	19800	14000	5860	877	3720	1590	202	166	288	185
8	17700	7500	22100	15700	4040	825	5330	2030	209	172	368	196
9	16100	8690	23000	17200	3510	838	6720	2540	233	182	373	209
10	16400	7750	23800	19800	5870	1470	8970	3970	225	187	388	197
11	16500	7950	23900	21300	7750	2820	10900	5640	245	195	223	191
12	17800	11200	23900	21500	8390	3640	11000	3010	299	197	223	203
13	16800	14600	24400	21400	7490	1350	9930	586	336	207	223	198
14	16300	12300	25000	21800	5800	1370	596	422	266	207	223	197
15	17100	11300	24400	20400	6170	1450	526	348	351	218	235	198
16	19400	13000	25500	21900	6430	1850	518	353	288	223	238	212
17	20700	12900	26900	21800	5620	2500	454	363	461	229	249	215
18	21600	13200	27500	22900	7950	3250	407	305	538	241	272	225
19	22500	14200	28200	24400	8350	3290	305	200	388	237	303	234
20	23700	15000	28300	26000	8560	1930	209	188	508	255	369	241
21	24600	15600	27500	25400	10300	2520	245	194	283	222	430	249
22	24900	17900	26700	24600	12800	7350	245	197	240	221	500	279
23	24900	19000	26400	24300	13900	7220	241	204	240	221	732	279
24	24800	23400	26200	21400	13400	1160	220	198	232	218	475	271
25	24100	21300	27200	22300	9730	1070	221	201	234	214	571	272
26	23300	21500	28300	23200	4570	714	221	197	226	149	800	280
27	24100	21800	28800	23000	1260	543	232	200	150	129	1020	214
28	23000	20500	28300	25700	716	522	232	207	149	130	260	209
29	23000	7040	28000	25000	671	471	240	219	168	143	274	224
30	21800	7350	28800	24900	778	543	246	223	196	155	305	241
31	---	---	28800	26700	---	---	244	223	186	162	---	---
MONTH	24900	7040	28800	13200	29000	471	11000	188	538	129	1020	155

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	226	207	5110	4420	---	---	---	---	---	---	10100	6300
2	269	209	---	---	---	---	---	---	---	---	8820	6170
3	227	211	---	---	---	---	---	---	---	---	8320	5660
4	234	212	---	---	---	---	---	---	---	---	7620	5940
5	234	215	---	---	---	---	---	---	7580	5260	10100	6540
6	245	218	---	---	---	---	---	---	6550	4870	11900	8870
7	263	219	---	---	---	---	---	---	8430	4700	12700	10300
8	467	245	---	---	---	---	---	---	9750	7540	16500	11400
9	466	254	---	---	---	---	---	---	8220	4680	16100	12500
10	571	318	---	---	---	---	---	---	12000	6870	14000	9100
11	573	316	---	---	---	---	---	---	14400	10200	10300	6490
12	603	265	---	---	---	---	---	---	14400	11700	8570	6800
13	634	315	---	---	---	---	---	---	14100	11700	10300	7840
14	596	365	---	---	---	---	---	---	13300	11100	---	---
15	569	274	---	---	---	---	---	---	13000	10600	---	---
16	364	293	---	---	---	---	---	---	12200	9620	18800	11300
17	641	304	---	---	---	---	---	---	11300	8820	18600	12500
18	1150	362	---	---	---	---	---	---	10500	8390	18300	17600
19	4050	916	---	---	---	---	---	---	---	---	17900	17200
20	4270	3780	---	---	---	---	---	---	8740	6160	17300	16800
21	4790	3970	---	---	23700	18600	---	---	7610	4940	16900	15900
22	6840	4610	---	---	23300	18000	---	---	6090	3900	16900	14900
23	8350	6350	---	---	22500	20300	---	---	4500	1710	18200	14600
24	8580	7920	---	---	21800	19800	---	---	---	---	18400	17500
25	8450	8040	---	---	19900	17600	---	---	---	---	19000	18100
26	9760	7960	---	---	17800	15300	---	---	---	---	18900	18300
27	9400	8510	---	---	15600	13000	---	---	---	---	---	---
28	8960	7090	---	---	13700	11400	---	---	---	---	20900	19900
29	7950	5720	---	---	11800	7480	---	---	---	---	---	---
30	6550	4310	---	---	---	---	---	---	---	---	20200	19300
31	5740	4240	---	---	---	---	---	---	---	---	21000	19600
MONTH	9760	207	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20800	19000	24300	22600	33100	30900	26900	25500	280	248	236	181
2	20800	20000	23900	23300	32900	31100	26700	25100	294	251	196	166
3	20900	19100	25000	23100	32700	31200	26200	25100	268	229	183	171
4	20500	18600	24000	22800	31800	30800	25900	24500	234	184	197	171
5	21700	19500	23600	22500	31300	29700	25500	24400	194	175	379	176
6	21700	18800	23100	22300	33200	25300	25400	24100	206	182	428	198
7	22800	19700	22900	22000	33000	32100	25900	22700	253	190	461	253
8	22800	21900	24800	21700	32600	31900	24900	22200	283	204	477	244
9	22900	22000	27900	24300	32500	31400	24900	22100	287	202	486	419
10	22800	22000	27700	26700	32400	30900	24400	20500	383	219	479	273
11	22700	21800	27200	26500	32200	30700	22900	14600	340	210	423	201
12	22300	20500	27000	26100	32000	31000	21300	12000	505	265	232	219
13	22100	20600	27600	25700	31900	30600	13600	8980	531	318	315	209
14	21600	20300	28500	25800	31400	26900	10700	1730	423	247	241	209
15	21100	18700	28800	27400	29300	27900	3030	477	347	237	251	195
16	22000	17000	29800	27700	30900	28900	978	406	382	250	344	208
17	24100	16400	30600	27600	30900	29600	1240	409	640	322	453	200
18	23700	16300	30800	29300	30600	29200	790	334	638	410	291	203
19	25400	17900	31200	29100	30700	29800	334	221	634	408	427	178
20	26100	19000	31400	30200	---	---	232	212	622	314	458	178
21	26400	20100	32700	29500	---	---	280	220	599	244	495	231
22	26000	19500	31500	29600	---	---	269	227	289	234	555	389
23	26300	23200	32600	29300	29900	28100	249	227	269	239	673	392
24	26300	25700	30100	29300	29400	26000	255	228	267	237	638	361
25	26200	24000	34900	29700	29500	27400	253	228	291	236	567	348
26	24700	20600	32000	30300	29100	25600	243	224	253	163	1430	384
27	25400	20500	32300	30000	28400	27000	264	224	166	140	2930	211
28	25400	19400	32100	29700	28100	25200	263	235	166	140	319	113
29	24900	23700	31700	29100	27700	26200	287	245	183	152	279	228
30	24500	22300	31900	30100	27400	24900	283	247	189	163	279	214
31	---	---	32500	29500	---	---	375	242	369	177	---	---
MONTH	26400	16300	34900	21700	---	---	26900	212	640	140	2930	113

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(1 FT BELOW SURFACE)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	26.5	26.0	26.9	26.0	---	---	---	---	---	---	23.7	21.9
2	26.9	25.6	---	---	---	---	---	---	---	---	23.7	22.3
3	27.7	26.0	---	---	---	---	---	---	---	---	24.1	20.9
4	28.2	26.5	---	---	---	---	---	---	---	---	24.5	21.6
5	28.2	26.5	---	---	---	---	---	---	18.5	16.8	24.8	22.3
6	29.1	26.5	---	---	---	---	---	---	18.5	16.1	25.2	22.3
7	30.1	26.5	---	---	---	---	---	---	18.5	15.0	25.2	22.6
8	30.1	26.9	---	---	---	---	---	---	18.2	16.0	24.5	23.3
9	30.6	27.7	---	---	---	---	---	---	17.1	11.4	23.7	20.0
10	29.6	28.2	---	---	---	---	---	---	18.2	13.6	22.3	18.2
11	29.1	28.2	---	---	---	---	---	---	19.1	15.5	21.0	18.5
12	28.7	27.7	---	---	---	---	---	---	21.0	17.4	22.6	18.5
13	28.2	26.9	---	---	---	---	---	---	20.3	17.1	23.0	19.7
14	28.7	26.5	---	---	---	---	---	---	19.7	17.1	24.1	20.3
15	28.2	26.4	---	---	---	---	---	---	21.6	18.5	23.0	20.9
16	28.2	26.0	---	---	---	---	---	---	23.7	20.3	23.7	21.6
17	27.7	25.6	---	---	---	---	---	---	24.1	21.6	24.1	23.0
18	27.7	25.2	---	---	---	---	---	---	24.5	21.9	24.5	23.0
19	26.5	25.2	---	---	---	---	---	---	25.2	22.6	24.5	22.6
20	26.9	25.2	---	---	---	---	---	---	25.2	20.6	24.5	22.3
21	26.9	25.6	---	---	21.3	18.5	---	---	21.6	19.1	24.8	23.7
22	27.3	25.6	---	---	20.6	19.4	---	---	21.0	18.2	25.2	24.1
23	28.2	26.5	---	---	20.3	18.5	---	---	20.3	18.2	25.6	24.5
24	28.2	26.5	---	---	19.1	17.7	---	---	21.6	19.1	25.6	24.8
25	28.7	26.5	---	---	19.1	17.1	---	---	22.6	19.1	26.5	24.1
26	29.1	26.0	---	---	18.5	17.1	---	---	22.3	19.4	26.9	22.6
27	27.7	25.6	---	---	18.8	16.6	---	---	23.0	20.0	26.5	24.1
28	26.9	24.5	---	---	18.8	16.8	---	---	24.1	20.9	26.5	25.2
29	26.9	24.8	---	---	19.7	17.7	---	---	---	---	26.9	25.2
30	26.9	25.2	---	---	---	---	---	---	---	---	26.9	25.2
31	27.7	25.2	---	---	---	---	---	---	---	---	26.9	25.6
MONTH	30.6	24.5	---	---	---	---	---	---	---	---	26.9	18.2

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	26.5	24.8	29.1	26.9	31.6	29.6	31.1	29.3	28.5	26.8	28.8	27.9
2	25.6	23.3	29.6	27.3	30.6	28.2	31.0	29.5	27.4	26.5	28.0	27.0
3	26.0	21.5	30.1	28.2	29.6	26.5	31.1	29.4	26.9	25.8	29.4	27.3
4	26.0	24.5	30.1	28.2	28.2	26.0	31.7	29.9	26.5	25.6	29.4	27.1
5	26.0	23.7	30.6	28.6	29.1	27.7	32.7	30.4	27.5	25.7	29.3	27.0
6	25.2	23.7	31.6	29.1	28.9	27.0	32.8	30.5	29.5	26.7	28.0	27.1
7	25.2	24.1	31.6	29.1	30.2	27.1	32.6	30.5	30.4	26.9	27.2	26.6
8	25.6	23.7	30.1	28.6	31.0	28.2	32.1	30.0	29.9	27.5	28.4	25.8
9	26.5	25.2	30.1	28.2	31.0	28.5	32.3	30.5	29.5	27.9	28.4	26.6
10	28.2	25.2	30.6	28.6	31.1	29.4	31.4	30.5	29.5	27.9	28.7	27.0
11	27.7	25.2	31.1	29.6	30.5	28.9	31.2	30.4	30.5	28.2	28.0	27.0
12	26.9	25.2	31.6	30.1	30.2	28.9	31.0	29.3	30.3	28.8	28.8	26.7
13	27.3	26.4	32.2	30.1	29.4	27.5	30.9	29.2	30.6	29.0	29.5	26.8
14	26.9	25.2	32.2	30.6	29.3	26.5	31.0	29.0	31.0	29.4	29.7	27.1
15	27.7	24.8	32.2	30.6	29.4	26.6	30.5	28.0	31.7	29.2	30.6	27.8
16	27.3	25.2	32.2	30.6	29.4	26.7	30.5	27.9	31.4	29.6	30.2	28.1
17	27.3	25.6	31.6	30.6	29.9	26.9	29.9	27.8	31.0	29.5	30.3	28.2
18	27.7	25.6	32.2	30.6	29.0	27.0	27.8	27.0	31.2	29.9	29.4	28.2
19	28.2	26.9	32.2	30.6	29.4	27.0	27.0	25.8	31.5	30.3	30.1	28.4
20	28.7	26.9	31.6	30.6	29.4	27.6	27.4	26.2	31.4	30.0	30.0	28.2
21	29.1	27.7	31.6	30.1	29.0	27.6	29.1	27.0	31.0	29.4	30.2	28.0
22	29.1	28.2	31.6	28.6	29.4	28.0	28.9	27.4	30.5	28.9	29.5	28.1
23	30.1	28.2	33.3	28.6	29.4	27.6	29.1	27.5	29.9	28.2	29.4	28.0
24	29.6	28.2	32.2	28.6	28.0	27.0	29.4	27.5	29.9	28.0	29.9	28.0
25	28.6	26.0	31.1	28.6	28.0	26.6	29.4	27.5	29.4	28.9	29.5	28.3
26	26.5	25.2	30.6	29.1	28.5	26.6	28.0	27.5	28.9	27.0	29.4	28.4
27	26.0	24.8	30.1	28.6	29.8	27.1	29.4	27.0	27.9	26.9	29.9	28.3
28	25.6	24.5	30.1	28.6	29.4	27.5	28.0	27.0	29.1	27.4	29.5	27.9
29	26.9	25.2	30.6	28.6	30.3	27.0	27.8	26.7	29.4	28.0	29.8	27.6
30	28.2	26.5	30.6	28.6	31.0	28.1	27.5	26.6	29.4	27.5	30.4	27.6
31	---	---	31.1	29.6	---	---	27.9	26.5	29.8	27.9	---	---
MONTH	30.1	21.5	33.3	26.9	31.6	26.0	32.8	25.8	31.7	25.6	30.6	25.8

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	26.2	25.8	26.6	26.2	---	---	---	---	---	---	24.7	24.0
2	26.2	25.5	---	---	---	---	---	---	---	---	25.5	23.3
3	27.0	26.2	---	---	---	---	---	---	---	---	24.3	22.6
4	27.5	26.6	---	---	---	---	---	---	---	---	23.3	22.9
5	27.5	26.2	---	---	---	---	---	---	19.8	18.1	24.7	23.3
6	27.5	26.2	---	---	---	---	---	---	18.7	18.1	25.5	24.0
7	27.0	26.2	---	---	---	---	---	---	18.4	17.6	25.9	24.7
8	27.5	26.6	---	---	---	---	---	---	17.8	17.6	26.2	25.5
9	27.9	27.0	---	---	---	---	---	---	17.6	15.1	26.2	24.7
10	27.9	27.5	---	---	---	---	---	---	16.1	15.6	25.5	23.3
11	27.9	27.5	---	---	---	---	---	---	17.3	16.0	24.0	21.9
12	27.5	27.0	---	---	---	---	---	---	20.1	17.3	22.6	21.0
13	27.0	26.6	---	---	---	---	---	---	20.1	17.6	22.9	21.6
14	26.6	26.2	---	---	---	---	---	---	20.4	18.1	23.3	22.3
15	27.0	26.2	---	---	---	---	---	---	20.7	18.1	24.0	22.9
16	26.6	25.8	---	---	---	---	---	---	20.7	19.8	24.3	23.3
17	26.2	25.1	---	---	---	---	---	---	21.6	20.1	23.6	22.6
18	25.8	25.1	---	---	---	---	---	---	22.0	21.0	23.3	22.6
19	25.9	24.7	---	---	---	---	---	---	22.3	21.0	23.3	22.9
20	26.2	25.8	---	---	---	---	---	---	23.6	21.3	23.3	22.9
21	26.6	26.2	---	---	20.7	20.4	---	---	24.7	22.6	23.6	23.3
22	27.5	26.2	---	---	21.0	20.7	---	---	23.3	21.3	24.7	23.3
23	27.9	27.0	---	---	21.0	21.0	---	---	23.3	20.1	25.5	23.6
24	27.9	27.5	---	---	21.0	20.7	---	---	24.3	19.5	25.5	23.6
25	27.9	27.5	---	---	21.0	20.7	---	---	23.6	20.1	26.6	24.7
26	28.7	27.9	---	---	20.7	20.7	---	---	23.3	20.7	27.0	25.5
27	28.7	27.9	---	---	20.7	20.4	---	---	23.3	21.3	27.5	24.7
28	27.9	27.0	---	---	20.7	20.1	---	---	24.0	22.9	27.5	25.5
29	27.5	26.6	---	---	20.1	18.7	---	---	---	---	27.5	25.5
30	26.6	26.2	---	---	---	---	---	---	---	---	27.5	25.8
31	26.6	26.2	---	---	---	---	---	---	---	---	27.9	25.8
MONTH	28.7	24.7	---	---	---	---	---	---	---	---	27.9	21.0

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	32.6	27.0	27.0	25.8	30.1	29.2	28.8	27.0	28.3	27.0	27.8	27.4
2	31.6	26.2	26.2	26.2	30.6	29.6	27.8	27.0	27.8	26.0	27.4	26.5
3	27.5	22.2	26.6	26.2	29.6	29.6	28.3	27.4	27.4	25.7	27.5	26.9
4	26.2	24.3	27.0	26.2	29.6	29.2	28.3	27.4	25.9	24.9	28.3	26.5
5	26.2	24.7	27.5	26.2	29.2	29.2	28.3	27.4	27.8	25.3	27.6	26.5
6	27.0	24.3	27.5	26.6	29.2	26.7	27.8	27.4	28.3	26.1	27.4	26.5
7	26.2	24.0	27.5	27.0	27.8	27.8	30.7	27.6	27.8	26.1	26.5	25.7
8	25.8	24.7	29.2	27.0	27.8	27.4	29.2	27.8	28.5	26.5	25.7	24.9
9	25.1	24.3	29.2	28.7	27.8	27.4	31.8	28.0	30.8	27.2	26.1	25.2
10	25.1	24.3	29.2	29.2	27.8	27.4	33.0	28.3	29.7	27.4	28.8	25.7
11	24.7	24.3	29.2	29.2	27.8	27.4	33.5	29.7	28.3	27.4	27.8	26.1
12	25.8	24.7	29.7	29.2	27.9	27.4	33.5	28.8	28.3	27.8	27.4	26.1
13	25.5	25.1	30.6	29.2	27.8	27.4	34.1	28.8	28.3	27.8	27.4	26.1
14	25.8	25.1	31.1	30.1	---	---	32.3	29.2	30.2	27.8	27.4	26.5
15	25.8	25.5	31.6	30.1	---	---	33.5	26.5	30.2	28.6	28.5	26.9
16	26.2	25.5	31.1	30.6	---	---	31.8	26.1	30.2	28.8	27.8	27.0
17	27.0	26.2	31.1	30.1	29.2	27.4	31.1	27.0	30.2	28.8	27.8	27.4
18	27.9	26.6	31.6	30.6	29.3	27.4	28.9	27.8	30.1	28.8	27.8	27.4
19	28.7	27.0	31.6	31.1	28.3	27.4	28.9	26.1	30.2	28.8	27.8	27.4
20	27.9	27.5	31.1	29.6	28.4	27.4	27.9	25.7	30.2	28.8	27.8	27.4
21	28.7	27.9	30.1	29.2	28.4	27.4	28.8	26.5	30.2	28.8	27.8	27.2
22	30.1	28.3	29.7	29.2	27.8	27.4	27.4	26.5	29.6	28.3	27.8	27.4
23	28.7	28.3	29.7	29.2	27.8	27.4	30.2	27.0	29.2	27.8	27.8	27.0
24	28.7	28.3	29.2	29.2	27.7	27.4	28.8	27.4	30.2	27.6	27.7	27.0
25	28.7	27.0	29.2	28.7	28.8	27.4	28.5	26.7	29.7	27.8	27.8	27.1
26	27.4	25.8	29.2	28.7	31.8	27.0	28.8	27.0	28.3	26.1	28.3	27.4
27	26.2	25.1	29.2	28.7	31.3	27.0	28.6	26.5	28.3	26.1	29.2	27.8
28	26.2	25.5	29.2	29.2	29.3	27.4	29.7	26.4	28.9	26.8	27.8	27.4
29	26.2	25.5	29.7	28.3	28.8	27.4	28.9	26.1	27.8	27.4	27.8	27.0
30	26.2	25.5	29.2	28.7	28.0	27.0	28.3	27.4	27.8	27.3	27.4	27.0
31	---	---	29.7	29.2	---	---	28.3	26.5	28.3	27.4	---	---
MONTH	32.6	22.2	31.6	25.8	---	---	34.1	25.7	30.8	24.9	29.2	24.9

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	12.36	10.00	12.20	10.94	11.20	9.38	12.23	9.95	11.73	9.26	12.17	9.18
2	12.21	9.99	11.87	10.48	11.27	9.38	12.48	9.99	12.02	9.23	11.84	9.57
3	12.53	10.70	11.78	10.23	11.39	9.26	12.27	9.70	12.02	9.92	11.02	9.05
4	13.41	11.53	11.77	9.76	11.47	9.17	11.69	9.12	11.29	9.43	10.68	9.03
5	13.22	10.64	11.47	9.22	11.59	9.05	11.74	9.17	9.90	8.38	11.19	9.33
6	12.35	10.58	12.04	9.35	11.75	9.00	11.68	9.09	10.68	8.87	11.56	9.52
7	12.31	10.53	12.24	9.55	11.89	9.22	12.44	9.72	10.79	8.98	11.49	9.76
8	12.03	10.00	12.73	9.97	11.86	9.13	11.77	9.25	11.21	9.29	11.27	9.01
9	11.81	9.78	11.27	8.97	12.01	9.32	10.38	8.89	11.38	9.38	10.49	8.54
10	12.23	10.06	11.50	9.28	12.21	9.18	10.87	9.18	11.50	9.65	10.45	8.77
11	12.25	10.01	11.97	9.62	10.22	8.66	11.13	9.32	11.66	9.61	10.17	8.74
12	11.87	9.90	12.41	9.14	10.80	8.94	11.65	9.97	11.04	9.77	11.21	8.63
13	11.82	9.87	11.15	9.45	11.15	9.37	10.69	9.26	11.01	8.99	11.41	8.89
14	12.14	10.04	11.26	9.88	11.37	9.64	11.31	9.29	11.45	9.01	11.36	8.97
15	12.65	10.10	10.80	9.47	11.20	9.62	11.49	9.25	11.85	9.20	11.68	9.07
16	11.02	9.37	11.01	9.46	11.67	9.88	11.74	9.13	11.91	9.58	11.72	9.27
17	11.00	9.40	11.43	9.78	11.86	9.68	12.10	9.17	11.28	8.64	11.75	9.38
18	11.85	10.39	11.76	9.60	12.46	9.55	12.60	9.22	11.44	9.00	11.91	9.56
19	11.86	10.48	11.74	9.52	12.89	9.84	12.60	9.48	11.64	9.21	12.24	9.84
20	12.26	10.53	12.17	9.32	12.82	10.20	11.56	8.96	11.78	9.39	11.40	9.43
21	12.29	9.88	12.17	9.41	11.97	9.06	11.74	9.16	11.07	9.15	11.08	9.30
22	11.52	9.51	11.93	9.10	12.05	9.12	11.09	8.82	11.21	9.29	10.94	9.02
23	11.76	9.62	12.08	9.18	11.89	9.29	11.13	9.00	11.02	9.29	11.23	9.02
24	12.03	9.60	12.43	9.32	11.88	9.11	11.67	9.65	11.12	9.22	11.51	9.10
25	12.17	9.56	12.44	9.41	11.41	9.09	10.94	9.11	11.01	9.07	11.69	9.25
26	12.56	9.64	11.46	9.08	11.68	9.48	11.50	9.39	10.99	9.14	11.38	9.43
27	12.60	9.81	11.53	9.28	11.34	9.59	11.52	9.87	10.98	9.10	11.82	9.28
28	12.92	9.97	11.73	9.40	11.20	9.76	10.89	8.97	11.22	9.04	11.70	9.72
29	11.83	9.16	11.36	9.99	11.13	9.35	11.54	9.18	10.82	9.23	10.94	9.42
30	11.29	9.29	11.07	9.48	11.78	9.49	11.35	9.28	---	---	11.73	9.35
31	11.76	9.87	---	---	12.21	9.63	11.43	9.26	---	---	10.94	9.46
MONTH	13.41	9.16	12.73	8.97	12.89	8.66	12.60	8.82	12.02	8.38	12.24	8.54

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.55	9.89	10.81	9.17	11.73	9.11	12.17	9.24	12.27	9.60	11.56	9.73
2	11.43	9.11	11.13	9.01	11.98	9.10	12.24	9.37	12.05	9.74	11.60	9.74
3	11.04	9.14	11.74	9.23	12.18	9.12	12.09	9.41	11.57	9.79	11.64	9.74
4	11.71	9.48	11.73	9.21	12.32	9.32	12.03	9.39	11.41	9.77	11.50	10.00
5	11.73	9.37	11.86	9.18	11.94	9.38	11.73	9.51	11.41	9.75	11.68	10.09
6	11.98	9.37	11.96	9.17	11.64	9.28	12.12	9.80	11.49	9.75	11.72	9.78
7	11.75	9.51	11.90	9.17	11.44	9.23	11.15	9.89	11.51	9.81	11.44	9.82
8	11.79	9.33	11.77	9.20	11.49	9.38	11.37	9.82	11.68	9.68	11.69	9.71
9	11.79	9.25	11.60	9.15	11.46	9.80	11.51	9.82	11.71	9.68	11.69	9.73
10	11.11	9.23	11.22	9.32	11.39	9.76	11.69	9.54	11.82	9.76	11.84	9.68
11	11.14	8.86	11.18	9.28	11.73	9.60	11.59	9.53	11.98	9.69	11.91	9.95
12	11.43	9.04	11.28	9.61	11.71	9.56	11.61	9.41	12.09	9.68	11.85	9.92
13	11.50	9.37	11.39	9.63	11.53	9.34	11.76	9.33	11.97	9.71	11.86	9.88
14	11.50	9.58	11.12	9.17	11.59	9.32	11.86	9.47	11.95	9.62	11.67	9.84
15	11.59	9.69	11.42	9.26	11.75	9.21	11.91	9.40	12.07	9.66	11.66	9.69
16	11.40	9.05	11.61	9.24	11.77	9.33	11.73	9.43	11.76	9.73	11.86	9.93
17	10.92	9.04	11.66	9.32	11.73	9.50	11.68	9.23	11.75	9.70	12.12	10.07
18	11.49	9.31	11.76	9.21	11.74	9.59	11.40	9.27	11.50	9.72	12.01	9.95
19	11.59	9.23	11.71	9.18	11.67	9.49	11.64	9.27	11.03	9.67	11.63	9.70
20	11.54	9.23	11.80	9.24	11.69	9.35	11.37	9.57	11.63	9.71	11.75	9.61
21	11.55	9.19	11.75	9.36	11.39	10.08	11.18	9.68	11.54	9.42	11.98	9.89
22	11.56	9.03	11.66	9.53	11.11	10.13	11.27	9.78	11.77	9.63	12.13	9.89
23	11.45	9.28	11.03	9.46	11.07	9.81	11.43	9.93	11.95	9.61	11.66	9.64
24	11.24	9.33	11.09	9.19	11.07	9.66	11.78	9.91	11.82	9.48	11.79	9.62
25	11.03	9.10	11.08	9.35	11.22	9.68	11.54	9.56	11.88	9.32	11.95	9.78
26	11.03	9.32	11.21	9.53	11.49	9.42	11.56	9.36	11.87	9.29	12.13	9.75
27	10.72	9.32	11.23	9.70	11.74	9.57	11.95	9.29	11.41	9.49	11.90	9.60
28	10.89	9.20	11.51	9.79	11.71	9.38	11.91	9.21	12.08	9.62	11.76	9.56
29	11.20	9.35	11.61	9.67	11.70	9.25	12.10	9.30	11.81	9.47	11.97	9.60
30	11.91	9.85	12.34	9.79	11.77	9.15	12.43	9.35	11.88	9.57	11.92	9.47
31	---	---	11.70	9.19	---	---	12.36	9.47	11.77	9.58	---	---
MONTH	11.98	8.86	12.34	9.01	12.32	9.10	12.43	9.21	12.27	9.29	12.13	9.47

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

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02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	358	261	1440	258	10800	8500	21300	17700	13800	5860	19100	12900
2	403	262	294	218	10600	8090	19000	12100	13600	6170	17700	12600
3	3790	332	294	229	10500	8540	13800	464	12300	7790	16300	3060
4	8510	723	361	229	10600	7070	706	387	8790	3680	6150	600
5	9620	407	326	232	11200	8860	547	391	3680	995	1190	567
6	466	353	359	225	12500	8510	997	424	2620	1140	2010	733
7	381	298	428	249	13700	8990	1070	499	3840	749	2530	982
8	389	334	437	310	14200	8780	940	612	8370	1450	3870	1350
9	392	323	365	284	14700	10300	655	476	10800	3280	3240	2330
10	385	335	562	270	15800	10300	629	469	9920	6970	2790	1920
11	387	342	660	318	12000	10300	589	379	12200	6810	2490	2030
12	404	365	573	407	11800	9650	499	393	9570	6920	2270	2050
13	431	385	554	385	13300	9980	420	369	8180	4520	2410	1740
14	457	387	519	409	14900	11600	397	367	11700	4660	5000	1660
15	473	400	529	421	16900	12500	490	370	16200	7850	8830	2110
16	497	440	621	408	18100	13600	580	377	16100	11400	10500	3830
17	508	456	837	448	18500	14500	666	422	12300	8450	10900	7040
18	518	465	1810	443	19800	14400	2100	397	12700	7850	10600	7420
19	785	486	2610	536	21000	15500	2100	492	14300	9680	10600	8490
20	703	475	4080	793	21000	16100	1280	602	14600	10900	12600	9940
21	632	500	4220	1120	18400	15400	1400	557	15100	10900	11100	8950
22	624	525	4850	1800	18900	14500	1080	539	14900	11700	11000	9970
23	838	537	7220	2830	18100	15600	1320	522	15700	13000	10300	9390
24	1020	579	8580	4250	18100	15000	3980	726	14700	12300	11500	9110
25	1700	615	9230	4750	17200	13700	2770	1120	14900	11900	15300	8850
26	3620	776	7510	4640	18100	15000	3840	1340	16100	12000	16600	9680
27	6580	1470	9950	6270	18000	15400	7850	1960	17500	12000	17000	12700
28	8610	3820	11400	7880	19000	15600	5040	1330	18200	12200	19200	12100
29	6900	2770	13000	9830	18000	12300	8340	2670	---	---	17700	12300
30	5280	3040	11100	7780	19200	14900	11500	5060	---	---	20200	3070
31	7440	1190	---	---	21000	15300	13600	7590	---	---	11600	647
MONTH	9620	261	13000	218	21000	7070	21300	367	---	---	20200	567

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	1750	591	17700	13200	1030	600	625	539	16200	11400	20900	16800
2	899	555	16400	11700	1170	674	831	577	17100	13000	22000	18900
3	693	539	15100	10400	4710	795	1060	589	17300	13200	23000	17700
4	717	509	16300	12000	9530	876	1700	617	17200	14200	22200	18200
5	893	556	15800	10800	9050	1430	1130	682	17200	10700	23300	19100
6	1230	604	15400	11300	11100	2230	910	635	16700	5780	25100	19500
7	2350	662	17000	11700	12400	6190	637	573	15500	8660	26200	22000
8	2220	929	18300	12400	14600	7140	621	579	14400	7890	26100	21500
9	2830	931	18100	11700	15200	9350	636	590	14500	9550	25700	23300
10	2960	939	19200	13300	16800	11400	691	606	13700	10900	26100	21300
11	2040	964	18800	13800	15000	11600	727	633	14300	11000	24900	22100
12	3190	784	18300	13800	15900	4200	821	631	14500	10600	24300	18000
13	6400	1050	17900	12400	9930	3150	866	677	13600	9030	22600	17800
14	8780	2170	16700	10600	9900	3730	1190	731	12600	8600	21300	18700
15	9700	4480	15400	9420	10600	3570	1390	722	12200	8980	21000	14500
16	10600	5740	16300	9280	10600	1090	853	715	11400	7780	21800	17400
17	9100	5660	18500	12500	1200	575	832	159	11100	5810	23000	20900
18	7760	4550	19600	10600	686	521	696	456	10200	5690	24200	21200
19	10300	6790	19400	8900	596	522	2020	473	10100	5290	24100	17600
20	12800	7830	20200	15400	725	551	1360	598	9520	6290	23500	17900
21	14100	9320	21800	16400	569	502	1830	775	10400	6870	23800	18600
22	15200	10500	21400	2520	502	465	2310	973	12300	8180	25200	21000
23	15500	11000	15500	984	489	455	5790	1340	15500	9710	23700	13900
24	17900	11900	12200	893	494	458	7540	3890	16700	12300	22200	17900
25	18400	13900	11400	1430	511	468	8230	4810	16900	11100	22100	18700
26	18700	13300	12700	4660	548	472	9860	6000	16600	11800	22300	17400
27	19000	13100	13200	6260	563	478	10100	6630	16800	13500	23500	19200
28	18200	15800	14100	6070	539	487	9720	7740	18100	12700	25200	21800
29	17400	15000	13100	6710	554	507	12900	8780	18200	12600	26300	19100
30	17400	8410	14000	1020	572	529	14700	9230	19000	12700	26700	23100
31	---	---	1100	656	---	---	15300	10800	19900	14800	---	---
MONTH	19000	509	21800	656	16800	455	15300	159	19900	5290	26700	13900

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	1370	134	10400	247	14700	13000	21300	17400	14100	10600	18600	18000
2	588	270	266	234	13900	10800	20900	17400	13800	11500	18700	17600
3	7780	376	437	230	13200	10400	20500	17300	13000	10100	18400	17400
4	11300	7780	329	234	12600	9640	19900	15600	12500	4400	17900	16300
5	11000	9630	355	247	12300	9240	16600	7400	5150	2600	16500	11700
6	10200	8620	531	282	12200	9650	8450	6200	6010	3250	---	---
7	10200	209	531	309	13800	11000	6910	1990	7280	3530	---	---
8	412	349	485	331	14700	11100	2120	526	---	---	---	---
9	490	361	580	303	15300	11600	617	397	---	---	---	---
10	487	393	663	338	15400	10100	622	375	---	---	---	---
11	450	393	683	406	11500	8720	478	366	---	---	---	---
12	444	180	584	437	13100	9510	533	316	---	---	---	---
13	493	433	741	373	13500	10300	352	286	---	---	---	---
14	599	456	823	459	17000	11000	474	290	---	---	---	---
15	540	446	741	455	17600	14300	551	316	---	---	---	---
16	566	491	853	596	18100	13900	472	328	---	---	---	---
17	563	508	995	739	18700	15000	496	330	---	---	---	---
18	751	563	2920	986	18900	14900	4190	328	14600	10800	---	---
19	1520	518	3640	2470	20500	18500	2990	1930	---	---	---	---
20	4210	1240	4830	3170	20500	17000	2270	828	---	---	---	---
21	4210	566	6430	4830	18200	12900	1940	1060	---	---	---	---
22	994	608	6350	4210	19100	13600	1490	550	---	---	---	---
23	827	659	8470	4810	18300	12400	3500	600	---	---	---	---
24	1900	740	13000	8100	18000	12900	6580	1620	---	---	---	---
25	13600	1090	10600	8410	17700	13100	6730	3190	---	---	---	---
26	10300	2940	9640	7150	19100	14000	7130	3340	---	---	---	---
27	---	---	11500	7720	18900	14000	11600	7090	---	---	---	---
28	---	---	14200	9840	18800	14500	11600	8680	---	---	---	---
29	10700	8330	15300	12000	18000	13700	11100	7350	---	---	---	---
30	9360	6270	15200	12900	19200	14600	13100	10800	---	---	---	---
31	10600	6770	---	---	21500	18000	14200	10700	---	---	---	---
MONTH	---	---	15300	230	21500	8720	21300	286	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	16000	13300	---	---	16400	14900	1310	786	16200	14600	---	---
2	13600	11500	---	---	15000	12600	1280	870	16600	15300	---	---
3	11900	3030	---	---	12900	6590	1360	1200	16800	16200	24300	21500
4	4200	1730	---	---	13500	7000	2950	1270	16900	16400	22300	21600
5	5180	560	---	---	11500	9200	2850	1240	16600	16300	23200	21500
6	4120	457	---	---	13600	3190	2430	894	16700	16300	26100	22900
7	4250	1220	---	---	13300	10000	919	836	16400	16100	25800	25300
8	5440	3350	---	---	15400	12800	1160	852	16300	15500	25800	25100
9	5290	3420	---	---	16200	14700	1290	1100	16200	15500	25800	24400
10	6810	4210	---	---	17500	15800	1350	1060	15800	15100	24900	24000
11	---	---	---	---	17300	16500	1370	806	15600	14700	24800	24000
12	---	---	---	---	16800	15800	1310	1030	---	---	24700	24100
13	---	---	---	---	16600	15900	2080	950	---	---	24600	23900
14	---	---	---	---	16300	15300	2170	1170	---	---	24300	23600
15	---	---	---	---	16000	15100	2400	910	---	---	24000	22800
16	---	---	---	---	15700	11100	1630	1510	---	---	23700	21200
17	---	---	---	---	18400	13600	2480	225	---	---	23600	21500
18	---	---	---	---	14400	13500	1080	578	14200	13300	23400	23200
19	---	---	---	---	14200	13200	3260	910	13700	11400	23500	23000
20	---	---	---	---	15300	685	7770	2480	13100	12100	23300	22700
21	---	---	---	---	702	655	4210	2390	---	---	23200	22500
22	---	---	---	---	809	627	6470	2800	---	---	23500	22200
23	---	---	---	---	643	619	8720	5400	---	---	23300	22600
24	---	---	21200	20100	715	625	10500	8680	---	---	23000	21700
25	---	---	20900	20100	872	428	11400	10400	---	---	22700	20800
26	---	---	29100	17400	1370	439	11700	10800	---	---	21700	19300
27	---	---	21600	19400	1030	706	12200	10100	---	---	22700	21200
28	---	---	---	---	1110	846	20600	10100	18000	15500	23300	22100
29	---	---	---	---	1100	552	20600	11300	18100	17800	24900	22900
30	---	---	---	---	5470	740	15500	12400	20500	17700	25300	22900
31	---	---	18000	16100	---	---	15500	14200	---	---	---	---
MONTH	---	---	---	---	18400	428	20600	225	---	---	---	---

MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	30.9	28.1	24.1	23.3	22.6	21.5	17.9	16.3	21.1	18.5	24.4	23.2
2	30.4	28.3	24.6	23.1	22.6	21.5	19.9	17.1	21.9	18.5	23.7	21.5
3	29.1	28.1	25.4	23.7	22.5	21.5	19.3	17.2	21.9	18.5	22.6	19.5
4	28.7	27.6	25.2	23.7	22.6	20.4	18.3	16.7	19.5	14.4	21.1	18.5
5	28.4	26.9	25.1	23.1	25.2	21.4	17.9	16.2	14.6	11.1	20.8	18.2
6	27.5	26.9	24.5	23.3	22.6	21.5	18.1	16.0	15.9	12.0	21.2	18.5
7	28.0	26.6	25.2	23.5	22.6	21.1	17.4	15.7	16.1	12.5	22.9	19.7
8	27.5	26.6	24.5	23.3	23.4	21.1	15.7	13.3	16.0	14.8	24.1	20.9
9	28.0	26.4	23.3	21.3	23.7	21.9	14.6	12.7	17.4	15.6	22.9	19.5
10	27.6	27.0	22.7	20.8	23.7	20.1	14.9	12.9	18.9	16.5	19.5	16.5
11	28.9	26.6	23.8	21.1	20.2	18.2	15.3	13.1	19.8	18.5	16.7	14.6
12	28.0	26.6	23.3	20.9	19.0	17.4	15.1	13.9	18.6	17.5	15.0	13.0
13	28.9	27.0	21.4	19.8	19.6	17.7	14.8	13.2	18.5	13.9	14.7	12.2
14	28.0	27.1	20.8	19.8	21.8	18.9	15.6	12.9	18.6	14.9	16.0	13.4
15	27.9	26.9	19.9	18.8	22.2	19.8	15.9	13.2	17.4	16.8	16.5	14.0
16	27.0	25.3	20.7	18.0	21.5	20.5	16.8	14.4	17.7	16.0	18.1	14.8
17	25.7	24.9	20.5	17.7	22.4	20.8	16.9	14.7	16.4	12.2	19.6	17.3
18	25.4	24.6	20.4	18.0	22.2	19.9	18.9	15.7	16.5	13.8	21.4	17.8
19	26.8	24.7	20.4	18.2	21.8	21.1	18.8	16.9	18.6	14.9	23.2	20.1
20	26.0	24.8	19.5	18.2	21.5	18.9	17.7	14.9	18.6	16.3	22.6	19.7
21	25.3	24.3	19.7	18.4	19.5	17.3	17.8	15.5	19.9	18.2	19.8	18.5
22	25.7	23.3	19.5	17.2	18.4	16.0	18.6	15.9	21.5	19.5	18.5	16.7
23	25.3	23.3	19.3	17.3	17.2	15.3	19.2	16.2	22.9	21.1	18.4	16.0
24	25.7	24.1	20.0	18.2	16.0	14.3	21.4	17.4	23.9	22.2	19.9	16.6
25	25.8	24.4	20.2	18.5	14.9	13.7	19.5	17.3	24.1	22.9	19.6	17.1
26	27.0	24.3	20.1	17.9	15.2	13.9	19.5	17.1	25.0	22.8	21.1	18.5
27	27.0	25.1	21.1	18.8	14.9	14.3	20.1	18.3	24.1	22.9	22.7	20.2
28	27.5	26.6	22.2	20.4	14.9	13.8	19.2	16.7	24.5	22.6	23.3	21.3
29	27.0	24.4	22.6	21.8	15.2	12.5	19.4	17.1	---	---	24.5	21.5
30	26.6	23.7	22.9	20.8	16.0	14.3	18.9	18.4	---	---	24.9	21.5
31	25.3	24.0	---	---	17.1	15.4	19.7	18.6	---	---	24.9	22.2
MONTH	30.9	23.3	25.4	17.2	25.2	12.5	21.4	12.7	---	---	24.9	12.2

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	24.9	22.6	28.1	26.6	29.1	27.0	29.6	26.9	31.0	28.9	31.0	29.9
2	23.2	21.5	28.4	24.3	28.5	26.4	30.5	27.3	31.0	29.4	32.1	30.5
3	22.6	20.6	28.4	24.7	27.0	25.7	30.5	27.9	31.0	29.4	33.1	31.0
4	23.1	20.0	28.0	25.9	27.6	25.5	30.5	28.9	30.5	29.4	32.7	31.0
5	23.0	21.1	28.9	25.3	28.4	26.6	29.4	28.0	32.1	29.9	32.5	31.0
6	24.1	21.5	28.9	27.0	29.2	27.5	29.4	27.5	31.0	30.5	32.1	31.0
7	23.7	22.5	29.4	27.0	29.4	28.0	29.6	27.5	31.0	30.5	32.5	31.5
8	23.7	22.3	29.4	27.2	30.5	28.5	31.5	28.0	31.0	30.5	31.8	30.5
9	22.9	21.1	28.9	27.1	30.5	28.4	30.5	28.9	31.0	30.5	31.1	29.5
10	22.5	20.7	28.5	27.0	29.9	28.3	30.0	28.0	31.0	29.8	31.0	29.4
11	22.2	19.8	28.9	27.0	29.4	28.1	31.0	28.3	31.0	30.0	30.0	28.7
12	22.9	19.8	28.9	27.5	30.0	27.5	31.5	29.2	31.0	29.4	30.3	28.5
13	22.6	19.5	30.4	28.4	30.5	27.5	30.5	29.4	31.0	29.3	30.5	29.4
14	24.1	20.2	30.5	28.4	31.0	28.5	30.7	29.4	31.0	29.4	30.8	29.9
15	24.5	21.9	30.5	28.0	31.0	28.9	31.0	29.4	32.1	29.9	31.1	29.4
16	25.4	22.9	29.4	26.2	29.9	27.6	32.1	29.4	32.0	29.9	30.7	29.4
17	24.5	22.2	29.3	26.1	29.4	27.8	32.1	27.3	31.6	29.9	31.5	30.3
18	25.6	20.8	28.4	26.6	30.5	27.7	31.6	29.4	32.3	29.6	32.2	30.5
19	24.1	21.8	28.5	27.0	31.2	28.0	31.0	29.4	32.0	29.9	33.1	31.0
20	24.5	22.2	29.0	26.6	29.9	27.5	31.8	29.4	30.9	29.4	32.7	31.0
21	25.3	22.9	28.4	27.0	28.0	27.0	32.1	30.5	31.0	28.4	31.2	29.9
22	26.0	23.5	28.0	25.7	27.5	26.6	32.1	30.5	31.9	28.9	30.5	29.4
23	26.1	24.1	28.9	26.0	28.4	27.0	32.3	31.0	31.6	29.4	31.0	29.4
24	26.6	24.9	28.4	26.4	29.3	27.0	32.3	31.0	30.5	29.3	30.5	28.4
25	26.6	24.9	29.4	27.5	31.1	27.6	32.7	31.0	31.0	28.9	29.9	27.5
26	27.0	24.7	29.7	28.0	31.1	29.0	33.3	31.5	31.0	28.4	29.4	26.6
27	27.0	25.7	30.8	28.9	29.4	28.0	33.3	30.6	30.5	28.2	29.4	27.0
28	28.9	25.7	31.5	29.4	29.4	27.5	32.1	29.5	29.9	28.7	28.9	27.0
29	29.0	27.0	31.0	29.4	30.0	27.5	31.5	29.4	31.0	28.9	30.0	27.6
30	29.4	27.0	30.5	28.0	29.6	27.5	30.5	29.0	31.0	29.4	30.3	28.0
31	---	---	29.4	27.5	---	---	31.0	28.9	31.0	29.4	---	---
MONTH	29.4	19.5	31.5	24.3	31.2	25.5	33.3	26.9	32.3	28.2	33.1	26.6

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	27.6	27.0	24.9	23.0	22.3	21.3	16.5	15.7	20.5	17.6	24.1	22.6
2	28.3	27.4	24.1	22.6	22.3	21.3	16.5	16.0	22.3	18.1	23.5	22.6
3	28.3	27.8	25.1	23.2	21.9	20.8	16.8	16.0	22.6	20.9	23.0	22.3
4	28.7	27.6	24.9	23.4	22.1	20.7	17.6	15.9	22.3	16.2	22.3	21.9
5	27.8	27.7	23.5	22.3	22.6	20.7	18.2	16.0	16.5	13.4	21.9	20.6
6	27.8	27.4	23.4	22.3	22.6	20.6	18.4	16.0	15.9	12.4	---	---
7	27.4	26.1	23.4	22.6	22.7	21.3	18.8	17.3	16.5	13.0	---	---
8	26.1	25.7	24.1	23.0	23.4	21.3	17.3	12.6	17.9	14.2	---	---
9	26.5	25.7	23.0	20.5	24.1	21.9	14.5	12.1	19.1	14.9	---	---
10	26.5	26.1	21.6	19.7	24.5	19.4	14.7	12.2	19.4	17.0	---	---
11	27.0	26.1	21.9	20.3	20.8	17.3	14.2	12.0	21.6	16.8	---	---
12	27.4	26.1	22.3	20.6	20.3	17.0	14.9	13.2	20.3	19.3	---	---
13	27.4	26.1	20.6	18.8	20.3	17.3	14.7	12.6	20.3	17.6	---	---
14	27.4	26.5	20.3	18.7	21.3	19.0	13.3	12.2	19.9	17.0	---	---
15	27.1	26.1	20.0	18.4	21.9	19.6	13.5	12.6	19.3	15.2	---	---
16	26.1	24.9	18.8	16.8	23.0	20.9	15.0	12.6	19.3	16.8	---	---
17	25.1	24.5	17.6	16.8	23.4	21.6	15.2	13.7	18.3	15.4	---	---
18	24.5	23.7	18.7	17.3	23.4	20.9	18.1	14.4	16.8	14.4	---	---
19	25.6	24.1	19.4	18.2	23.0	21.9	19.0	17.6	17.6	14.7	---	---
20	25.4	24.9	19.4	18.7	21.9	19.4	17.9	14.7	19.3	16.0	---	---
21	25.3	23.7	19.7	18.5	20.0	17.0	16.8	15.4	19.4	16.0	---	---
22	24.1	22.3	20.0	18.7	17.9	16.1	17.3	14.7	20.3	16.5	---	---
23	24.1	22.6	19.0	17.6	16.8	15.4	18.8	15.7	21.6	16.8	---	---
24	24.1	23.0	20.0	18.4	15.5	14.0	19.8	18.7	21.6	17.3	---	---
25	25.2	24.1	20.0	18.7	14.7	13.3	19.7	17.6	21.3	18.2	---	---
26	25.7	24.9	20.3	18.5	14.7	13.3	19.4	17.9	24.1	18.9	---	---
27	26.5	25.7	20.6	19.0	14.7	14.0	19.9	19.0	24.1	20.6	---	---
28	27.4	26.1	21.6	20.0	14.7	14.4	20.0	17.9	24.2	21.9	---	---
29	27.8	24.6	21.6	20.6	15.7	13.7	19.4	17.9	---	---	---	---
30	27.8	24.1	21.9	21.2	15.2	14.5	19.4	17.0	---	---	---	---
31	25.1	24.1	---	---	16.3	15.0	20.2	17.3	---	---	24.1	23.4
MONTH	28.7	22.3	25.1	16.8	24.5	13.3	20.2	12.0	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	24.1	23.7	29.2	27.8	29.7	29.0	28.8	27.6	31.3	30.2	31.8	31.8
2	24.1	24.1	27.8	27.8	29.2	28.5	28.3	27.8	31.8	31.3	31.8	31.8
3	24.1	22.3	27.8	27.8	28.8	27.3	28.8	27.8	31.8	31.8	32.4	31.8
4	22.4	20.7	27.8	27.8	27.8	27.4	30.2	28.3	31.8	31.3	32.9	32.3
5	22.3	21.6	27.8	27.8	28.3	27.8	30.2	28.8	31.3	30.7	32.9	31.8
6	22.6	21.9	28.3	27.8	29.2	28.3	29.6	27.8	31.3	31.3	32.3	31.8
7	24.1	22.6	28.9	27.8	30.2	28.8	29.2	28.3	31.8	31.3	32.3	31.8
8	24.1	23.7	29.2	28.5	30.7	29.7	29.5	28.8	31.3	31.3	32.3	31.8
9	24.1	23.0	29.2	28.8	30.7	30.2	29.7	28.8	31.3	31.3	32.3	30.7
10	23.0	22.3	29.2	28.8	30.5	30.2	30.2	28.8	31.6	31.3	31.3	30.7
11	23.0	22.6	28.8	28.4	30.2	29.7	29.7	29.2	31.3	31.3	31.3	31.2
12	22.7	21.0	28.8	28.8	30.2	29.7	29.7	29.2	31.3	29.8	31.3	31.2
13	22.3	21.6	28.8	28.8	30.2	29.7	30.2	29.3	31.3	30.8	31.3	31.2
14	23.4	22.3	29.2	28.8	30.2	29.7	30.2	29.7	31.3	30.7	31.3	31.2
15	24.1	23.3	29.7	29.2	30.2	29.7	30.4	30.2	31.3	30.7	31.3	31.0
16	24.9	23.4	29.7	28.3	30.2	29.7	30.2	29.7	31.3	30.9	31.3	31.2
17	24.9	24.1	28.3	28.3	30.2	29.7	30.2	30.2	31.3	30.8	31.3	30.9
18	24.8	23.4	28.3	28.3	29.9	29.6	30.2	29.8	31.3	31.2	31.3	31.3
19	24.1	23.5	28.8	28.3	29.7	29.2	30.7	29.7	31.3	31.2	31.6	31.3
20	24.9	24.1	28.5	28.3	29.2	27.8	30.7	30.2	31.3	31.2	31.8	31.3
21	25.3	24.5	28.8	28.4	28.8	27.8	31.8	30.2	31.3	30.3	31.8	31.3
22	26.1	25.3	28.8	28.6	28.3	27.4	32.3	31.3	31.3	30.2	31.3	30.2
23	26.5	25.9	28.8	26.3	28.8	27.8	32.9	31.8	31.3	30.7	30.2	30.2
24	27.0	26.5	28.3	28.3	29.3	27.8	32.9	32.8	31.3	30.5	30.7	30.2
25	27.4	26.7	28.3	28.3	29.2	28.5	32.9	32.9	30.7	30.2	30.3	29.2
26	27.2	26.9	28.3	28.3	30.2	28.8	32.9	32.7	30.5	29.7	29.7	27.8
27	27.8	26.6	28.7	28.3	30.1	28.8	32.9	32.0	30.2	29.7	28.8	28.3
28	27.8	27.4	28.8	28.3	29.7	28.3	32.3	31.3	30.2	29.7	29.4	28.8
29	27.8	27.4	28.8	28.8	29.7	28.3	31.8	30.7	30.2	30.2	30.2	29.2
30	28.8	27.8	29.7	28.8	29.2	28.3	31.3	30.8	31.3	30.2	30.7	29.7
31	---	---	29.7	29.2	---	---	31.3	30.2	31.8	31.3	---	---
MONTH	28.8	20.7	29.7	26.3	30.7	27.3	32.9	27.6	31.8	29.7	32.9	27.8

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

175

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	11.80	9.51	11.69	9.87	11.74	9.77	11.11	9.61	11.31	9.16	11.44	9.45
2	11.79	9.72	11.74	10.04	11.45	9.65	11.11	9.68	11.33	9.27	11.33	9.41
3	11.81	9.78	11.44	9.35	10.85	9.67	11.16	9.52	11.31	9.20	11.41	9.26
4	11.58	9.65	11.09	9.65	10.94	9.32	11.53	9.30	11.89	9.03	11.35	9.21
5	11.31	9.67	11.33	10.10	11.47	9.62	11.61	9.37	11.75	9.13	11.72	9.10
6	11.65	9.91	11.45	9.98	11.67	9.51	11.84	9.24	11.77	9.17	11.65	9.32
7	14.31	11.33	12.06	9.88	11.94	9.58	11.87	9.24	11.89	9.21	11.26	8.86
8	13.47	10.58	12.06	9.98	11.68	9.73	11.92	9.11	12.07	9.38	11.29	9.17
9	11.94	10.20	11.72	9.21	11.45	9.12	12.24	9.30	11.44	9.11	11.52	9.32
10	11.72	9.85	11.77	9.38	11.67	8.92	12.67	9.25	11.17	9.34	11.59	9.52
11	11.33	9.76	11.54	9.21	11.81	9.10	11.91	9.19	10.89	9.25	11.50	9.45
12	11.31	9.51	11.43	9.02	12.08	9.16	11.22	9.07	11.33	9.39	11.37	9.41
13	11.41	9.35	11.23	8.95	12.01	9.26	10.39	8.90	11.73	9.52	11.93	9.33
14	11.43	9.40	11.25	9.03	11.57	9.15	10.67	9.06	11.62	9.80	12.14	9.90
15	11.85	9.52	11.47	9.13	11.15	9.14	11.47	9.47	10.90	9.60	11.44	9.68
16	12.12	9.64	11.55	9.13	11.28	9.41	11.73	10.08	10.48	8.72	10.96	9.17
17	12.16	9.86	12.08	9.83	11.63	10.04	10.94	9.29	10.19	8.67	11.27	8.94
18	12.22	9.96	11.81	10.08	11.68	10.28	10.44	9.02	10.80	8.72	11.39	9.21
19	11.61	9.52	11.77	10.29	11.36	9.99	11.41	8.76	11.22	9.04	11.26	9.41
20	11.74	9.95	12.04	10.25	10.59	8.68	11.48	9.06	11.29	9.14	11.57	9.42
21	11.66	9.93	12.08	10.08	10.64	8.77	11.49	9.14	11.44	9.32	11.72	9.85
22	11.82	10.10	12.04	9.82	11.25	8.88	11.54	9.05	11.71	9.50	11.69	9.79
23	11.89	10.07	12.04	9.34	11.78	9.10	11.66	9.17	11.21	9.14	11.38	9.66
24	11.83	9.84	12.25	9.48	11.82	9.28	11.64	9.21	10.37	8.85	11.29	9.44
25	11.89	9.69	12.34	9.58	11.79	9.17	11.78	9.44	11.01	9.33	11.34	9.54
26	11.91	9.62	12.30	9.72	11.43	9.12	11.13	8.93	11.30	9.56	11.51	9.47
27	11.91	9.33	11.56	9.07	11.69	9.12	11.06	9.20	11.20	9.59	11.52	9.41
28	11.85	9.36	10.88	8.84	11.38	9.12	11.09	9.50	11.36	9.46	11.59	9.42
29	11.67	9.41	11.02	9.08	11.26	9.21	11.16	9.29	---	---	11.76	9.47
30	11.83	9.50	11.64	9.56	10.92	9.04	10.82	9.70	---	---	11.36	9.29
31	11.88	9.58	---	---	10.94	9.32	10.77	9.54	---	---	11.18	9.47
MONTH	14.31	9.33	12.34	8.84	12.08	8.68	12.67	8.76	12.07	8.67	12.14	8.86

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.00	8.92	11.48	9.60	12.05	9.94	11.83	9.52	12.05	9.31	11.90	9.49
2	11.17	8.99	11.63	9.71	11.97	9.54	12.16	9.58	12.14	9.56	11.98	9.79
3	11.51	9.05	11.77	9.87	12.01	9.38	12.15	9.44	12.07	9.53	12.06	9.97
4	11.68	9.39	11.68	9.55	12.07	9.43	12.18	9.44	12.23	9.76	11.79	9.73
5	11.68	9.56	10.88	9.15	12.18	9.55	12.09	9.33	12.09	9.84	11.42	9.51
6	11.84	9.69	11.89	9.45	12.16	9.44	12.04	9.23	11.75	9.81	11.25	9.61
7	11.78	9.45	11.94	9.37	11.97	9.39	11.76	9.46	11.45	9.77	11.51	9.79
8	11.43	9.21	12.24	9.46	11.55	9.29	11.53	9.54	11.22	9.70	11.76	10.01
9	11.47	9.17	12.03	9.43	11.83	9.46	11.66	9.36	11.16	9.57	11.73	9.95
10	11.38	9.14	11.83	9.43	11.56	9.48	11.48	9.60	11.40	9.99	11.82	9.89
11	11.89	9.13	11.52	9.29	11.36	9.36	11.35	9.81	11.53	10.05	12.01	9.83
12	11.84	9.49	11.81	9.28	11.34	9.64	11.38	9.92	11.49	9.79	12.01	9.69
13	11.61	9.45	11.41	9.99	11.61	10.08	11.37	10.07	11.54	9.77	12.03	9.67
14	10.41	9.52	11.04	9.61	11.63	10.08	11.55	9.77	11.82	9.65	12.25	9.57
15	10.40	9.08	11.13	9.54	11.86	10.06	11.69	9.61	12.11	9.54	12.36	9.81
16	10.64	9.20	11.18	9.52	11.75	9.68	11.65	9.43	12.16	9.48	12.39	9.92
17	11.66	9.54	11.16	9.63	11.73	9.53	11.87	9.37	12.32	9.69	12.08	9.76
18	11.69	9.76	11.32	9.43	11.85	9.37	12.17	9.40	12.47	9.66	11.85	9.63
19	11.25	9.64	11.55	9.45	11.92	9.33	12.40	9.45	12.35	9.68	11.65	9.42
20	11.42	9.74	11.76	9.36	11.98	9.21	12.58	9.49	12.18	9.79	11.79	9.53
21	11.63	9.60	11.76	9.28	11.96	9.27	12.30	9.52	12.08	9.98	11.82	9.55
22	11.80	9.51	11.69	9.13	11.98	9.26	12.17	9.57	11.85	10.13	11.54	9.48
23	13.11	10.26	11.82	9.10	12.05	9.31	12.04	9.53	11.61	9.71	11.68	9.72
24	11.75	9.37	11.93	9.15	11.94	9.32	11.70	9.68	11.60	9.77	11.54	9.84
25	11.92	9.34	12.17	9.31	11.63	9.60	11.30	9.72	11.46	9.57	11.53	9.92
26	12.29	9.31	12.05	9.51	11.39	9.94	11.35	9.80	11.45	9.56	12.14	10.33
27	12.05	9.45	11.53	9.37	11.27	9.68	11.59	9.86	11.73	9.66	12.68	11.74
28	12.78	9.65	11.45	9.30	11.37	9.76	11.54	9.67	11.83	9.70	12.63	11.33
29	11.54	10.10	10.91	9.16	11.67	9.77	11.55	9.48	11.85	9.56	11.89	10.22
30	11.42	9.57	11.17	9.25	11.67	9.69	11.71	9.47	11.82	9.63	11.73	9.99
31	---	---	11.33	9.48	---	---	11.98	9.50	11.91	9.64	---	---
MONTH	13.11	8.92	12.24	9.10	12.18	9.21	12.58	9.23	12.47	9.31	12.68	9.42

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	26400	23100	---	---	34100	29000	34600	25200	27100	25000	---	---
2	26100	21400	---	---	33600	26100	34400	25500	27600	25800	---	---
3	26500	19100	---	---	32400	27300	34800	26300	27800	26800	---	---
4	25900	10800	21700	14500	31300	22700	35000	27200	27700	25600	---	---
5	20900	10200	24300	16400	31200	26300	35100	26600	27800	26300	---	---
6	21000	11700	25600	17600	30700	24900	35400	26600	27600	25700	---	---
7	29600	20500	26200	21000	30500	26000	35700	27400	27100	26200	---	---
8	26400	1800	26300	19400	30200	21400	35500	24300	27600	25900	---	---
9	16800	1030	24300	18300	28800	21400	36000	23400	26700	25700	---	---
10	7090	804	24100	16600	28400	23400	34100	22100	26700	25500	---	---
11	2580	886	24000	16000	29400	24400	32700	22200	26500	24600	---	---
12	1510	916	24500	15600	30700	22300	31900	21500	27500	25600	---	---
13	2250	991	23400	15500	30700	24400	29600	19900	28300	24100	---	---
14	5300	1300	24200	15500	30800	23700	29100	19900	28400	26000	---	---
15	9640	1680	23000	15100	30300	24300	29100	20700	28300	26100	---	---
16	12000	3040	25000	17000	31400	21000	32000	19900	27300	23700	---	---
17	14300	8170	29500	19100	32400	25800	27900	19300	30100	22600	---	---
18	15500	6270	30900	21100	32800	27000	27400	19300	27200	23000	---	---
19	11500	3520	31400	24200	32800	13700	29700	18800	29400	26400	---	---
20	11200	5990	31300	23700	19700	7680	30300	28600	30000	27400	---	---
21	13900	8990	30900	24900	15900	3650	30300	29200	---	---	---	---
22	14900	11800	30400	21200	10300	1320	29800	28300	---	---	---	---
23	15800	12700	30300	19900	1390	1080	29800	27900	---	---	---	---
24	15100	13200	31200	22600	1680	1080	29800	28000	---	---	---	---
25	15800	13300	32000	24600	1660	1090	29800	28400	---	---	---	---
26	17400	13900	32500	25500	3420	1120	28900	26200	---	---	---	---
27	17700	13200	30100	25100	4530	1230	28400	24100	---	---	---	---
28	18500	14400	29400	24900	8790	1500	28600	27600	---	---	---	---
29	---	---	31200	24600	33200	3960	28400	26500	---	---	---	---
30	---	---	33300	26600	33700	24600	28100	26100	---	---	---	---
31	---	---	---	---	34300	24200	26500	25000	---	---	---	---
MONTH	---	---	---	---	34300	1080	36000	18800	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	2540	814	15100	8870	509	386	450	259	6620	3720
2	---	---	2080	771	16500	6090	551	391	445	280	7450	4610
3	---	---	2210	908	16500	11500	705	391	454	272	9490	6750
4	---	---	2450	1100	16300	14200	1050	466	430	260	8950	6690
5	---	---	1910	1130	17900	14500	2070	544	381	250	8090	1410
6	---	---	4680	1220	19900	13000	1430	412	281	242	6560	1730
7	---	---	6710	1760	19300	12300	442	366	279	245	8910	5970
8	---	---	9000	2660	19300	11700	426	357	365	257	13700	8710
9	---	---	10400	4870	21400	15900	425	355	293	252	16900	13400
10	---	---	10600	5240	22000	17400	434	351	303	261	18600	16700
11	---	---	10900	4840	22500	16300	432	332	287	273	19400	17900
12	---	---	14300	6890	25000	20300	376	321	284	263	20500	18400
13	---	---	14100	4580	26300	22100	352	317	287	253	20100	18300
14	---	---	9300	1860	26300	22900	354	321	300	247	20000	16900
15	---	---	9010	1980	26200	23500	354	281	317	266	19600	17100
16	---	---	8410	2650	25300	20800	329	284	312	271	20000	18100
17	---	---	8720	5040	25800	19900	339	283	456	295	20100	18300
18	---	---	9050	3300	26400	17000	432	300	401	283	20200	17600
19	---	---	9670	5160	26800	20700	735	334	380	288	20500	17500
20	---	---	10700	6140	26100	15300	776	325	356	293	21500	18900
21	---	---	11000	5960	26900	22200	365	295	465	306	22200	20000
22	---	---	10700	5370	26800	23400	323	289	470	311	22900	19500
23	---	---	12400	4210	28400	24100	431	294	453	312	23600	21200
24	---	---	12700	3490	25500	1370	476	302	443	322	24300	21300
25	---	---	12400	5460	2150	649	462	296	412	349	25500	23700
26	28200	11200	13300	8630	730	497	337	287	392	309	26100	4620
27	14100	6810	12800	8710	549	432	320	287	426	325	4620	235
28	15500	7710	12400	6220	518	413	309	283	556	359	236	197
29	11900	945	9840	1050	531	400	344	278	3030	440	205	189
30	2330	788	9050	3870	488	380	311	269	4740	1340	246	195
31	---	---	11400	5550	---	---	360	264	5010	2570	---	---
MONTH	---	---	14300	771	28400	380	2070	264	5010	242	26100	189

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SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25000	23600	---	---	---	---	---	---	33600	25400	30200	17400
2	25700	24700	---	---	---	---	---	---	34700	24700	31700	20700
3	26000	25400	---	---	---	---	---	---	35300	23700	33800	24100
4	26000	25400	23300	20600	---	---	---	---	36000	27100	34800	27500
5	25500	24900	26700	21800	---	---	---	---	37200	25100	35400	28300
6	25300	23800	26700	24800	---	---	---	---	36700	26200	35100	31700
7	32100	24400	27000	24900	---	---	---	---	35700	33300	34300	31100
8	31400	28200	29100	25400	---	---	35500	33300	35300	31700	34600	28200
9	30200	28300	26400	22000	---	---	36200	32900	33900	30000	35600	27300
10	30300	29500	25100	21500	---	---	35400	33100	32000	23000	---	---
11	30100	29200	25300	21900	---	---	34000	30400	29800	16700	---	---
12	30000	28800	25400	21000	---	---	33800	30700	27900	20000	---	---
13	29900	28600	24500	21000	---	---	33400	27900	28400	19000	---	---
14	29300	28000	25900	23800	---	---	30900	24300	30500	23800	---	---
15	28800	27200	---	---	---	---	32200	24900	29300	21600	---	---
16	28400	27200	---	---	---	---	35500	25800	30800	23300	---	---
17	27800	26600	---	---	---	---	35100	27600	32600	25000	---	---
18	27200	25600	---	---	---	---	31500	23500	33500	25700	---	---
19	26700	25000	---	---	---	---	33600	23300	35000	29400	---	---
20	26000	24000	---	---	---	---	34400	27300	35200	28800	---	---
21	25500	19000	---	---	---	---	33400	27800	34500	26700	---	---
22	20400	17600	---	---	---	---	33200	26800	35400	32100	---	---
23	18900	17300	---	---	---	---	34300	25500	35200	33200	---	---
24	18200	17100	---	---	---	---	33900	25900	34300	29900	---	---
25	18000	16200	---	---	---	---	35000	25100	32600	29900	---	---
26	20000	16700	---	---	---	---	33500	25700	32000	27500	---	---
27	20100	18800	---	---	---	---	33300	25600	30300	19000	---	---
28	20000	19200	---	---	---	---	34000	26300	29000	16100	---	---
29	---	---	---	---	---	---	34100	25400	---	---	---	---
30	---	---	---	---	---	---	33900	26400	---	---	---	---
31	---	---	---	---	---	---	33600	25100	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	37200	16100	---	---

[illegible]

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300044 BRADEN RIVER NEAR ELWOOD PARK, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	30.3	28.0	---	---	22.6	21.1	24.1	22.2	21.1	19.1	26.7	25.1
2	29.9	28.3	---	---	22.6	22.0	23.7	22.3	20.8	19.5	27.2	25.5
3	29.9	28.9	---	---	23.0	22.5	23.8	22.5	20.6	19.8	27.1	25.5
4	29.9	26.7	25.3	23.3	22.9	20.6	23.6	22.6	21.1	20.4	27.6	26.3
5	29.4	27.5	25.3	24.1	22.6	21.1	23.3	21.5	21.5	20.7	27.9	26.0
6	28.9	26.6	24.9	24.5	22.5	20.8	23.2	21.8	23.7	21.2	28.0	26.3
7	27.6	25.7	25.3	24.7	22.4	21.1	23.3	21.9	24.1	22.6	27.6	25.1
8	26.8	25.6	25.3	24.2	22.6	20.9	23.8	22.4	24.1	22.9	26.4	25.1
9	26.7	25.3	24.2	21.8	21.5	18.5	23.7	22.6	23.9	22.2	26.3	25.1
10	26.6	24.9	22.2	20.3	19.8	18.1	23.3	21.1	22.8	20.7	26.9	24.8
11	25.8	24.1	21.1	19.8	19.5	18.2	22.7	21.1	21.2	19.5	28.0	23.7
12	25.7	23.3	20.3	18.8	20.1	18.9	22.6	19.5	20.8	19.5	28.3	26.3
13	24.5	23.3	20.4	18.6	21.1	19.7	21.8	18.5	21.5	19.5	27.6	26.2
14	25.9	23.2	20.8	19.5	21.3	20.4	20.5	17.5	23.0	21.1	27.1	26.2
15	26.9	24.1	21.1	19.8	21.5	19.8	20.5	18.5	23.3	22.0	26.9	24.6
16	27.4	24.8	21.6	19.8	21.3	20.0	20.4	18.8	22.2	18.5	27.3	24.7
17	27.0	26.3	21.8	20.8	21.5	20.5	19.5	16.3	21.4	17.8	26.3	23.6
18	27.0	26.6	22.0	21.5	21.2	20.6	17.3	14.4	21.1	18.9	26.6	24.8
19	27.0	24.1	22.3	21.8	21.3	18.8	15.8	14.4	22.2	20.6	26.3	25.1
20	25.7	24.3	22.6	22.2	21.3	18.5	16.1	14.4	23.3	21.1	26.7	25.0
21	25.8	24.1	22.7	22.3	20.6	19.4	16.5	15.5	25.1	21.5	26.7	25.3
22	25.3	24.0	23.6	22.6	20.3	18.5	17.4	15.5	25.1	23.5	26.7	25.1
23	25.7	24.1	22.6	21.1	19.1	17.7	18.2	17.0	25.9	24.3	27.1	25.1
24	25.7	24.5	22.3	21.1	19.1	17.1	20.5	17.9	25.6	23.6	27.5	23.6
25	26.4	25.3	22.6	21.1	18.5	17.1	20.5	19.5	25.3	24.3	27.2	25.1
26	26.6	25.0	22.5	21.4	18.8	16.6	21.1	18.8	25.9	24.7	27.6	26.4
27	27.3	25.3	21.5	20.0	18.8	16.8	21.3	19.5	26.7	24.7	28.7	27.0
28	27.8	25.7	20.9	19.5	19.7	17.7	21.4	20.5	26.7	25.1	28.5	27.6
29	---	---	21.3	19.8	21.5	19.1	22.6	21.1	---	---	28.5	27.6
30	---	---	21.6	20.3	22.6	21.0	22.6	21.1	---	---	28.6	27.2
31	---	---	---	---	22.9	21.8	21.5	19.8	---	---	28.5	27.1
MONTH	---	---	---	---	23.0	16.6	24.1	14.4	26.7	17.8	28.7	23.6

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	27.1	24.9	26.7	25.4	30.4	30.3	30.5	28.9	32.0	30.4	30.4	30.2
2	26.3	24.2	28.5	25.5	30.7	29.9	31.3	28.9	30.9	29.9	30.4	29.0
3	26.3	24.3	29.4	27.2	31.2	29.4	32.0	29.9	30.4	29.3	30.4	29.8
4	---	---	29.0	28.0	31.2	29.2	32.7	30.4	30.5	29.5	30.5	29.9
5	---	---	28.4	26.3	30.4	29.0	31.5	29.9	30.4	29.5	31.5	29.5
6	---	---	27.4	25.5	30.4	29.0	31.5	29.5	31.5	29.4	30.5	28.4
7	---	---	27.6	25.5	30.4	28.5	31.4	29.6	31.5	29.9	30.4	29.9
8	---	---	27.6	26.3	29.9	27.6	31.2	29.0	31.5	29.8	30.6	30.4
9	---	---	28.0	26.3	29.1	27.7	31.0	28.9	30.9	29.5	31.3	30.4
10	---	---	28.6	27.2	29.4	28.0	30.5	29.0	30.8	29.4	31.6	30.9
11	---	---	28.5	26.3	29.4	28.2	31.3	28.5	31.3	29.0	32.0	31.4
12	---	---	27.6	26.0	29.9	28.9	30.4	29.0	31.9	29.0	32.0	31.5
13	---	---	27.7	26.7	30.4	29.4	30.5	29.0	30.8	29.5	32.0	30.9
14	---	---	27.9	26.3	31.5	29.9	30.5	28.8	31.4	29.3	32.0	30.4
15	---	---	28.2	26.6	32.0	30.4	31.5	28.0	31.5	29.8	31.4	30.1
16	---	---	28.1	27.2	32.0	31.0	31.5	28.9	31.6	30.1	30.4	30.0
17	---	---	27.6	26.8	32.5	31.5	32.0	29.1	32.0	30.1	30.4	30.0
18	---	---	28.2	26.9	32.5	32.0	32.6	29.7	31.0	29.6	30.4	29.9
19	---	---	28.6	27.3	33.0	32.0	31.5	29.6	31.3	29.7	31.0	30.0
20	---	---	29.8	27.7	32.8	32.0	30.3	27.5	31.5	29.9	32.0	30.5
21	---	---	30.5	28.5	32.5	31.4	30.4	28.8	32.0	30.4	32.4	31.5
22	---	---	31.4	29.4	32.0	31.4	30.7	28.9	31.5	30.2	32.0	31.5
23	---	---	30.7	29.0	32.0	30.9	30.8	28.9	31.0	29.8	32.4	32.0
24	---	---	30.3	29.0	32.0	30.3	32.0	29.7	31.5	29.9	32.0	31.5
25	---	---	30.4	28.9	31.4	29.7	31.5	29.9	31.5	30.0	32.0	32.0
26	25.9	24.3	30.4	29.6	31.3	28.6	31.5	29.9	32.0	30.1	32.0	29.8
27	26.3	23.9	31.4	30.2	30.1	28.0	31.5	29.4	31.3	30.0	29.8	27.0
28	26.3	25.2	31.5	30.4	30.6	28.5	30.7	29.4	31.1	29.6	27.4	26.5
29	25.5	25.1	30.5	28.0	31.5	28.9	31.7	29.4	30.4	29.4	27.6	26.7
30	26.6	24.8	30.4	28.7	30.4	29.0	31.4	29.9	30.4	29.4	28.0	27.2
31	---	---	30.4	29.4	---	---	32.0	29.5	30.4	29.6	---	---
MONTH	---	---	31.5	25.4	33.0	27.6	32.7	27.5	32.0	29.0	32.4	26.5

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300050 WILLIAMS CREEK NEAR BRADENTON, FL

LOCATION.--Lat 27°27'10", long 82°28'04", in SE 1/4 sec.11, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on left bank at power line, 1.5 mi northeast of State Highway 70 bridge at Braden River, 1.7 mi upstream from mouth, and 7.0 mi southeast of Bradenton.

DRAINAGE AREA.--2.7 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1994 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929 (local engineering firm reference mark).

REMARKS.--Records fair.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.02	.01	.00	.00	.09	.12	3.4	.17	.78	1.8	1.1
2	.07	.02	.02	.00	.00	.09	.09	1.7	.19	.89	2.1	1.4
3	.10	.03	.01	.00	.00	.08	.07	.86	.17	.86	3.7	1.2
4	.08	.02	.01	.00	.00	.06	.06	.51	.15	1.0	3.2	1.5
5	.09	.02	.01	.00	.00	.00	.06	.40	.12	1.2	3.7	1.3
6	.17	.02	.02	.00	.00	.00	.06	.29	.17	1.4	4.8	1.1
7	.63	.02	.08	.00	.00	.00	.06	.30	.12	1.5	4.1	1.1
8	4.9	.02	.05	.00	.00	.00	.06	.42	.12	1.6	3.3	1.0
9	2.1	.02	.04	.02	.00	.00	.06	.35	.25	1.7	13	1.0
10	1.1	.01	.03	.04	.00	.00	.06	.32	.14	1.9	13	.99
11	.57	.01	.02	.02	.00	.00	.06	.31	.14	3.7	20	.97
12	.30	.00	.01	.00	.00	.00	.13	2.6	.13	1.9	12	.95
13	.17	.00	.01	.00	.00	.00	.08	3.2	.13	2.7	6.7	.93
14	.11	.00	.00	.02	.00	.00	.19	2.0	.13	1.1	5.0	.91
15	.08	.00	.00	.00	.00	.00	.36	1.4	.13	1.7	4.2	.91
16	.14	.00	.00	.00	.01	.00	.18	1.0	.13	2.2	3.5	.93
17	.21	.00	.00	.00	.01	.00	.17	.89	.12	.90	7.9	.93
18	.21	.00	.00	.00	.05	.00	.11	.77	.13	.41	20	.97
19	.13	.00	.00	.00	.17	.00	.09	.77	.13	20	8.1	.97
20	.08	.00	.00	.00	.14	.00	.07	.50	.13	32	4.8	.95
21	.06	.00	.00	.00	.12	.28	.06	.33	.13	15	3.7	.96
22	.05	.00	.00	.00	.11	.17	.06	.26	.13	8.5	3.3	.94
23	.05	.00	.00	.00	.11	.12	2.4	.44	.75	5.6	2.5	1.0
24	.05	.00	.00	.00	.11	.09	1.2	.52	.60	4.0	1.9	1.1
25	.04	.00	.00	.00	.11	.74	.59	.41	.65	3.0	2.1	1.1
26	.03	.00	.00	.00	.11	.53	21	.31	.56	2.2	2.9	16
27	.03	.00	.00	.00	.09	.27	11	.23	.44	2.1	1.9	77
28	.03	.00	.00	.00	.09	.17	16	.38	.85	2.9	1.5	59
29	.03	.00	.00	.00	---	.13	14	.31	1.1	2.8	1.2	29
30	.03	.00	.00	.00	---	.11	6.1	.23	.87	2.1	1.1	13
31	.02	---	.00	.00	---	.24	---	.19	---	2.4	1.0	---
TOTAL	11.70	0.21	0.32	0.10	1.23	3.17	74.55	25.60	8.98	130.04	168.0	220.21
MEAN	.38	.007	.010	.003	.044	.10	2.49	.83	.30	4.19	5.42	7.34
MAX	4.9	.03	.08	.04	.17	.74	21	3.4	1.1	32	20	77
MIN	.02	.00	.00	.00	.00	.00	.06	.19	.12	.41	1.0	.91
MED	.08	.00	.00	.00	.00	.00	.10	.42	.14	2.1	3.7	1.0
AC-FT	23	.4	.6	.2	2.4	6.3	148	51	18	258	333	437
CFSM	.14	.00	.00	.00	.02	.04	.92	.31	.11	1.55	2.01	2.72
IN.	.16	.00	.00	.00	.02	.04	1.03	.35	.12	1.79	2.31	3.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	2.56	.82	.21	1.22	.55	.64	1.14	.96	5.68	3.68	7.67	4.89
MAX	5.06	2.10	.51	2.43	1.51	1.07	2.48	2.02	15.4	4.19	17.4	7.34
(WY)	1996	1996	1995	1995	1995	1995	1997	1996	1996	1997	1995	1997
MIN	.38	.007	.010	.003	.044	.10	.22	.020	.30	3.18	.23	.087
(WY)	1997	1997	1997	1997	1997	1997	1995	1995	1997	1995	1996	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1995 - 1997
ANNUAL TOTAL	747.40	644.11	
ANNUAL MEAN	2.04	1.76	2.51
HIGHEST ANNUAL MEAN			3.14
LOWEST ANNUAL MEAN			1.76
HIGHEST DAILY MEAN	93	77	93
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		80	119
INSTANTANEOUS PEAK STAGE		14.01	15.11
ANNUAL RUNOFF (AC-FT)	1480	1280	1820
ANNUAL RUNOFF (CFSM)	.76	.65	.93
ANNUAL RUNOFF (INCHES)	10.30	8.87	12.63
10 PERCENT EXCEEDS	3.4	3.3	5.0
50 PERCENT EXCEEDS	.17	.13	.31
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300050 WILLIAMS CREEK NEAR BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1997 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT 04...	1257	9.16	0.08	407	6.2	--	50	58	10
MAR 28...	1030	9.51	0.17	510	--	21.5	60	63	13
AUG 19...	1200	10.67	8.1	166	--	27.0	320	16	4.8

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT 04...	12	5.1	16	18	0.30	8.0	260	280
MAR 28...	14	3.0	73	25	0.20	3.3	322	360
AUG 19...	10	3.4	12	17	0.20	4.9	178	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 04...	<0.010	0.030	0.080	0.89	0.160	0.110	520	65
MAR 28...	<0.010	0.040	0.060	0.81	0.120	0.050	610	56
AUG 19...	0.015	0.020	0.040	1.5	0.490	0.430	320	27

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300056 GAP CREEK NEAR BRADENTON, FL

LOCATION.--Lat 27°26'42", long 82°30'57", in NE¹/₄ sec.17, T.35 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on right bank on downstream side of 37th street, 1.5 mi west of State Highway 70 bridge at Braden River, 2.0 mi east of U.S. Highway 301, 2.9 mi upstream from mouth, and 4.9 mi southeast of Bradenton.

DRAINAGE AREA.--7.2 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to September 1997 (discontinued).

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

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	1.7	6.9	1.1	1.2	1.1	1.0	10	1.7	e9.0	3.6	5.7
2	9.9	1.7	11	1.0	1.2	1.0	.91	7.4	1.8	e7.0	4.2	5.8
3	10	1.7	3.3	1.0	1.1	.98	.82	5.3	1.7	e5.6	5.0	5.4
4	5.4	1.5	2.4	1.0	1.1	.92	.80	4.3	1.5	e3.8	4.6	22
5	5.0	1.4	2.0	1.0	1.1	.90	.74	3.7	1.4	e3.5	7.2	9.3
6	6.6	1.4	1.8	1.0	1.1	.85	.73	3.4	1.5	e8.0	13	6.4
7	24	1.4	2.5	.99	1.1	.87	.73	2.9	1.1	e15	6.6	5.5
8	73	2.0	3.4	1.0	1.2	.83	.73	2.7	1.1	e43	6.9	5.0
9	14	1.7	2.3	6.3	1.0	.93	.73	2.3	2.7	e15	46	4.6
10	6.8	1.4	2.0	6.9	1.1	1.1	.70	1.9	1.7	e40	21	4.4
11	4.6	1.3	1.8	2.5	1.2	.98	.72	1.7	1.3	e94	9.7	4.2
12	3.5	1.3	1.9	1.9	1.1	.89	2.9	22	1.2	e220	7.9	4.0
13	2.9	1.3	2.0	1.8	1.0	.92	1.7	17	1.1	e64	6.8	4.1
14	2.8	1.3	1.7	2.1	1.0	2.5	2.0	5.3	1.1	e32	6.5	3.9
15	2.7	1.3	1.6	1.8	2.9	1.6	4.6	3.5	1.1	e20	6.2	6.4
16	2.6	1.3	1.5	1.8	2.2	1.1	2.3	2.9	1.1	e15	5.7	7.3
17	10	1.5	1.5	1.5	1.7	1.0	1.7	3.0	.99	e11	6.5	5.6
18	17	1.6	1.4	1.4	1.3	.97	1.4	2.6	.95	e9.0	24	5.2
19	5.9	1.6	1.3	1.4	1.3	.94	1.3	2.4	.95	e7.5	12	4.5
20	3.8	1.6	1.2	1.4	1.2	.95	1.1	2.6	.95	e6.4	11	4.2
21	3.2	1.8	1.2	1.3	1.1	5.7	.95	2.2	.98	e15	21	3.9
22	2.9	2.2	1.2	1.3	1.1	2.3	1.0	1.8	2.2	e14	86	3.7
23	2.7	1.7	1.3	1.4	1.1	1.4	42	4.8	34	e8.8	21	4.4
24	2.5	1.7	1.2	1.4	1.0	1.2	23	7.6	e220	6.3	13	4.3
25	2.4	1.9	1.2	1.6	1.0	1.0	5.3	7.6	e250	11	14	4.0
26	2.3	1.8	1.2	1.9	1.1	.95	145	3.3	e100	5.4	13	62
27	2.2	1.2	1.2	1.5	1.0	.89	40	2.3	e48	5.5	7.8	363
28	2.1	1.0	1.2	1.4	1.1	.85	71	2.3	e29	5.1	6.4	189
29	1.9	.97	1.2	1.3	---	.84	37	3.4	e19	3.8	5.8	52
30	1.8	.99	1.2	1.3	---	.82	15	2.1	e13	10	5.3	23
31	1.8	---	1.2	1.2	---	2.1	---	1.7	---	4.9	4.9	---
TOTAL	240.7	45.26	66.8	54.49	34.6	39.38	407.86	146.0	743.12	718.6	412.6	832.8
MEAN	7.76	1.51	2.15	1.76	1.24	1.27	13.6	4.71	24.8	23.2	13.3	27.8
MAX	73	2.2	11	6.9	2.9	5.7	145	22	250	220	86	363
MIN	1.8	.97	1.2	.99	1.0	.82	.70	1.7	.95	3.5	3.6	3.7
MED	3.5	1.5	1.5	1.4	1.1	.97	1.3	3.0	1.5	9.0	7.2	5.3
AC-FT	477	90	132	108	69	78	809	290	1470	1430	818	1650
CFSM	1.07	.21	.30	.24	.17	.18	1.88	.65	3.43	3.21	1.84	3.84
IN.	1.24	.23	.34	.28	.18	.20	2.10	.75	3.82	3.70	2.12	4.28

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	19.2	10.8	2.88	6.67	2.07	3.65	8.87	5.63	30.9	16.1	18.8	16.1
MAX	30.6	20.1	3.61	11.6	2.87	6.03	13.6	6.55	37.0	23.2	37.5	27.8
(WY)	1996	1996	1996	1996	1996	1996	1997	1996	1996	1997	1995	1997
MIN	7.76	1.51	2.15	1.76	1.24	1.27	4.15	4.71	24.8	11.1	5.47	4.70
(WY)	1997	1997	1997	1997	1997	1997	1996	1997	1997	1995	1996	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1995 - 1997
ANNUAL TOTAL	3163.06	3742.21	
ANNUAL MEAN	8.64	10.3	11.2
HIGHEST ANNUAL MEAN			12.2
LOWEST ANNUAL MEAN			10.3
HIGHEST DAILY MEAN	149 Jun 20	363 Sep 27	363 Sep 27 1997
LOWEST DAILY MEAN	.97 Nov 29	.70 Apr 10	.41 Jul 13 1995
ANNUAL SEVEN-DAY MINIMUM	1.2 Dec 24	.73 Apr 5	.72 Jul 7 1995
INSTANTANEOUS PEAK FLOW		402 Sep 27	402 Sep 27 1997
INSTANTANEOUS PEAK STAGE		12.44 Sep 27	12.44 Sep 27 1997
ANNUAL RUNOFF (AC-FT)	6270	7420	8140
ANNUAL RUNOFF (CFSM)	1.20	1.42	1.55
ANNUAL RUNOFF (INCHES)	16.27	19.25	21.12
10 PERCENT EXCEEDS	17	17	23
50 PERCENT EXCEEDS	3.5	2.1	4.0
90 PERCENT EXCEEDS	1.5	.99	1.1

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300056 GAP CREEK NEAR BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1997 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT												
02...	0953	5.34	7.3	--	--	50	52	11	16	4.6	65	25
NOV												
20...	1138	5.05	1.6	--	--	40	120	43	38	5.5	280	74
JAN												
16...	0919	5.02	1.7	--	--	40	90	24	32	5.2	150	51
APR												
01...	1245	4.97	1.1	710	21.0	20	81	19	28	4.4	130	48
AUG												
20...	1100	5.70	11	586	28.5	100	69	18	22	7.4	89	39

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT												
02...	0.40	6.3	292	290	0.010	0.140	0.070	0.73	0.360	0.290	1300	44
NOV												
20...	0.80	11	782	750	<0.010	0.040	0.040	0.75	0.450	0.320	8800	66
JAN												
16...	0.50	7.9	496	500	0.020	0.230	0.060	0.79	0.310	0.310	3100	44
APR												
01...	0.50	5.5	454	510	<0.010	0.120	0.040	0.68	0.380	0.350	2700	58
AUG												
20...	0.50	10	416	--	0.028	0.230	0.120	1.3	1.20	0.960	2000	16

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300062 GLEN CREEK NEAR BRADENTON, FL

LOCATION.--Lat 27°28'44", long 82°31'50", in SE 1/4 sec.31, T.34 S., R.18 E., Manatee County, Hydrologic Unit 03100202, on left bank on downstream side of 27th Street, 0.6 mi upstream from mouth, 1.3 mi southwest of State Highway 64 bridge at Braden River, and 2.8 mi southeast of Bradenton.

DRAINAGE AREA.--2.5 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1995 to September 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 5.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	e2.2	6.5	e.15	.21	.37	e1.0	2.8	e.45	e1.4	.33	8.0
2	9.5	e2.1	2.9	e.14	.23	.56	e.60	2.3	e.35	e1.2	.27	1.6
3	7.3	e2.0	.98	e.14	.26	.65	e.45	2.2	e.35	e1.0	e.29	.96
4	1.8	e1.9	.91	e.14	.32	.61	e.35	1.9	e.35	e.94	e.30	10
5	1.7	e1.9	.91	e.14	.34	.55	e.26	1.8	e.33	e.88	e2.5	1.6
6	4.5	e1.8	.87	e.14	.55	.55	.20	1.8	e.35	e.95	e1.1	1.2
7	21	e1.8	3.5	e.13	.55	.51	.17	1.5	e.28	e1.0	e1.2	1.0
8	48	e1.7	4.5	e.13	.56	.22	.15	e1.0	e.26	e11	e2.5	.99
9	27	e1.7	e2.0	7.1	.55	.62	.17	e.70	e.70	e3.5	e7.0	.91
10	e8.0	e1.7	e1.2	1.6	1.3	.31	.15	e.60	e.50	e4.5	e3.5	.84
11	e5.8	e1.6	e.90	.39	.35	.10	.28	e.54	e.32	e20	e2.5	.79
12	e4.5	e1.6	e.70	.14	.20	.11	2.8	e15	e.28	e100	e1.9	.81
13	e3.6	e1.5	e.56	.13	.14	.10	.09	e13	e.27	e30	e1.6	.84
14	e3.4	e1.5	e.48	e.11	.10	3.8	3.2	e5.0	e.27	e6.0	e1.3	.75
15	e3.3	e1.5	e.43	e.10	3.5	e.90	2.8	e3.0	e.27	e3.2	e1.1	.73
16	27	e1.5	e.38	e.09	5.2	e.15	.26	e2.0	e.27	e2.6	e1.0	.69
17	34	e1.5	e.33	.08	.41	e.14	.23	e1.5	e.25	e2.2	e2.0	.73
18	20	e1.5	e.30	.08	.20	e.15	.20	e1.1	e.23	e1.9	e4.0	.69
19	e12	1.5	e.27	.08	e.18	e.17	.20	e.86	e.24	e1.7	e1.8	.69
20	e8.3	1.5	e.26	.09	e.17	4.0	.20	e.70	e.25	e4.5	1.4	1.0
21	e6.4	1.4	e.24	.11	e.16	5.9	.21	e.60	e.26	e4.0	4.4	.96
22	e5.4	1.4	e.22	.12	e.17	3.2	.37	e.50	e.35	e3.0	16	.54
23	e4.7	1.4	e.21	.13	e.18	1.7	14	e1.1	e7.0	e2.3	2.4	2.1
24	e4.2	1.4	e.20	.12	.20	.13	7.5	e5.8	e30	e1.8	1.6	.68
25	e3.7	1.4	e.19	.95	.21	.19	1.2	e6.0	e100	e3.0	1.5	.43
26	e3.3	2.1	e.18	.35	.29	.20	97	e1.5	e45	e1.2	1.3	37
27	e3.1	.83	e.17	.20	.27	.21	37	e1.0	e15	e.74	1.1	96
28	e2.8	.76	e.17	e.19	.29	.21	15	e.90	e6.0	e.56	1.0	17
29	e2.7	e.73	e.16	e.18	---	.20	5.3	e2.5	e2.3	.48	.90	4.6
30	e2.5	e.70	e.16	e.19	---	.21	3.4	e.45	e1.7	.46	.85	3.0
31	e2.3	---	e.15	.20	---	2.1	---	e.60	---	.47	.75	---
TOTAL	292.52	46.12	30.93	13.84	17.09	28.82	194.74	80.25	214.18	216.48	69.39	197.13
MEAN	9.44	1.54	1.00	.45	.61	.93	6.49	2.59	7.14	6.98	2.24	6.57
MAX	48	2.2	6.5	7.1	5.2	5.9	97	15	100	100	16	96
MIN	.72	.70	.15	.08	.10	.10	.09	.45	.23	.46	.27	.43
MED	4.5	1.5	.38	.14	.26	.31	.36	1.5	.35	1.9	1.4	.96
AC-FT	580	91	61	27	34	57	386	159	425	429	138	391
CFSM	3.77	.61	.40	.18	.24	.37	2.60	1.04	2.86	2.79	.90	2.63
IN.	4.35	.69	.46	.21	.25	.43	2.90	1.19	3.19	3.22	1.03	2.93

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1997, BY WATER YEAR (WY)

	1995	1996	1997	1995	1996	1997	1995	1996	1997	1995	1996	1997
MEAN	7.49	1.69	.75	1.79	.83	1.36	2.82	1.58	5.68	5.48	3.86	4.29
MAX	9.44	1.85	1.00	3.14	1.04	1.78	6.49	2.59	7.14	6.98	7.94	6.57
(WY)	1997	1996	1997	1996	1996	1996	1997	1997	1997	1997	1995	1997
MIN	5.54	1.54	.49	.45	.61	.93	.93	.56	4.76	4.32	1.41	2.84
(WY)	1996	1997	1996	1997	1997	1997	1995	1995	1995	1996	1996	1995

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1995 - 1997
ANNUAL TOTAL	1069.51	1401.49	
ANNUAL MEAN	2.92	3.84	3.21
HIGHEST ANNUAL MEAN			3.84
LOWEST ANNUAL MEAN			2.58
HIGHEST DAILY MEAN	48 Oct 8	100 Jun 25	100 Jun 25 1997
LOWEST DAILY MEAN	.15 Dec 31	.08 Jan 17	.08 Jan 17 1997
ANNUAL SEVEN-DAY MINIMUM	.17 Dec 25	.09 Jan 14	.09 Jan 14 1997
INSTANTANEOUS PEAK FLOW		359 Apr 26	359 Apr 26 1997
INSTANTANEOUS PEAK STAGE		11.09 Apr 26	11.09 Apr 26 1997
ANNUAL RUNOFF (AC-FT)	2120	2780	2320
ANNUAL RUNOFF (CFSM)	1.17	1.54	1.28
ANNUAL RUNOFF (INCHES)	15.91	20.85	17.43
10 PERCENT EXCEEDS	6.4	6.4	6.2
50 PERCENT EXCEEDS	1.3	.91	1.1
90 PERCENT EXCEEDS	.41	.16	.22

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300062 GLEN CREEK NEAR BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to 1997 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT 02...	0813	5.84	9.5	342	6.4	26.5	40	41	9.2
MAR 28...	1305	5.27	0.16	1090	--	28.5	100	110	60
AUG 20...	1350	5.40	1.5	862	--	33.5	40	110	34

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)
OCT 02...	14	3.6	36	15	0.30	4.5	210	220
MAR 28...	40	7.7	290	70	0.80	13	802	910
AUG 20...	24	6.6	140	36	0.60	12	606	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 02...	<0.010	0.190	0.110	0.68	0.260	0.200	320	42
MAR 28...	0.260	2.00	0.060	1.3	0.090	0.040	1200	68
AUG 20...	0.039	2.80	0.110	0.98	0.320	0.280	1000	8.5

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300064 BRADEN RIVER AT BRADENTON, FL

LOCATION.--Lat 27°29'46", long 82°31'32", in SW¹/₄ 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 mi².

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929 (Manatee County reference mark).

REMARKS.--Records fair. 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, 14.36 ft, Oct. 7, 1996; minimum 8.95 ft, Dec. 15, 1995, Jan. 5, 1995.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 14.36 ft, Oct. 7; minimum 9.18 ft, Nov. 13. Minimum gage heights were exceeded during periods when the water level was below the bottom of the gage stilling well.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	12.12	10.25	11.75	9.24	12.55	9.42	11.10	9.00	11.49	9.36
2	---	---	11.68	9.37	12.07	8.98	12.30	9.28	11.22	9.24	11.33	8.99
3	---	---	11.68	9.06	12.38	9.20	11.69	9.05	10.97	9.29	10.75	9.02
4	---	---	11.88	9.13	12.46	9.29	11.63	9.07	11.61	9.33	10.95	9.21
5	---	---	12.06	9.35	12.31	9.35	10.81	8.95	10.90	9.30	11.21	9.35
6	---	---	12.31	9.42	11.80	9.19	11.38	9.39	10.36	9.17	11.41	9.40
7	---	---	11.92	9.33	11.47	9.30	11.54	10.08	11.12	9.08	11.66	9.40
8	---	---	11.37	9.29	11.00	9.38	10.81	9.56	10.62	9.55	11.62	9.79
9	---	---	11.47	9.70	11.27	9.74	10.91	9.35	10.81	8.96	10.31	9.05
10	---	---	11.54	10.01	11.81	10.19	11.14	9.17	11.09	8.96	10.55	8.97
11	---	---	11.39	10.10	11.72	10.28	11.44	9.18	11.50	9.24	10.69	8.97
12	---	---	11.16	10.07	11.41	9.41	11.52	9.21	11.48	9.40	10.85	8.98
13	---	---	10.81	9.61	11.54	9.34	12.23	9.23	10.97	8.97	11.12	9.09
14	---	---	10.53	9.40	11.25	9.46	12.25	10.08	11.29	9.04	11.30	9.20
15	---	---	11.17	8.97	11.14	8.95	12.20	9.67	11.45	9.27	11.54	9.79
16	---	---	11.58	9.60	11.85	9.08	11.60	8.99	11.48	9.32	11.63	9.66
17	---	---	11.79	9.41	11.86	9.25	11.37	9.04	11.24	9.26	11.77	9.62
18	---	---	11.79	9.41	12.03	9.24	11.30	8.96	11.06	9.26	11.88	9.66
19	---	---	11.80	9.48	12.09	9.31	11.67	9.31	11.15	9.27	11.54	9.30
20	---	---	12.10	9.48	11.87	9.43	11.63	9.58	11.19	9.44	11.56	9.34
21	---	---	12.27	9.69	11.79	9.13	11.20	9.38	11.30	9.59	11.78	9.49
22	12.14	9.88	11.97	9.61	11.68	9.66	11.01	9.26	11.03	9.03	11.72	9.49
23	12.29	9.85	11.61	9.60	11.74	9.79	12.08	9.56	11.39	8.98	11.75	9.49
24	11.92	9.67	11.00	9.10	11.31	9.87	10.45	9.03	11.30	9.05	11.70	9.68
25	11.60	9.64	11.57	9.89	11.37	9.99	10.95	8.97	11.05	8.98	11.61	9.65
26	11.69	9.80	11.81	10.25	11.62	10.02	11.19	8.96	11.28	9.01	11.57	9.33
27	11.42	9.74	12.04	10.36	11.62	9.47	11.79	8.96	11.38	8.98	11.73	9.49
28	11.24	9.66	11.99	10.43	11.97	9.48	11.99	9.20	11.41	9.13	11.69	9.84
29	11.64	10.13	12.12	10.03	12.71	9.51	12.01	9.14	---	---	11.52	9.75
30	11.68	10.43	12.03	9.63	12.42	9.70	12.01	9.19	---	---	11.51	9.59
31	12.19	9.90	---	---	12.54	9.36	11.43	8.96	---	---	11.55	9.75
MONTH	---	---	12.31	8.97	12.71	8.95	12.55	8.95	11.61	8.96	11.88	8.97

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300064 BRADEN RIVER AT BRADENTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.60	9.45	11.86	9.56	11.94	9.67	11.73	9.79	11.47	10.17	12.30	10.30
2	11.14	9.07	11.80	9.43	11.98	9.60	11.57	9.66	12.04	10.39	12.37	10.33
3	11.24	9.30	11.66	9.40	11.67	9.72	11.39	9.75	12.53	10.87	12.16	10.01
4	11.78	9.48	11.73	9.37	12.05	9.73	11.33	9.81	11.87	10.01	12.13	9.86
5	11.59	9.60	11.72	9.37	12.72	10.48	11.26	9.81	11.90	9.95	12.34	10.04
6	11.91	9.54	11.35	9.62	11.79	10.10	11.25	9.83	12.31	9.98	12.53	10.10
7	11.18	9.78	11.39	9.42	11.63	9.98	11.62	9.76	12.34	9.82	12.78	10.30
8	11.34	9.46	11.51	9.55	11.60	9.75	11.99	9.67	12.60	9.95	12.72	10.46
9	11.12	9.53	11.41	9.86	11.49	9.42	12.15	9.51	12.71	10.02	12.53	10.48
10	10.97	9.42	11.74	10.04	11.67	9.33	12.46	9.61	12.84	10.19	12.27	10.32
11	11.45	9.61	11.86	10.10	12.03	9.22	12.35	9.41	12.71	10.22	12.05	10.17
12	11.41	9.75	12.05	9.91	12.37	9.51	12.33	9.46	12.46	10.26	12.07	10.09
13	11.51	9.70	12.23	9.74	12.48	9.39	12.24	9.53	12.26	10.33	11.96	10.09
14	11.57	9.43	12.32	9.58	11.99	9.17	12.24	9.70	11.83	10.20	12.17	10.23
15	11.75	9.44	12.23	9.35	11.81	8.99	11.98	9.74	11.80	10.27	11.97	10.27
16	12.11	9.53	12.30	9.40	11.66	8.99	11.68	9.82	12.13	10.37	11.93	10.26
17	12.09	9.39	12.34	9.58	11.42	9.02	11.39	9.94	12.17	10.49	12.01	10.31
18	12.24	9.51	12.32	9.71	11.14	9.32	11.87	10.53	12.09	10.21	12.01	10.48
19	12.25	9.60	12.31	9.74	11.28	9.67	11.88	10.42	11.85	10.19	11.99	10.34
20	12.29	9.72	11.98	10.16	11.34	9.96	11.81	10.09	12.05	10.26	11.90	10.23
21	11.93	9.88	11.40	10.06	11.63	10.10	11.64	9.80	12.14	10.23	11.86	10.07
22	11.65	9.65	11.18	9.72	11.86	9.92	11.62	9.59	12.30	10.15	12.45	10.47
23	11.71	9.87	11.12	9.68	11.71	9.70	11.61	9.65	12.42	10.17	12.29	10.41
24	11.59	10.34	11.34	9.72	11.89	9.80	11.90	9.56	12.79	10.63	12.23	10.28
25	11.06	9.54	11.65	9.82	12.09	9.78	12.08	9.53	13.08	10.88	12.24	10.27
26	11.08	9.55	11.70	9.58	11.91	9.46	12.15	9.61	13.07	10.93	12.34	10.26
27	11.50	9.84	11.99	9.62	11.85	9.37	12.27	9.91	12.68	10.61	12.58	10.14
28	11.25	9.30	11.92	9.48	11.81	9.38	12.52	10.13	12.37	10.53	12.59	10.23
29	11.62	9.36	11.92	9.61	11.74	9.41	12.06	10.05	12.32	10.28	12.65	10.24
30	11.68	9.45	12.03	9.61	11.79	9.53	11.75	10.01	11.81	10.12	12.30	10.06
31	---	---	12.05	9.59	---	---	11.88	10.11	11.96	10.24	---	---
MONTH	12.29	9.07	12.34	9.35	12.72	8.99	12.52	9.41	13.08	9.82	12.78	9.86

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature probes located 0.2 ft above the bottom.

REMARKS.--Records fair. 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, 47,700 microsiemens, Sept. 4, 1997; minimum, 833 microsiemens, Sept. 29, 1997.

TEMPERATURE.--Maximum, 34.4°C, July 25, 1996; minimum, 4.6°C, Dec. 21, 1996.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE.--Maximum, 47,700 microsiemens, Sept. 4; minimum, 833 microsiemens, Sept. 29.

TEMPERATURE.--Maximum, 33.7°C, several days in June and July; minimum, 4.6°C, Dec. 21.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD APRIL TO SEPTEMBER 1995
(0.2 FT ABOVE BOTTOM)

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	40800	37100	37900	36600	23900	13800	---	---	4410	3220
2	---	---	41000	35600	36900	33600	23000	12900	---	---	3630	2950
3	---	---	40200	35600	33900	32800	24200	12600	---	---	4820	2980
4	38000	28800	41000	36900	32800	31600	23200	15700	---	---	5170	3220
5	37000	29900	40600	36700	31700	30600	25100	16300	---	---	9620	4210
6	38800	28100	39400	37300	30700	21600	25100	18600	---	---	9210	7030
7	34200	28300	40300	36700	29900	19900	27500	15300	---	---	10500	7670
8	35600	25300	40900	37400	28700	22800	31100	19400	---	---	---	---
9	35100	25700	41400	38600	25500	23300	27800	17500	---	---	---	---
10	35400	25700	41100	38800	26900	18800	27500	17300	---	---	---	---
11	36600	27100	41500	39600	27500	20200	32800	21700	---	---	---	---
12	37300	28100	42300	39700	28900	21500	33700	21900	---	---	---	---
13	37300	30100	42000	38200	29100	15500	32500	16500	---	---	---	---
14	38000	31200	41500	38300	26800	15000	34100	12400	---	---	---	---
15	37100	30300	40900	38400	24400	15000	29600	11800	---	---	---	---
16	38600	31600	40700	38500	27100	14900	29400	11500	---	---	22400	12200
17	39600	31300	40800	37500	28500	16500	29200	13800	---	---	20800	16700
18	39900	31900	40800	37600	29100	18700	28600	4910	---	---	19100	14600
19	40200	32200	40400	38200	29700	21000	18400	1770	---	---	17300	11700
20	40800	33100	40100	38500	30500	22800	5880	1490	---	---	18600	11500
21	40900	31400	39500	37900	32500	23800	4390	1870	---	---	21500	12400
22	40400	32300	38800	37000	32300	25100	3900	2290	---	---	28000	16900
23	40800	37100	38100	36000	32000	24600	---	---	---	---	30500	16400
24	40600	36200	38700	36000	34600	20300	---	---	---	---	18800	15800
25	39700	35800	38900	37200	31300	17500	---	---	---	---	35600	16300
26	38200	35600	38500	36800	26300	13600	---	---	20800	12300	21400	16400
27	39200	35200	38700	37200	25500	11000	---	---	12300	6010	20400	16500
28	38200	32900	38300	37100	24200	11200	---	---	6420	4230	19000	12100
29	38800	35300	38100	36900	23300	10500	---	---	4400	3310	18000	12800
30	39500	35800	38200	37400	21300	11600	---	---	3370	2640	16800	11200
31	---	---	38400	37400	---	---	---	---	3670	2590	---	---
MONTH	---	---	42300	35600	37900	10500	---	---	---	---	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

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02300064 BRADEN RIVER AT BRADENTON, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD APRIL TO SEPTEMBER 1995
(0.2 FT ABOVE BOTTOM)

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	28.1	25.5	31.8	29.1	31.9	29.6	29.6	27.4	29.6	28.1
2	---	---	28.1	26.6	29.6	26.5	32.1	30.1	28.1	27.1	31.3	28.1
3	---	---	29.1	26.6	27.6	25.7	33.5	30.7	27.1	25.7	32.0	29.1
4	23.6	21.0	29.1	26.6	27.1	25.3	33.7	31.1	29.1	25.7	31.8	29.1
5	22.9	21.5	29.6	27.1	28.8	26.1	34.3	30.7	31.3	27.1	30.7	29.1
6	23.2	21.2	30.7	27.6	30.7	25.7	34.3	30.7	31.3	27.6	29.6	27.6
7	24.0	21.4	30.7	27.0	31.8	27.6	34.3	30.7	31.8	28.6	28.6	26.6
8	24.0	21.6	30.7	27.0	33.0	29.1	33.9	30.6	31.8	29.1	28.7	25.7
9	27.1	22.2	30.7	27.3	33.7	29.6	33.7	31.2	31.3	29.1	29.1	26.6
10	27.6	23.5	30.7	27.5	33.7	30.2	32.4	31.2	31.8	29.1	29.1	27.1
11	26.6	23.5	31.3	28.1	31.8	29.3	33.0	30.7	32.4	29.6	29.1	27.2
12	25.7	24.0	31.8	28.6	31.8	29.6	31.9	29.0	31.8	29.6	29.6	27.1
13	27.1	23.8	31.8	29.1	30.1	26.6	31.8	29.0	32.4	29.6	30.7	28.1
14	25.7	22.9	31.8	29.6	30.2	26.4	30.7	29.0	32.4	30.7	31.8	28.1
15	26.2	22.1	31.8	29.1	30.2	23.6	32.4	28.6	33.6	31.3	32.4	29.1
16	26.2	23.3	31.5	29.1	29.6	23.6	32.4	29.7	33.0	30.7	33.0	29.1
17	27.1	24.2	31.8	29.1	29.3	24.1	31.8	28.6	33.0	30.7	32.6	29.1
18	27.1	25.1	31.8	29.8	28.6	26.8	29.6	26.6	34.3	31.2	31.8	29.6
19	27.6	25.5	31.3	29.6	30.7	27.1	29.6	27.1	34.3	30.8	32.4	29.5
20	28.1	26.2	30.2	29.1	30.7	28.0	29.6	28.1	32.4	30.7	32.4	29.1
21	28.6	26.6	30.7	27.4	29.1	27.0	30.7	28.6	33.0	29.6	31.3	28.6
22	29.1	27.1	30.2	27.0	30.7	26.6	30.3	29.1	33.3	30.1	30.7	29.1
23	29.6	27.1	30.7	26.6	29.6	27.1	33.0	29.1	32.4	29.6	30.5	28.1
24	28.1	27.0	30.7	27.0	27.6	25.7	31.8	29.6	31.8	29.1	30.8	28.6
25	27.1	23.4	30.7	27.0	28.6	25.7	31.0	28.1	31.3	29.1	30.7	28.5
26	24.0	21.8	31.3	27.1	29.2	25.7	29.6	27.1	30.7	27.1	30.7	29.1
27	25.8	22.3	29.6	27.5	31.3	27.6	29.6	26.6	29.1	27.1	30.7	29.1
28	24.4	23.1	29.1	27.5	31.8	29.1	28.7	26.7	30.7	28.4	30.7	28.1
29	26.6	22.2	30.7	27.3	31.8	29.1	29.1	26.2	31.3	29.1	30.2	27.3
30	27.6	23.8	30.7	28.1	32.4	29.5	28.6	27.0	30.7	29.1	30.8	27.6
31	---	---	31.3	29.1	---	---	29.2	26.6	30.7	28.8	---	---
MONTH	---	---	31.8	25.5	33.7	23.6	34.3	26.2	34.3	25.7	33.0	25.7

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	12.30	10.10	12.07	10.60	11.20	9.51	12.22	10.16	11.74	9.39	12.08	9.31
2	12.22	10.15	11.85	10.38	11.31	9.50	12.35	10.10	12.08	9.37	11.66	9.63
3	12.52	10.91	11.77	10.26	11.39	9.35	12.17	9.71	11.94	9.91	11.04	9.11
4	13.49	11.73	11.72	9.79	11.48	9.22	11.74	9.10	11.20	9.33	10.68	9.12
5	13.02	10.69	11.48	9.14	11.59	9.11	11.74	9.09	10.23	9.09	11.21	9.49
6	12.36	10.55	12.06	9.37	11.86	9.07	11.90	9.09	10.61	9.09	11.56	9.73
7	12.23	10.42	12.34	9.63	11.88	9.28	12.17	9.87	10.74	9.10	11.57	9.92
8	12.01	9.99	12.69	10.01	11.86	9.19	11.64	9.29	11.15	9.44	11.16	9.12
9	12.04	9.83	11.21	9.09	12.00	9.47	10.33	9.07	11.34	9.53	10.38	9.10
10	12.25	10.11	11.70	9.34	12.11	9.16	10.90	9.13	11.46	9.76	10.41	9.10
11	12.24	10.08	12.22	9.79	10.42	9.07	11.10	9.44	11.66	9.76	10.08	9.10
12	11.83	9.85	12.29	9.10	10.81	9.08	11.59	10.18	11.00	9.77	11.16	9.10
13	11.85	9.94	11.16	9.55	11.13	9.51	10.69	9.17	11.01	9.10	11.38	9.11
14	12.12	10.18	11.28	9.93	11.37	9.79	11.34	9.36	11.49	9.13	11.40	9.12
15	12.54	10.14	10.83	9.54	11.23	9.77	11.51	9.33	11.86	9.33	11.67	9.16
16	11.00	9.42	11.03	9.60	11.66	10.03	11.73	9.15	11.72	9.57	11.73	9.39
17	11.03	9.52	11.43	9.92	11.89	9.84	12.08	9.19	11.38	9.08	11.89	9.52
18	11.85	10.53	11.75	9.76	12.46	9.71	12.58	9.23	11.43	9.10	11.98	9.79
19	11.91	10.64	11.73	9.66	12.86	10.04	12.47	9.45	11.62	9.34	12.19	9.88
20	12.30	10.68	12.14	9.40	12.64	10.31	11.56	9.07	11.76	9.53	11.29	9.50
21	12.23	9.99	12.05	9.52	12.00	9.10	11.73	9.14	11.07	9.22	10.98	9.35
22	11.60	9.61	11.97	9.10	12.07	9.12	11.07	9.10	11.18	9.41	10.87	9.12
23	12.02	9.75	12.30	9.19	11.85	9.19	11.09	9.10	11.00	9.34	11.25	9.18
24	12.09	9.70	12.39	9.39	11.83	9.08	11.66	9.85	11.09	9.25	11.49	9.18
25	12.28	9.65	12.37	9.41	11.39	9.10	10.91	9.16	11.01	9.15	11.71	9.40
26	12.50	9.77	11.45	9.10	11.69	9.51	11.52	9.60	10.99	9.26	11.36	9.55
27	12.59	10.00	11.57	9.47	11.35	9.72	11.43	9.99	10.99	9.21	11.74	9.42
28	12.90	10.12	11.77	9.62	11.23	9.90	10.89	9.11	11.24	9.15	11.64	9.85
29	11.79	9.15	11.40	10.12	11.14	9.50	11.54	9.29	10.82	9.36	10.96	9.50
30	11.33	9.45	11.09	9.62	11.80	9.65	11.39	9.42	---	---	11.69	9.43
31	11.77	10.01	---	---	12.24	9.79	11.45	9.40	---	---	11.36	9.45
MONTH	13.49	9.15	12.69	9.09	12.86	9.07	12.58	9.07	12.08	9.08	12.19	9.10

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	11.48	9.98	10.81	9.26	11.73	9.14	12.13	9.20	12.21	9.92	11.58	9.85
2	11.31	9.13	11.14	9.13	11.96	9.14	12.17	9.35	12.01	9.97	11.61	9.89
3	11.01	9.16	11.71	9.18	12.16	9.32	12.05	9.46	11.59	9.95	11.66	9.83
4	11.70	9.61	11.76	9.20	12.23	9.42	12.05	9.46	11.39	9.95	11.51	10.06
5	11.72	9.47	11.86	9.19	11.87	9.38	11.78	9.66	11.40	9.93	11.71	10.14
6	11.95	9.62	11.90	9.22	11.60	9.37	11.99	9.99	11.46	9.91	11.75	9.90
7	11.67	9.42	11.88	9.24	11.41	9.30	11.14	9.90	11.55	9.93	11.50	9.94
8	11.76	9.37	11.73	9.27	11.46	9.47	11.37	9.95	11.77	9.85	11.70	9.86
9	11.73	9.32	11.62	9.21	11.49	9.97	11.55	9.90	11.76	9.83	11.73	9.89
10	11.03	9.31	11.22	9.41	11.45	9.90	11.65	9.66	11.88	9.93	11.79	9.82
11	11.10	9.12	11.19	9.38	11.77	9.72	11.62	9.58	12.00	9.84	11.91	10.11
12	11.46	9.15	11.24	9.76	11.72	9.54	11.63	9.49	12.11	9.79	11.80	10.07
13	11.50	9.54	11.34	9.76	11.55	9.37	11.77	9.40	11.97	9.85	11.81	10.03
14	11.61	9.76	11.10	9.24	11.59	9.34	11.88	9.58	11.95	9.78	11.66	9.99
15	11.60	9.87	11.42	9.33	11.73	9.24	11.89	9.47	12.03	9.89	11.64	9.85
16	11.36	9.14	11.60	9.29	11.76	9.21	11.75	9.51	11.70	9.86	11.86	10.13
17	10.89	9.14	11.67	9.40	11.71	9.37	11.67	9.32	11.72	9.86	12.12	10.22
18	11.53	9.35	11.73	9.24	11.69	9.41	11.43	9.37	11.49	9.83	12.03	10.08
19	11.60	9.30	11.72	9.30	11.64	9.32	11.60	9.41	11.06	9.83	11.69	9.78
20	11.57	9.28	11.81	9.44	11.51	9.56	11.35	9.75	11.62	9.89	11.74	9.73
21	11.55	9.16	11.69	9.55	11.24	9.59	11.18	9.82	11.53	9.60	11.98	10.04
22	11.57	9.16	11.64	9.57	11.04	9.67	11.28	9.92	11.79	9.84	12.13	10.00
23	11.46	9.45	11.07	9.36	11.03	9.71	11.45	10.09	11.93	9.82	11.65	9.71
24	11.27	9.46	11.10	9.26	---	---	11.79	10.08	11.85	9.61	11.78	9.77
25	11.06	9.19	11.06	9.47	---	---	11.58	9.70	11.87	9.41	11.96	9.94
26	11.01	9.47	11.18	9.66	---	---	11.63	9.45	11.87	9.39	12.14	9.92
27	10.76	9.45	11.23	9.83	---	---	11.97	9.42	12.07	9.61	11.90	9.76
28	10.89	9.32	11.52	9.85	11.66	9.25	11.93	9.30	12.05	9.72	11.75	9.75
29	11.28	9.50	11.61	9.79	11.73	9.15	12.10	9.38	11.74	9.58	11.97	9.78
30	11.88	9.95	12.03	9.62	11.77	9.13	12.40	9.57	11.82	9.71	11.92	9.65
31	---	---	11.68	9.16	---	---	12.29	9.70	11.70	9.72	---	---
MONTH	11.95	9.12	12.03	9.13	---	---	12.40	9.20	12.21	9.39	12.14	9.65

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DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	37100	30400	36400	14900	24000	4370	---	---	---	---
2	---	---	33900	25500	37100	18100	25100	9730	33700	27800	---	---
3	---	---	35000	28000	39000	19800	26000	11600	33500	28700	---	---
4	26100	7120	36400	29600	42500	25900	27300	12800	32600	28100	---	---
5	29100	13900	37100	29500	---	---	26300	15300	30400	27300	---	---
6	29800	17500	36800	29900	---	---	25100	11500	28900	25200	---	---
7	31600	19300	37800	29800	40300	27000	16100	7230	29500	26200	---	---
8	28700	18200	37800	30000	41200	29700	15600	5220	32400	26700	---	---
9	30200	18100	38500	30500	41300	33900	17000	7270	---	---	---	---
10	28600	17200	38100	30700	41000	34400	17100	6210	---	---	---	---
11	24900	17100	37300	30400	40800	28300	18400	7300	---	---	---	---
12	27400	14600	38100	29800	40800	24800	16600	8780	---	---	---	---
13	30800	17000	37300	32000	38800	25500	19700	8660	---	---	---	---
14	31900	21200	37600	32200	39000	23400	---	---	---	---	---	---
15	32300	24100	36900	31100	39200	25700	---	---	---	---	---	---
16	32700	26000	37500	32000	39800	23900	20000	11900	---	---	---	---
17	31100	19000	38400	32500	38600	13200	23400	12200	---	---	---	---
18	30500	19700	39200	33400	36800	9260	23300	12200	---	---	---	---
19	33400	25200	39400	32700	35600	11700	27100	13600	---	---	---	---
20	34100	26100	39600	33000	31800	5360	25900	18500	---	---	---	---
21	34700	26200	40200	30400	22700	2610	26500	18500	---	---	---	---
22	35000	26200	38600	26300	13100	1970	26300	19200	---	---	---	---
23	35500	26000	36700	24700	10300	1650	28200	21000	---	---	---	---
24	37300	28100	37000	21200	10900	2390	29500	22300	---	---	---	---
25	34700	28700	38600	22300	14500	3260	29600	22600	---	---	---	---
26	35700	26700	38100	23600	15700	4400	29800	24900	---	---	---	---
27	36000	28000	38200	24900	16400	5040	32100	21800	---	---	---	---
28	33900	28500	37800	27000	15200	3030	31100	23600	---	---	---	---
29	35100	28200	39600	31100	8260	3350	32600	25400	---	---	---	---
30	36400	29600	40000	24200	18100	3660	---	---	---	---	---	---
31	---	---	36500	13700	---	---	---	---	---	---	---	---
MONTH	---	---	40200	13700	---	---	---	---	---	---	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
(0.2 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	31.8	28.1	24.5	22.8	21.0	18.6	18.3	15.6	21.3	18.7	---	---
2	31.3	28.5	25.7	23.6	22.1	18.9	21.0	17.4	22.1	18.9	---	---
3	29.6	28.1	26.7	24.4	21.7	19.3	20.3	18.0	20.9	12.6	21.2	19.0
4	28.8	28.1	25.7	24.4	21.3	19.3	18.3	14.5	17.4	10.9	20.6	13.8
5	28.6	27.1	25.3	20.6	21.3	17.4	17.7	13.8	11.4	6.5	21.4	13.5
6	27.6	27.0	25.3	22.3	21.7	18.0	17.7	12.8	13.8	6.0	21.0	17.4
7	28.1	25.7	25.3	23.5	21.7	19.7	17.3	13.8	14.2	10.5	22.9	19.1
8	28.4	26.2	24.4	21.7	22.1	20.0	13.8	9.2	15.9	12.8	23.7	20.8
9	28.6	26.6	21.8	16.4	22.5	20.7	11.8	8.0	17.2	14.0	22.0	13.7
10	28.1	27.1	21.5	18.0	21.5	15.9	13.5	10.3	18.4	15.4	15.6	9.4
11	28.6	26.6	22.8	20.2	17.4	12.1	14.8	11.6	18.6	16.5	13.3	7.0
12	29.7	27.1	22.0	17.5	18.6	14.2	14.4	12.7	18.3	15.4	11.6	8.3
13	29.6	27.1	19.8	16.5	18.3	15.4	14.0	11.8	16.2	10.0	13.8	8.2
14	29.1	26.6	19.6	17.7	21.0	16.6	14.8	11.6	16.8	11.4	15.4	9.8
15	29.1	26.6	18.5	15.6	22.1	18.0	16.6	12.5	16.5	15.5	17.1	11.4
16	26.6	24.0	18.3	14.5	22.1	18.8	18.6	14.6	16.7	13.3	19.5	15.1
17	25.3	23.6	19.6	15.9	22.3	19.7	17.7	15.2	13.8	10.1	20.9	16.5
18	25.3	23.6	20.3	17.3	21.3	19.7	19.3	15.6	14.8	10.3	21.7	17.4
19	26.6	24.0	20.3	17.9	21.0	20.2	18.6	15.6	16.5	13.3	23.2	19.2
20	27.1	24.4	19.0	18.0	20.2	16.8	16.8	12.5	18.3	14.3	21.0	17.7
21	25.7	23.5	19.6	18.1	16.8	10.9	17.4	15.1	20.9	16.6	18.3	15.7
22	24.9	21.0	18.4	12.3	16.2	12.5	19.5	14.3	22.0	18.1	16.2	13.3
23	25.3	21.9	18.3	15.4	14.3	12.3	19.2	15.6	22.3	19.4	17.4	13.5
24	25.7	23.6	19.0	16.8	13.3	8.8	21.2	16.5	22.8	20.3	18.6	15.4
25	25.8	24.0	19.3	17.4	12.3	9.4	19.6	16.4	24.3	21.4	19.6	16.2
26	26.7	24.4	18.9	15.6	13.5	11.1	19.4	15.9	---	---	21.0	17.7
27	27.0	25.2	20.3	16.5	13.2	11.6	19.6	17.0	---	---	22.5	19.4
28	28.1	25.7	21.9	17.8	12.9	11.6	19.8	10.7	---	---	23.2	21.0
29	26.6	23.0	22.1	19.3	13.5	11.1	18.9	15.6	---	---	24.5	20.8
30	25.1	21.1	22.7	20.0	14.6	12.5	20.3	17.4	---	---	25.7	21.2
31	24.0	22.3	---	---	15.9	14.0	20.6	18.0	---	---	26.6	23.4
MONTH	31.8	21.0	26.7	12.3	22.5	8.8	21.2	8.0	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	25.7	22.1	27.6	25.5	29.2	23.6	30.7	26.5	31.8	29.6	32.4	29.6
2	---	---	28.1	23.4	28.6	23.2	31.3	28.3	31.9	30.0	32.8	30.7
3	---	---	28.2	24.4	29.1	25.2	31.8	29.5	31.3	29.4	33.0	30.7
4	---	---	29.1	25.7	29.1	25.2	31.8	29.8	31.3	29.0	32.4	30.4
5	22.6	18.9	29.1	26.1	29.6	26.5	30.1	28.1	33.0	29.1	33.0	30.2
6	24.0	20.6	29.6	27.1	30.7	27.1	29.6	27.0	32.4	29.1	33.0	30.1
7	23.6	21.5	29.6	27.0	31.8	28.1	29.6	26.5	32.4	29.1	33.7	30.7
8	23.6	21.5	29.1	26.6	31.8	28.9	32.4	28.1	31.4	29.6	32.4	30.1
9	22.1	20.7	29.1	26.5	31.3	28.6	30.7	29.1	31.8	29.1	31.8	29.0
10	22.5	20.3	29.1	25.7	30.7	27.9	31.3	28.5	31.8	29.6	30.1	27.4
11	21.3	18.9	29.6	25.7	30.7	26.9	33.0	29.1	31.3	29.6	29.4	27.1
12	22.5	9.4	30.1	25.6	30.7	28.1	32.4	29.6	30.7	29.1	30.7	27.0
13	23.6	12.6	30.7	27.1	31.8	27.1	32.4	29.6	31.6	28.6	30.7	28.6
14	24.5	19.9	30.7	26.6	32.4	27.5	33.0	30.1	31.8	29.1	30.7	29.1
15	25.7	21.9	30.1	26.6	31.9	28.6	32.4	30.7	31.9	30.1	30.7	29.1
16	25.3	23.1	29.6	25.5	31.3	27.9	32.4	29.5	32.4	29.6	30.6	28.6
17	24.9	18.9	29.1	26.0	31.6	27.0	32.0	29.6	32.4	30.1	31.3	29.1
18	24.1	18.6	29.1	26.3	31.8	27.5	32.4	29.1	32.2	29.6	31.8	29.6
19	24.0	21.0	28.6	26.8	32.1	28.9	32.4	28.9	31.8	29.1	32.4	29.1
20	25.3	21.8	29.1	26.5	31.2	27.6	33.0	30.7	30.7	28.6	31.8	29.1
21	25.7	22.9	29.1	26.6	29.1	27.1	33.1	31.1	31.3	28.1	30.1	28.5
22	26.7	23.3	27.6	25.2	31.3	27.0	33.7	31.2	31.3	27.5	29.1	27.9
23	26.7	23.8	30.7	25.2	31.7	29.1	34.3	31.8	31.3	27.5	29.6	26.6
24	27.1	24.7	29.6	27.1	33.1	29.6	33.0	31.2	29.6	27.6	29.1	26.5
25	27.1	25.0	31.3	27.6	33.7	30.7	34.4	30.7	31.3	27.1	28.1	25.9
26	27.1	23.4	33.0	29.0	34.3	31.2	34.3	30.7	31.8	28.6	28.1	25.7
27	29.1	25.2	33.2	29.1	31.8	28.1	33.7	30.7	31.8	29.0	28.8	25.8
28	29.6	25.6	33.0	29.6	30.7	27.3	32.4	29.6	31.8	29.1	29.1	26.9
29	30.1	26.2	31.8	29.6	31.2	28.6	32.4	29.6	31.8	29.1	29.5	27.1
30	30.1	26.1	29.6	28.1	30.2	24.4	31.8	29.1	31.8	29.6	30.1	27.4
31	---	---	31.3	25.7	---	---	31.3	29.0	31.8	29.6	---	---
MONTH	---	---	33.2	23.4	34.3	23.2	34.4	26.5	33.0	27.1	33.7	25.7

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

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02300064 BRADEN RIVER AT BRADENTON, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	11.79	9.71	11.75	10.04	11.85	10.12	11.15	9.77	11.35	9.32	---	---
2	11.80	9.90	11.81	10.21	11.46	9.75	11.13	9.82	11.38	9.44	---	---
3	11.80	9.94	11.42	9.49	10.87	9.78	11.21	9.69	11.36	9.34	---	---
4	11.56	9.80	11.12	9.85	10.98	9.45	11.60	9.45	11.95	9.22	---	---
5	11.32	9.82	11.40	10.27	11.51	9.80	11.68	9.53	11.80	9.21	---	---
6	11.71	10.12	11.54	10.18	11.72	9.67	11.89	9.35	11.87	9.22	---	---
7	14.36	11.49	12.12	10.08	11.98	9.76	11.92	9.31	11.92	9.26	---	---
8	14.33	10.73	12.07	10.21	11.72	9.81	12.16	9.21	12.11	9.49	---	---
9	11.90	10.35	11.80	9.27	11.46	9.21	12.27	9.48	11.47	9.21	---	---
10	11.73	9.97	11.80	9.49	11.82	9.20	12.55	9.25	11.17	9.42	---	---
11	11.42	9.73	11.57	9.29	11.96	9.21	11.93	9.25	10.90	9.30	---	---
12	11.29	9.62	11.44	9.19	12.13	9.25	11.26	9.21	11.33	9.63	---	---
13	11.39	9.46	11.23	9.18	12.06	9.31	10.43	9.20	11.77	9.69	---	---
14	11.63	9.52	11.30	9.19	11.59	9.22	10.68	9.22	11.69	10.00	---	---
15	11.88	9.69	11.50	9.27	11.23	9.22	11.51	9.60	10.87	9.64	---	---
16	12.15	9.84	11.58	9.33	11.31	9.61	11.71	10.26	10.53	9.20	---	---
17	12.17	10.05	12.09	10.05	11.70	10.28	10.96	9.35	10.23	9.20	---	---
18	12.27	10.08	11.84	10.28	11.77	10.49	10.48	9.22	10.89	9.19	---	---
19	11.55	9.58	11.83	10.43	11.33	9.83	11.50	9.20	11.30	9.21	---	---
20	11.78	10.10	12.10	10.45	10.60	9.21	11.55	9.21	11.46	9.25	---	---
21	11.72	10.08	12.11	10.29	10.67	9.21	11.54	9.22	---	---	---	---
22	11.88	10.30	12.02	10.01	11.33	9.21	11.68	9.21	---	---	---	---
23	11.91	10.28	12.10	9.47	11.86	9.21	11.70	9.24	---	---	---	---
24	11.91	10.04	12.37	9.62	11.86	9.37	11.68	9.35	---	---	---	---
25	11.94	9.86	12.38	9.78	11.82	9.21	11.81	9.59	---	---	---	---
26	11.97	9.79	12.36	9.82	11.55	9.21	11.12	9.19	---	---	---	---
27	11.97	9.46	11.57	9.20	11.72	9.21	11.10	9.35	---	---	---	---
28	11.90	9.49	10.88	9.19	11.43	9.21	11.11	9.69	---	---	---	---
29	11.72	9.56	11.22	9.26	11.33	9.36	11.19	9.47	---	---	---	---
30	11.89	9.67	11.67	9.83	10.98	9.21	10.87	9.77	---	---	---	---
31	11.95	9.75	---	---	10.96	9.48	10.81	9.62	---	---	---	---
MONTH	14.36	9.46	12.38	9.18	12.13	9.20	12.55	9.19	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	11.52	9.71	12.07	10.10	11.84	9.56	12.07	9.40	12.02	9.75
2	---	---	11.64	9.85	11.94	9.64	12.19	9.69	12.17	9.67	12.06	10.04
3	---	---	11.82	10.05	12.00	9.47	12.11	9.52	12.10	9.65	12.11	10.22
4	---	---	11.60	9.63	12.05	9.52	12.20	9.53	12.24	9.91	11.84	9.94
5	11.81	9.67	10.91	9.25	12.21	9.66	12.17	9.27	12.12	10.00	11.47	9.77
6	11.85	9.83	11.89	9.55	12.14	9.46	12.03	9.42	11.81	9.93	11.32	9.87
7	11.77	9.50	11.94	9.45	11.95	9.37	11.77	9.56	11.51	9.88	11.62	10.06
8	11.40	9.23	12.19	9.58	11.64	9.57	11.55	9.40	11.26	9.71	11.85	10.24
9	11.50	9.19	11.99	9.53	11.90	9.64	11.68	9.69	11.23	9.78	11.83	10.15
10	11.41	9.20	11.80	9.39	11.62	9.51	11.53	9.85	11.46	10.12	11.92	10.08
11	11.90	9.23	11.56	9.39	11.44	9.50	11.40	10.02	11.55	10.04	12.14	10.08
12	11.90	9.59	11.83	9.39	11.41	9.84	11.48	10.03	11.59	9.89	12.10	9.92
13	11.63	9.55	11.41	9.88	11.68	10.25	11.47	10.18	11.66	9.73	12.12	9.85
14	10.40	9.51	11.01	9.75	11.70	10.29	11.62	9.90	11.93	9.72	12.32	9.75
15	10.42	9.20	11.11	9.68	11.89	10.20	11.76	9.70	12.20	9.62	12.41	10.03
16	10.68	9.26	11.18	9.67	11.76	9.82	11.73	9.51	12.25	9.56	12.43	10.15
17	11.56	9.67	11.18	9.79	11.79	9.68	11.91	9.45	12.39	9.69	12.14	9.98
18	11.54	9.85	11.33	9.61	11.92	9.48	12.22	9.50	12.38	9.71	11.93	9.83
19	11.20	9.80	11.56	9.59	11.94	9.38	12.44	9.42	12.37	9.81	11.73	9.62
20	11.38	9.87	11.72	9.44	11.99	9.26	12.59	9.53	12.20	9.99	11.87	9.71
21	11.64	9.73	11.72	9.31	12.00	9.30	12.35	9.59	12.10	10.15	11.90	9.76
22	11.81	9.62	11.66	9.22	12.04	9.38	12.19	9.57	11.89	10.31	11.67	9.73
23	13.04	10.39	11.78	9.20	12.07	9.35	12.11	9.84	11.71	9.93	11.78	9.91
24	11.71	9.44	11.97	9.39	11.93	9.43	11.75	9.90	11.71	9.98	11.66	10.08
25	11.93	9.41	12.19	9.62	11.61	9.46	11.40	9.91	11.59	9.78	11.70	10.15
26	12.06	9.57	12.03	9.46	11.51	9.62	11.44	9.94	11.64	9.75	12.17	10.47
27	12.13	9.61	11.53	9.46	11.30	9.67	11.67	10.01	11.84	9.87	12.44	10.89
28	12.73	9.87	11.43	9.34	11.44	9.88	11.64	9.77	11.93	9.90	12.32	10.53
29	11.49	9.92	10.98	9.25	11.73	9.85	11.64	9.59	11.93	9.78	11.81	9.98
30	11.45	9.58	11.18	9.39	11.72	9.69	11.78	9.51	11.90	9.85	11.75	10.06
31	---	---	11.36	9.65	---	---	12.03	9.61	12.00	9.87	---	---
MONTH	---	---	12.19	9.20	12.21	9.26	12.59	9.27	12.39	9.40	12.44	9.62

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN**

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(0.2 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	39200	33000	43000	39000	40500	38500	40000	37700	41400	38700
2	---	---	40100	35500	41600	34400	40600	38500	40200	37800	41400	38800
3	---	---	38900	31500	39200	35600	41100	38100	40100	37800	41500	38200
4	---	---	38500	31500	39500	35000	41100	38000	40700	37200	41200	38600
5	38700	31900	38800	32500	41300	36400	41200	38700	40500	37400	41500	38800
6	40500	32000	39900	34400	41800	36900	41100	38000	40300	37700	40900	39300
7	44100	37200	41800	32100	41800	37400	41800	38200	40400	37800	40500	38200
8	43900	27500	41700	37100	41400	35400	41600	38200	40800	38300	41500	38800
9	36400	24700	41000	33000	40200	34700	41000	38600	40500	38000	41700	39500
10	35300	21000	39200	32400	40400	34100	40600	36500	39700	38500	42100	39300
11	33800	20000	39700	33800	41100	35800	39300	36400	39500	38200	42100	39800
12	33700	19700	39800	33400	41500	36700	39400	36600	40000	38300	41800	38300
13	33800	19800	39200	33300	41500	36800	38600	36200	41000	38400	42500	40100
14	35100	21400	39700	34000	40600	36500	39200	36300	---	---	42700	40000
15	37100	25000	40500	33800	39900	36400	40200	37000	---	---	42100	39200
16	40300	27200	41000	34700	40500	37100	41500	38200	---	---	41000	38300
17	---	---	42100	38100	41600	38900	39700	37500	38400	30500	41800	38200
18	---	---	42200	39000	41700	38800	38800	37000	39200	32000	41900	39000
19	---	---	42700	38700	41400	37000	40700	36100	39800	34300	41800	39600
20	36200	26100	43000	38200	39000	31900	40400	37000	40400	36000	---	---
21	35600	26400	43200	38500	34600	31300	40500	37300	41000	37700	---	---
22	37400	28500	43200	34600	35100	31800	40800	36900	41300	38500	---	---
23	38000	30400	42500	38200	41600	32200	40800	37300	40400	37900	---	---
24	37500	30300	42300	38900	41600	35700	40500	37600	39500	36800	---	---
25	38600	31000	43000	35800	42100	37800	40500	37900	40600	35300	---	---
26	---	---	43200	36900	40900	37500	39700	35600	40900	32100	---	---
27	---	---	41700	38000	41300	36300	39900	37200	41000	32200	---	---
28	---	---	40700	34900	41100	37400	40000	37600	41300	37200	---	---
29	---	---	41600	37900	40800	37200	39700	37600	---	---	---	---
30	---	---	42500	37800	41100	37700	40000	38100	---	---	---	---
31	39400	31100	---	---	40500	37700	39600	37900	---	---	---	---
MONTH	---	---	43200	31500	43000	31300	41800	35600	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	---	---	38400	30200	---	---	28300	11300	33900	21900
2	---	---	---	---	38300	29800	---	---	28600	13900	35900	24100
3	---	---	---	---	38300	29400	---	---	28600	14100	36100	26400
4	---	---	---	---	38300	30600	---	---	27000	15300	47700	25500
5	44100	40700	---	---	38800	31400	---	---	25600	13600	---	---
6	44200	41400	---	---	40000	31200	---	---	20300	9650	34700	24200
7	44000	41400	---	---	39100	30700	---	---	18000	8650	36100	26100
8	43500	41300	---	---	38800	30800	---	---	18300	8220	36900	27900
9	43500	38200	35200	31400	39000	31700	---	---	22300	6040	37600	26100
10	43900	40500	34800	31400	38700	31800	---	---	16700	5290	37800	31000
11	44600	40800	33800	31700	38800	31400	---	---	15100	4940	39100	30300
12	44800	39900	36100	31700	40900	32500	---	---	16600	4800	39200	31100
13	44500	40000	---	---	40200	35100	---	---	20800	6290	39900	32400
14	41900	37400	---	---	39800	33600	---	---	22200	5270	39900	32800
15	39500	32400	---	---	39900	34900	---	---	24500	4750	40300	34100
16	41000	34500	---	---	39900	30800	28600	8980	24700	5780	41900	34600
17	43300	37400	---	---	39700	35200	30200	11000	27400	11000	41100	34500
18	43500	39100	---	---	40200	35200	31100	15800	27700	9380	40600	34500
19	43500	36500	35000	30000	40800	34100	32000	15000	27100	9790	40400	34800
20	43800	40900	35000	29800	40600	34900	29600	13300	28000	11700	41200	35500
21	44800	41900	34900	29800	41100	35200	24400	10300	27500	14900	41200	35300
22	45400	42100	33700	29800	42200	35500	23800	9960	27200	12000	41200	35100
23	46300	39900	34500	29700	41800	28700	24600	10600	24700	10900	41100	36500
24	43800	32900	36500	29700	38700	28600	22300	11400	25900	13600	41000	26300
25	43800	33300	37900	29800	---	---	20300	12000	25400	13600	41700	31800
26	41700	30900	37600	29900	---	---	20000	11700	26200	13900	42500	23900
27	39200	30600	35300	29700	---	---	22900	10800	28800	16000	36300	1940
28	---	---	34500	29500	---	---	22700	8100	32300	19900	1950	882
29	---	---	34300	29600	---	---	25200	9570	33900	20600	1460	833
30	---	---	35300	29500	---	---	25600	8910	33800	23300	1550	1060
31	---	---	37400	29400	---	---	29200	10900	34600	24000	---	---
MONTH	---	---	---	---	---	---	---	---	34600	4750	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
MANATEE RIVER BASIN

195

02300064 BRADEN RIVER AT BRADENTON, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
(0.2 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	29.6	27.0	27.8	25.7	22.1	18.7	22.5	19.3	19.6	15.9	25.7	22.2
2	29.4	27.1	27.6	25.6	22.1	19.8	22.5	20.0	20.3	16.8	25.3	23.0
3	28.1	26.9	26.1	21.5	21.0	18.6	22.1	19.9	20.6	17.1	25.7	23.4
4	28.5	26.1	24.4	19.9	19.7	16.9	22.5	19.9	21.0	16.8	27.1	24.4
5	27.1	25.6	25.3	21.5	19.3	16.8	22.1	20.0	22.1	19.3	27.1	23.0
6	25.7	25.1	25.7	23.0	21.0	18.0	22.6	20.4	22.8	19.8	27.5	24.8
7	25.7	24.4	25.7	23.7	21.7	19.5	23.2	20.4	23.6	20.7	24.9	21.1
8	26.1	25.2	24.9	22.0	20.9	17.7	23.2	20.8	23.6	21.5	24.9	20.6
9	26.6	24.4	22.3	18.6	17.7	15.4	23.2	21.0	23.8	19.6	24.6	21.9
10	27.1	24.0	20.2	16.5	17.7	14.2	21.0	18.9	20.5	17.8	25.3	23.0
11	25.4	21.4	19.6	16.2	17.7	15.1	19.6	14.6	19.6	16.5	25.7	23.4
12	24.9	21.8	18.6	12.1	18.9	16.7	19.6	16.8	18.9	15.6	26.5	23.7
13	23.6	22.4	20.2	15.6	19.9	17.4	17.7	15.1	20.7	17.4	25.7	23.8
14	24.0	21.1	21.3	16.5	20.6	17.8	17.7	15.4	24.9	19.7	25.0	23.5
15	24.9	20.3	21.3	17.8	20.3	16.8	19.8	15.6	---	---	24.9	22.0
16	25.7	23.2	21.0	17.3	20.3	16.5	19.2	16.8	---	---	25.6	21.8
17	27.1	24.0	21.0	18.0	19.9	16.8	16.8	12.5	---	---	25.7	20.1
18	---	---	21.0	18.3	19.3	17.7	14.3	10.3	22.8	17.5	25.3	21.9
19	---	---	21.7	18.9	18.2	13.0	13.3	8.4	22.1	18.4	25.7	22.2
20	23.6	17.8	22.1	19.9	13.0	8.8	14.9	11.1	22.8	20.0	---	---
21	24.5	18.6	22.9	20.6	11.4	4.6	15.9	12.1	23.2	20.6	---	---
22	24.9	21.7	23.6	21.0	13.3	8.6	16.2	13.3	23.7	21.0	---	---
23	25.3	22.7	21.3	18.9	15.1	11.6	19.1	14.8	---	---	---	---
24	25.9	23.9	21.0	18.9	16.2	13.5	19.9	16.2	---	---	---	---
25	26.2	23.9	21.3	19.3	16.4	14.3	19.9	17.5	---	---	---	---
26	25.7	24.0	21.3	19.6	17.1	14.6	21.5	17.7	---	---	---	---
27	26.2	24.4	20.3	16.2	19.0	15.4	19.9	17.1	---	---	---	---
28	26.3	24.4	21.7	15.6	21.0	16.6	20.6	18.0	---	---	---	---
29	27.1	24.8	20.6	16.8	21.7	17.4	22.1	19.3	---	---	---	---
30	27.1	25.2	21.0	17.7	22.1	18.2	21.3	18.6	---	---	---	---
31	28.1	25.1	---	---	22.1	19.0	19.6	17.0	---	---	---	---
MONTH	---	---	27.8	12.1	22.1	4.6	23.2	8.4	---	---	---	---

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	28.6	23.7	29.6	27.9	32.9	30.1	31.0	28.7	29.3	26.4
2	---	---	30.1	25.7	30.7	27.0	32.6	30.1	29.9	27.5	29.9	25.9
3	---	---	30.2	27.1	30.7	27.5	33.7	30.2	29.3	27.0	29.9	28.1
4	---	---	29.6	26.5	30.7	27.5	33.7	30.7	29.3	27.0	---	---
5	25.1	21.7	27.1	22.9	30.7	27.5	32.4	28.9	28.7	27.0	---	---
6	25.7	22.6	27.6	23.2	30.7	27.6	31.8	29.0	30.5	27.0	29.5	27.0
7	26.2	24.0	27.7	24.5	30.1	27.0	32.4	29.1	30.5	28.1	29.5	27.0
8	25.7	23.4	28.1	25.3	29.1	26.1	33.0	29.6	30.5	28.1	30.0	26.8
9	24.8	22.1	28.7	26.1	28.1	26.1	32.4	29.1	30.5	27.5	32.2	27.0
10	25.3	22.0	29.6	26.7	29.1	26.6	32.6	30.2	30.5	27.5	31.7	27.5
11	23.6	21.9	27.7	25.6	29.6	27.1	32.3	29.1	32.5	27.5	32.2	28.4
12	24.4	21.4	26.6	24.8	30.1	27.9	33.7	28.5	32.5	28.1	30.5	28.9
13	24.9	23.4	27.1	24.6	30.1	28.6	33.6	29.1	32.5	29.3	31.1	28.0
14	24.4	19.3	29.1	25.1	31.8	28.6	32.4	28.6	31.8	29.2	31.7	28.9
15	21.0	17.4	30.2	26.0	32.4	29.1	30.5	27.9	31.1	29.3	31.1	28.9
16	22.1	19.0	28.8	26.9	33.0	29.1	31.8	27.3	31.8	28.1	31.1	28.4
17	24.0	20.3	27.6	25.6	33.7	30.7	31.8	27.0	32.5	28.1	31.1	28.4
18	22.0	18.7	28.1	25.7	33.7	30.7	31.4	27.5	31.1	28.1	30.6	28.4
19	22.5	18.5	29.1	26.0	33.7	30.8	30.5	26.4	31.8	28.1	31.1	28.4
20	24.0	20.0	30.7	27.0	33.1	30.7	29.3	26.2	32.5	29.3	31.7	28.4
21	24.0	21.3	31.8	27.9	32.4	30.7	29.9	26.5	31.8	30.1	31.9	28.9
22	25.3	22.4	31.8	28.6	31.8	29.6	30.6	27.5	31.1	28.7	32.2	28.4
23	24.4	22.2	31.1	28.1	31.8	27.1	30.5	27.5	30.5	27.5	31.7	28.4
24	24.4	21.0	30.1	27.6	30.5	27.1	31.1	28.1	31.8	28.1	32.2	28.3
25	25.5	21.7	30.7	27.5	30.7	27.4	30.5	28.1	32.5	28.1	31.7	28.4
26	24.2	21.1	31.3	28.7	31.3	27.1	30.5	28.7	31.1	27.5	30.0	28.9
27	26.2	22.9	31.8	29.6	31.8	28.4	31.1	28.1	30.7	27.0	28.9	26.6
28	25.7	23.6	31.8	29.1	32.4	29.6	29.9	27.5	31.1	27.3	28.5	25.7
29	25.3	23.2	30.7	27.1	32.4	28.9	32.5	27.3	31.1	27.5	29.5	26.1
30	27.1	23.3	31.3	27.4	33.7	29.1	30.5	28.1	30.8	27.5	29.7	26.6
31	---	---	31.8	27.6	---	---	31.8	27.7	30.5	27.5	---	---
MONTH	---	---	31.8	22.9	33.7	26.1	33.7	26.2	32.5	27.0	---	---

LOCATION.--Lat 27°42'16", long 82°11'53", in NW 1/4 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 mi².

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	1.9	1.3	e2.5	2.7	1.6	.54	13	39	6.4	140	36
2	4.3	1.9	16	e2.6	2.4	1.5	.47	4.2	23	5.9	94	48
3	4.2	1.8	5.4	e2.4	2.2	2.0	.43	1.7	19	5.4	67	52
4	4.0	1.8	3.6	e2.2	2.0	3.1	.37	1.4	20	4.9	65	34
5	4.1	1.7	2.7	1.9	2.0	1.9	.30	1.2	17	17	170	25
6	4.5	1.7	2.5	1.8	2.0	e1.1	.27	1.0	19	80	160	24
7	8.6	1.6	5.0	1.8	1.9	e.90	.27	.87	13	78	120	23
8	32	1.6	38	1.8	1.9	e.85	.42	.75	4.8	43	174	22
9	22	1.6	20	2.4	1.8	e.80	.41	.64	3.4	20	308	22
10	11	1.5	7.6	6.7	1.8	e.72	.41	.57	3.8	23	210	22
11	7.2	e1.3	4.3	4.9	1.8	e.88	.35	.52	4.9	13	218	24
12	5.4	e1.1	3.4	3.7	1.8	e1.1	.65	1.6	29	23	188	27
13	4.7	e1.0	3.0	3.1	1.7	e1.4	.69	4.5	39	30	145	26
14	4.4	e.84	2.8	3.0	1.7	e1.5	.73	4.8	38	28	112	24
15	4.3	e.72	2.6	2.9	3.2	1.2	2.5	1.9	31	33	80	23
16	3.7	e.62	2.5	2.8	7.7	.87	1.7	1.2	40	43	69	22
17	3.5	e.54	2.4	2.5	13	.76	1.6	1.1	38	39	58	25
18	4.4	e.43	2.3	2.2	7.6	.65	.95	1.0	28	28	46	19
19	3.6	e.50	2.1	3.0	4.5	.57	.78	.89	26	16	55	20
20	3.0	e.66	2.1	2.4	3.3	.56	.67	.80	28	11	49	21
21	2.7	e.90	2.0	2.0	2.7	6.0	.59	.67	30	8.8	40	21
22	2.6	e1.1	e2.1	1.9	2.3	9.6	.52	.56	28	8.4	33	23
23	2.5	e1.7	e2.2	1.8	2.0	7.1	1.7	.80	29	8.3	39	25
24	2.5	e2.0	e2.1	1.8	1.8	3.6	3.7	13	23	23	33	42
25	2.4	e2.4	e2.0	2.1	1.7	2.0	1.6	3.4	17	30	28	38
26	2.3	e2.0	e1.9	3.1	1.7	1.4	27	2.7	22	23	32	85
27	2.1	e1.8	e1.8	2.6	1.6	1.1	40	1.4	18	26	32	444
28	2.1	e1.6	e2.1	2.5	1.6	.94	31	1.0	12	52	28	427
29	2.0	e1.4	e2.4	2.3	---	.81	55	2.7	8.3	144	25	205
30	2.0	1.2	e2.6	3.1	---	.72	35	26	7.3	174	25	117
31	2.0	---	e2.4	3.0	---	.63	---	33	---	230	31	---
TOTAL	168.2	40.91	153.2	82.8	82.4	57.86	210.62	128.87	658.5	1275.1	2874	1966
MEAN	5.43	1.36	4.94	2.67	2.94	1.87	7.02	4.16	22.0	41.1	92.7	65.5
MAX	32	2.4	38	6.7	13	9.6	55	33	40	230	308	444
MIN	2.0	.43	1.3	1.8	1.6	.56	.27	.52	3.4	4.9	25	19
CFSM	.17	.04	.16	.09	.09	.06	.22	.13	.70	1.31	2.95	2.09
IN.	.20	.05	.18	.10	.10	.07	.25	.15	.78	1.51	3.40	2.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

MEAN	20.7	11.9	11.8	20.3	25.7	26.1	13.9	10.6	31.5	54.3	68.5	64.1
MAX	83.0	76.4	47.0	73.7	123	119	101	76.1	163	187	264	262
(WY)	1996	1996	1984	1973	1983	1983	1973	1987	1968	1968	1967	1979
MIN	.36	.38	1.19	1.58	1.98	.58	.001	.000	.66	2.13	1.56	4.72
(WY)	1975	1975	1985	1975	1974	1974	1975	1967	1964	1985	1996	1974

WATER YEARS 1964 - 1997

	FOR 1991 WATER YEAR		FOR 1992 WATER YEAR		FOR 1993 WATER YEAR	
ANNUAL TOTAL	8873.85		7698.46			
ANNUAL MEAN	24.2		21.1		30.0	
HIGHEST ANNUAL MEAN					51.0	
LOWEST ANNUAL MEAN					7.98	
HIGHEST DAILY MEAN	402	Jan 2	444	Sep 27	2190	Sep 22 1979
LOWEST DAILY MEAN	.43	Nov 18	.27	Apr 6	.00	Many Days
ANNUAL SEVEN-DAY MINIMUM	.62	Nov 14	.35	Apr 5	.00	Jun 18 1964
INSTANTANEOUS PEAK FLOW			548	Sep 28	3100	Sep 22 1979
INSTANTANEOUS PEAK STAGE			9.22	Sep 28	12.21	Sep 7 1988
ANNUAL RUNOFF (CFSM)	.77		.67		.95	
ANNUAL RUNOFF (INCHES)	10.51		9.12		12.97	
10 PERCENT EXCEEDS	52		42		72	
50 PERCENT EXCEEDS	19		3.0		8.8	
90 PERCENT EXCEEDS	1.4		.77		1.0	

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
LITTLE MANATEE RIVER BASIN

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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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1135	2.41	3.1	223	7.7	15.5	7.7
FEB 28...	1300	2.20	1.6	221	6.8	20.0	6.9
MAR 31...	1315	2.02	0.65	225	6.0	22.0	7.2
MAY 28...	1130	2.13	1.0	159	7.1	23.5	6.8
AUG 08...	0955	7.46	171	260	6.3	24.5	5.1
SEP 28...	1500	8.69	384	--	--	--	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	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)
JAN 30...	--	<0.010	0.130	0.020	0.52	0.360	0.360
FEB 28...	--	0.050	2.90	1.10	2.1	0.500	0.510
MAR 31...	--	<0.010	0.200	0.030	0.61	0.500	0.480
MAY 28...	--	<0.010	0.140	0.020	0.67	0.480	0.480
AUG 08...	--	0.015	0.050	0.040	1.4	0.900	0.810
SEP 28...	4	<0.010	0.050	0.030	1.3	0.480	0.490

LOCATION.--Lat 27°40'15", long 82°21'10", in NE¹/₄ 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 mi².

REMARKS.--Records good. Some diversion, 3.3 mi upstream from station by Manatee Power Plant since June 1974. Stage-discharge relation affected by tide on some days.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	26	27	31	39	36	32	231	69	60	693	79
2	45	25	151	31	36	34	28	145	68	54	560	92
3	42	23	88	29	33	32	26	115	54	49	342	96
4	43	24	50	28	32	33	27	85	50	46	263	126
5	42	24	36	30	31	35	27	66	48	132	314	85
6	41	24	32	28	31	32	27	55	43	397	542	66
7	66	25	68	27	32	31	28	53	41	412	643	63
8	228	23	258	27	36	30	30	49	34	299	498	59
9	211	22	160	30	32	29	28	46	30	183	530	57
10	139	23	105	47	29	29	26	44	30	266	709	58
11	85	26	73	33	31	29	25	37	32	287	704	59
12	58	23	53	38	32	30	31	61	49	257	646	74
13	48	24	47	35	31	30	29	128	87	289	629	79
14	43	24	45	34	33	51	30	76	135	247	462	62
15	40	24	42	33	41	48	56	81	122	189	294	57
16	41	26	36	33	48	37	53	69	80	181	208	58
17	40	26	26	31	81	33	45	60	65	182	166	66
18	106	25	25	30	65	31	37	58	63	179	150	59
19	56	24	31	32	54	28	34	52	54	141	122	54
20	34	16	27	32	50	30	33	52	49	165	116	52
21	33	15	24	35	44	110	32	55	47	188	125	48
22	33	21	26	31	40	148	31	49	48	140	110	45
23	32	26	25	31	36	158	44	40	54	142	106	48
24	32	27	25	32	33	107	70	66	67	127	98	74
25	30	26	24	33	34	71	58	151	86	280	83	106
26	28	30	24	40	34	59	200	105	115	251	101	327
27	27	30	25	38	38	46	477	78	114	207	98	2380
28	27	28	27	35	37	41	417	57	118	207	87	4510
29	28	26	32	39	---	36	445	48	101	315	76	2310
30	26	24	30	46	---	36	361	55	74	476	70	1260
31	27	---	27	47	---	35	---	70	---	586	67	---
TOTAL	1805	730	1669	1046	1093	1515	2787	2337	2027	6934	9612	12509
MEAN	58.2	24.3	53.8	33.7	39.0	48.9	92.9	75.4	67.6	224	310	417
MAX	228	30	258	47	81	158	477	231	135	586	709	4510
MIN	26	15	24	27	29	28	25	37	30	46	67	45

MEAN	150	68.4	64.0	106	120	141	78.3	51.7	154	303	375	397
MAX	1160	418	290	483	743	831	439	288	683	1444	964	1262
(WY)	1953	1954	1954	1948	1963	1959	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 1996 CALENDAR YEAR			FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	46280.0			44064			
ANNUAL MEAN	126			121		168	
HIGHEST ANNUAL MEAN						411	1959
LOWEST ANNUAL MEAN						40.2	1956
HIGHEST DAILY MEAN	2100	Jan 3		4510	Sep 28	11100	Sep 11 1960
LOWEST DAILY MEAN	15	Nov 21		15	Nov 21	.92	Dec 18 1976
ANNUAL SEVEN-DAY MINIMUM	22	Nov 16		22	Nov 16	1.2	Dec 14 1976
INSTANTANEOUS PEAK FLOW				5510	Sep 28	14000	Sep 11 1960
INSTANTANEOUS PEAK STAGE				17.17	Sep 28	20.14	Sep 8 1988
10 PERCENT EXCEEDS	250			253		388	
50 PERCENT EXCEEDS	80			47		58	
90 PERCENT EXCEEDS	27			26		17	

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PERIOD OF RECORD.--Water years 1957-62, 1964-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

DATE	SULFATE	CHLO-	FLUO-	SILICA,	SOLIDS,	RESIDUE	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-	PHOS-
	DIS-	RIDE,	RIDE,	DIS-	RESIDUE	TOTAL	GEN,	GEN,	GEN,	GEN, AM-	PHOS-	PHOS-
	SOLVED	DIS-	DIS-	SOLVED	AT 180	AT 105	GEN,	GEN,	GEN,	MONIA +	PHORUS	PHORUS
	(MG/L	SOLVED	SOLVED	(MG/L	DEG. C	DEG. C,	NITRITE	NO2+NO3	AMMONIA	ORGANIC	TOTAL	ORTHO
AS SO4)	(MG/L	(MG/L	(MG/L	AS	SOLVED	SUS-	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
(00945)	(00940)	(00950)	(00955)	SIO2)	(MG/L)	(MG/L)	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L	(MG/L
	AS CL)	AS F)					AS N)	AS N)	AS N)	AS N)	AS P)	AS P)
JAN												
30...	--	--	--	--	--	--	0.010	0.960	0.050	0.55	0.260	0.240
FEB												
28...	81	19	0.30	7.2	220	--	<0.010	0.540	0.030	0.42	0.320	0.340
MAR												
31...	110	20	0.40	8.0	276	--	<0.010	0.420	0.030	0.44	0.400	0.350
MAY												
28...	52	19	0.30	7.2	188	--	0.010	0.620	0.030	0.78	0.470	0.470
AUG												
08...	--	--	--	--	--	--	0.015	0.370	0.070	1.6	0.830	0.710
SEP												
28...	--	--	--	--	--	10	<0.010	0.680	0.090	1.1	0.540	0.510

[illegible]

(National water-quality assessment program station)

DRAINAGE AREA.--29.1 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	14	24	15	34	15	12	49	20	14	53	17
2	18	16	74	14	28	16	11	31	22	12	57	14
3	15	12	44	11	23	16	11	24	12	9.9	43	12
4	14	11	28	10	19	14	11	20	9.4	10	38	13
5	15	11	19	11	19	14	13	17	7.3	48	69	9.1
6	21	11	15	12	15	15	15	15	5.9	133	49	8.1
7	39	9.6	60	11	15	14	19	14	5.0	181	36	7.4
8	148	8.0	123	11	15	14	15	13	4.2	64	32	6.0
9	107	10	87	14	14	13	12	12	4.3	34	61	6.0
10	61	10	47	21	14	12	9.2	10	4.5	26	76	5.1
11	36	11	32	19	16	13	6.7	10	4.4	32	65	4.9
12	27	8.7	26	16	17	14	15	30	5.1	30	61	6.8
13	24	12	22	12	15	13	9.5	29	3.8	25	38	12
14	20	12	20	12	16	42	13	31	4.2	74	32	9.0
15	17	11	18	11	23	34	52	21	4.9	165	25	7.2
16	16	14	17	10	21	26	33	14	5.2	91	23	5.7
17	64	15	16	8.6	21	17	24	14	4.1	47	18	4.5
18	256	15	14	9.8	18	13	17	13	3.2	34	14	4.8
19	89	9.7	13	17	18	13	15	11	2.5	32	13	5.8
20	46	9.5	13	21	19	15	12	11	2.3	51	10	6.8
21	31	11	14	17	17	56	11	11	2.8	101	9.6	6.2
22	25	8.6	11	17	15	46	9.6	9.0	9.6	132	12	5.5
23	23	7.4	11	18	14	29	28	9.0	14	77	9.4	5.6
24	24	8.3	13	18	12	19	20	11	26	40	7.3	10
25	20	9.5	12	25	12	65	17	9.8	36	87	6.2	31
26	18	17	12	23	14	210	186	9.9	47	114	7.2	184
27	18	8.2	12	25	14	69	323	9.0	52	81	8.6	3130
28	15	6.4	14	19	13	34	250	11	39	72	11	2130
29	13	5.2	12	17	---	24	156	9.6	29	43	11	805
30	16	5.4	14	41	---	19	112	9.1	19	36	8.8	322
31	16	---	15	62	---	17	---	11	---	41	19	---
TOTAL	1264	317.5	852	548.4	491	931	1438.0	498.4	408.7	1936.9	923.1	6794.5
MEAN	40.8	10.6	27.5	17.7	17.5	30.0	47.9	16.1	13.6	62.5	29.8	226
MAX	256	17	123	62	34	210	323	49	52	181	76	3130
MIN	12	5.2	11	8.6	12	12	6.7	9.0	2.3	9.9	6.2	4.5
CFSM	1.40	1.36	.94	.61	.60	1.03	1.65	.55	.47	2.15	1.02	7.78
IN.	1.62	.41	1.09	.70	.63	1.19	1.84	.64	.52	2.48	1.18	8.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1997, BY WATER YEAR (WY)

	1987, 1988				1989, 1990				1991, 1992			
MEAN	31.7	17.5	18.0	33.6	37.8	51.0	28.9	23.9	43.7	48.6	71.0	93.3
MAX	102	61.4	69.6	133	177	191	108	86.8	215	187	188	298
(WY)	1996	1996	1984	1996	1983	1987	1958	1991	1982	1991	1995	1988
MIN	5.94	1.17	.56	2.51	1.86	16.3	7.13	1.88	3.18	10.8	9.28	8.52
(WY)	1979	1957	1957	1957	1957	1981	1978	1977	1979	1979	1993	1958

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1957 - 1997

	FOR FIVE YEAR PERIOD		FOR FIVE YEAR PERIOD		WATER YEARS 1997		1997	
ANNUAL TOTAL	12589.7		16403.5					
ANNUAL MEAN	34.4		44.9			41.5		
HIGHEST ANNUAL MEAN						66.7		1983
LOWEST ANNUAL MEAN						21.9		1980
HIGHEST DAILY MEAN	1410	Jan 2	3130	Sep 27		3130	Sep 27	1997
LOWEST DAILY MEAN	2.7	Jul 27	2.3	Jun 20		.00	Many	Days
ANNUAL SEVEN-DAY MINIMUM	4.2	Jul 22	3.6	Jun 15		.00	Jun 10	1958
INSTANTANEOUS PEAK FLOW			4100	Sep 27		5200	Sep 11	1960
INSTANTANEOUS PEAK STAGE			30.64	Sep 27		30.64	Sep 27	1997
ANNUAL RUNOFF (CFSM)	1.18		1.54			1.42		
ANNUAL RUNOFF (INCHES)	16.09		20.97			19.36		
10 PERCENT EXCEEDS	62		64			81		
50 PERCENT EXCEEDS	18		15			18		
90 PERCENT EXCEEDS	9.5		7.3			5.8		

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02300700 BULLFROG CREEK NEAR WIMAUMA, FL--Continued
(National water-quality assessment program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-58, 1966-75, 1977-83, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN 30...	1300	18.96	25	533	8.4	15.0	--	9.4	--
FEB 28...	1345	18.50	14	490	8.6	21.0	--	8.6	--
MAR 31...	1045	18.73	21	566	7.1	22.0	--	6.9	--
MAY 28...	1300	18.25	9.0	628	7.4	26.5	60	8.2	61
AUG 08...	1110	19.08	30	348	6.6	25.0	--	7.0	--
SEP 28...	1315	29.28	2130	--	--	--	--	--	--
29...	1430	27.02	805	--	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
JAN 30...	--	--	--	--	--	--	--	--
FEB 28...	--	--	--	--	--	--	--	--
MAR 31...	--	--	--	--	--	--	--	--
MAY 28...	27	16	7.4	190	31	0.40	11	448
AUG 08...	--	--	--	--	--	--	--	--
SEP 28...	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN 30...	--	0.010	0.410	0.080	0.74	0.300	0.230	--
FEB 28...	--	<0.010	0.150	0.030	0.51	0.280	0.280	--
MAR 31...	--	0.020	0.360	0.080	0.68	0.310	0.250	--
MAY 28...	--	<0.010	0.090	0.020	0.45	0.200	0.160	2000
AUG 08...	--	0.010	0.180	0.050	1.1	0.370	0.330	--
SEP 28...	10	0.014	0.770	0.110	0.99	0.560	0.540	--
29...	5	0.015	0.450	0.060	0.88	0.490	0.500	--

LOCATION.--Lat 27°53'01", long 82°06'01", in SW¹/₄ 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.

WATER-DISCHARGE RECORDS

Monthly discharge only from May 1950, published in WSP 1304.

May 8, 1974, to July 13, 1995, at site 300 ft downstream at same datum.

REMARKS.--Records good.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	44	30	45	89	40	25	99	17	26	119	29
2	71	43	64	46	79	33	24	79	16	24	108	45
3	72	41	60	46	72	39	23	64	16	30	113	50
4	93	37	45	48	68	39	23	70	16	41	196	47
5	84	36	50	43	72	34	22	59	16	193	141	61
6	91	40	41	42	69	35	22	50	15	174	116	49
7	121	49	50	38	80	29	22	39	15	130	139	36
8	264	53	181	37	66	26	24	34	14	78	347	39
9	459	40	204	38	71	26	22	32	14	75	352	33
10	335	41	111	70	68	25	22	27	15	125	215	31
11	187	39	85	67	65	24	21	26	15	92	139	40
12	134	39	73	52	56	24	24	26	27	89	159	41
13	113	40	67	45	52	29	24	38	34	75	119	45
14	99	37	86	43	52	38	26	37	73	43	108	49
15	86	38	80	43	59	33	40	35	49	33	100	44
16	82	42	60	47	70	31	36	34	34	43	109	42
17	82	34	56	49	83	30	31	35	23	58	108	37
18	98	31	50	45	77	29	28	35	19	55	73	34
19	110	30	47	44	73	28	26	33	20	37	60	32
20	87	32	55	46	71	32	25	22	21	54	53	30
21	79	39	46	42	74	40	24	22	19	118	48	40
22	80	37	43	43	70	36	23	22	18	98	55	64
23	68	29	42	52	63	33	23	22	17	114	54	57
24	61	29	40	56	53	32	28	22	17	110	46	39
25	63	28	41	50	48	31	26	22	17	117	45	34
26	55	32	42	59	46	30	61	19	23	108	39	65
27	69	40	46	61	44	29	189	18	37	87	31	1160
28	61	34	49	59	46	29	165	18	67	115	33	1880
29	52	34	45	67	---	31	155	19	35	89	30	1160
30	48	30	45	88	---	28	120	17	28	124	27	727
31	45	---	41	93	---	27	---	17	---	183	26	---
TOTAL	3426	1118	1975	1604	1836	970	1324	1092	747	2738	3308	6040
MEAN	111	37.3	63.7	51.7	65.6	31.3	44.1	35.2	24.9	88.3	107	201
MAX	459	53	204	93	89	40	189	99	73	193	352	1880
MIN	45	28	30	37	44	24	21	17	14	24	26	29
AC-FT	6800	2220	3920	3180	3640	1920	2630	2170	1480	5430	6560	11980
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)												
MEAN	148	99.4	98.3	120	136	162	96.6	84.8	125	197	263	281
MAX	481	299	320	347	413	884	413	467	458	664	669	1138
(WY)	1953	1954	1954	1964	1983	1959	1959	1979	1968	1960	1959	1960
MIN												

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

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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 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
JAN												
30...	1040	2.72	88	538	8.2	16.0	--	8.2	--	--	--	--
MAR												
05...	0840	2.00	34	619	7.8	20.0	--	7.8	--	--	--	--
APR												
07...	0950	1.72	22	785	8.2	22.0	--	7.1	--	--	--	--
MAY												
28...	1000	1.70	17	705	7.3	24.5	60	6.6	49	16	65	7.1
AUG												
08...	0835	5.48	325	292	5.8	24.0	--	5.6	--	--	--	--

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN												
30...	--	--	--	--	--	0.020	1.10	0.020	0.48	2.60	2.50	--
MAR												
05...	--	--	--	--	--	<0.010	1.00	0.020	0.56	3.30	3.30	--
APR												
07...	--	--	--	--	--	<0.010	0.800	0.020	0.55	1.00	0.950	--
MAY												
28...	170	49	1.5	11	452	<0.010	0.770	0.010	0.45	E3.20	3.30	280
AUG												
08...	--	--	--	--	--	0.040	0.570	0.540	1.6	3.10	2.80	--

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

ALAFIA RIVER BASIN

274906081594500 ACHAN POND CLAY SETTLING AREA OUTFALL NEAR BRADLEY JUNCTION, FL

LOCATION.--Lat 27°49'06", long 81°59'45", in NW¹/₄ sec.2, T.31 S., R.23 E., Polk County, Hydrologic Unit 03100204, on right bank of dyke, 0.25 mi west of State Highway 37, and 1.7 mi north of Bradley Junction.

DRAINAGE AREA.--0.60 mi², approximately.

PERIOD OF RECORD.--October 1995 to September 1997 (discontinued).

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

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.03	.00	.50	.03	.01	1.8	.03	.28	4.0	.00	.05
2	.01	.04	.00	2.8	.03	.38	2.1	.02	.26	3.4	.01	.05
3	.01	.04	.00	3.6	.17	1.3	2.0	.02	.20	2.8	.01	.05
4	.01	.03	.00	3.7	.37	1.4	1.7	.01	.14	2.2	.01	.04
5	.07	.02	.00	3.5	.44	1.2	1.3	.01	.09	1.8	.01	.03
6	.50	.01	.00	3.1	.40	.87	.95	.01	.06	2.0	.00	.03
7	1.1	.01	.00	2.8	.32	.59	.67	.00	.04	3.1	.00	.02
8	1.3	.02	.00	2.4	.24	.41	.46	.00	.05	3.3	.00	.02
9	1.2	.02	.00	1.9	.17	.26	.34	.00	.14	3.1	.00	.06
10	.91	.01	.00	1.5	.12	.17	.24	.00	.22	2.8	.10	.13
11	.92	.01	.00	1.1	.09	.21	.16	.00	.27	2.7	.62	.65
12	.94	.01	.00	1.1	.07	.34	.10	.00	.33	2.2	.94	1.2
13	.77	.00	.00	1.1	.05	.39	.07	.00	.66	2.0	1.1	1.2
14	.56	.00	.00	1.0	.04	.36	.05	.00	.89	2.1	1.0	1.1
15	.51	.00	.00	.89	.04	.28	.04	.00	.90	1.7	.77	.94
16	.39	.00	.00	.73	.04	.20	.04	.00	.80	1.3	.45	.77
17	.27	.00	.00	.58	.03	.15	.04	.00	.96	.94	.32	.68
18	.18	.00	.00	.45	.03	.11	.03	.00	1.4	.65	.23	.63
19	.13	.00	.00	.37	.02	.08	.02	.00	1.4	.46	.16	.59
20	.10	.00	.00	.29	.02	.06	.01	.00	1.2	.32	.11	.46
21	.07	.00	.00	.23	.02	.05	.01	.00	1.1	.22	.08	.36
22	.05	.00	.00	.17	.01	.04	.00	.00	.98	.15	.06	.38
23	.04	.00	.00	.10	.01	.03	.00	.00	.77	.10	.05	.33
24	.03	.00	.00	.06	.01	.02	.00	.00	.63	.07	.07	.24
25	.02	.00	.00	.06	.01	.02	.00	.00	.82	.05	.06	.18
26	.01	.00	.00	.04	.01	.01	.00	.00	1.3	.04	.04	.13
27	.01	.00	.00	.04	.01	.01	.00	.00	2.3	.03	.03	.10
28	.00	.00	.00	.04	.00	.06	.00	.00	5.4	.02	.02	.07
29	.00	.00	.00	.04	.00	.11	.00	.00	5.3	.01	.02	.06
30	.00	.00	.00	.04	---	.17	.01	.09	4.7	.01	.02	.04
31	.00	---	.00	.03	---	.43	---	.22	---	.00	.02	---
TOTAL	10.12	0.25	0.00	34.26	2.80	9.72	12.14	0.41	33.59	43.57	6.31	10.59
MEAN	.33	.008	.000	1.11	.097	.31	.40	.013	1.12	1.41	.20	.35
MAX	1.3	.04	.00	3.7	.44	1.4	2.1	.22	5.4	4.0	1.1	1.2
MIN	.00	.00	.00	.03	.00	.01	.00	.00	.04	.00	.00	.02
AC-FT	20	.5	.00	68	5.6	19	24	.8	67	86	13	21
CFSM	.54	.01	.00	1.84	.16	.52	.67	.02	1.87	2.34	.34	.59
IN.	.63	.02	.00	2.12	.17	.60	.75	.03	2.08	2.70	.39	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1996, BY WATER YEAR (WY)

	MEAN	.33	.008	.000	1.11	.097	.31	.40	.013	1.12	1.41	.20	.35
MAX	.33	.008	.000	1.11	.097	.31	.40	.013	1.12	1.41	.20	.35	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	.33	.008	.000	1.11	.097	.31	.40	.013	1.12	1.41	.20	.35	
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	163.76
ANNUAL MEAN	.45
HIGHEST ANNUAL MEAN	
LOWEST ANNUAL MEAN	
HIGHEST DAILY MEAN	5.4 Jun 28
LOWEST DAILY MEAN	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Nov 13
INSTANTANEOUS PEAK FLOW	5.5 Jun 28
INSTANTANEOUS PEAK STAGE	174.93 Jun 28
ANNUAL RUNOFF (AC-FT)	325
ANNUAL RUNOFF (CFSM)	.75
ANNUAL RUNOFF (INCHES)	10.15
10 PERCENT EXCEEDS	1.3
50 PERCENT EXCEEDS	.05
90 PERCENT EXCEEDS	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

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274906081594500 ACHAN POND CLAY SETTLING AREA OUTFALL NEAR BRADLEY JUNCTION, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.00	.00	.01	.06	.26	.01	.69	.00	.00	1.1	.06
2	.04	.00	.00	.00	.08	.22	.01	.56	.00	.00	.97	.07
3	.03	.00	.00	.00	.09	.18	.00	.43	.00	.00	1.2	.06
4	.03	.00	.00	.00	.09	.15	.00	.32	.00	.13	1.4	.06
5	.04	.00	.00	.00	.10	.12	.00	.24	.00	1.4	1.3	.06
6	.12	.00	.00	.00	.24	.10	.00	.18	.00	2.1	1.1	.05
7	.23	.00	.02	.00	.44	.09	.00	.13	.00	2.1	1.0	.04
8	.78	.00	.15	.00	.54	.07	.00	.10	.00	1.8	.93	.04
9	1.2	.00	.25	.00	.51	.06	.00	.08	.00	1.5	.81	.03
10	1.3	.00	.26	.00	.47	.05	.00	.06	.00	1.3	.77	.03
11	1.1	.00	.25	.00	.42	.04	.00	.05	.00	1.1	.71	.05
12	.86	.00	.21	.00	.37	.03	.00	.05	.03	.99	.68	.05
13	.66	.00	.18	.00	.33	.03	.00	.07	.03	.87	.62	.04
14	.48	.00	.15	.00	.29	.06	.00	.06	.03	1.3	.61	.04
15	.36	.00	.12	.00	.28	.07	.00	.05	.03	1.3	.54	.03
16	.28	.00	.10	.00	.46	.06	.00	.04	.02	1.3	.47	.03
17	.22	.00	.08	.00	1.0	.05	.00	.04	.02	1.2	.40	.02
18	.18	.00	.07	.00	1.1	.04	.00	.03	.01	1.0	.34	.02
19	.13	.00	.05	.00	1.1	.03	.00	.03	.01	.96	.29	.02
20	.10	.00	.05	.00	1.1	.03	.00	.02	.01	.95	.25	.02
21	.08	.00	.04	.00	1.0	.06	.00	.02	.00	.88	.22	.01
22	.06	.00	.04	.00	.88	.08	.00	.01	.00	.75	.20	.01
23	.05	.00	.03	.00	.75	.07	.00	.01	.00	.84	.17	.01
24	.04	.00	.02	.00	.63	.06	.00	.01	.00	.95	.15	.02
25	.03	.00	.02	.00	.52	.05	.00	.01	.00	.88	.13	.02
26	.03	.00	.02	.00	.44	.04	.01	.01	.00	.78	.11	.02
27	.02	.00	.01	.00	.36	.03	.08	.00	.00	.73	.10	.09
28	.02	.00	.01	.00	.31	.03	.24	.00	.00	.84	.08	.44
29	.01	.00	.01	.00	---	.02	.63	.00	.00	.90	.07	.64
30	.01	.00	.01	.02	---	.01	.75	.00	.00	1.1	.06	.69
31	.01	---	.01	.04	---	.01	---	.00	---	1.2	.06	---
TOTAL	8.54	0.00	2.16	0.07	13.96	2.20	1.73	3.30	0.19	31.15	16.84	2.77
MEAN	.28	.000	.070	.002	.50	.071	.058	.11	.006	1.00	.54	.092
MAX	1.3	.00	.26	.04	1.1	.26	.75	.69	.03	2.1	1.4	.69
MIN	.01	.00	.00	.00	.06	.01	.00	.00	.00	.00	.06	.01
AC-FT	17	.00	4.3	.1	.28	4.4	3.4	6.5	.4	62	33	5.5
CFSM	.46	.00	.12	.00	.83	.12	.10	.18	.01	1.67	.91	.15
IN.	.53	.00	.13	.00	.87	.14	.11	.20	.01	1.93	1.04	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1997, BY WATER YEAR (WY)

	1996	1996	1997	1996	1997	1996	1996	1997	1996	1996	1997	1996
MEAN	.30	.004	.035	.55	.29	.19	.23	.060	.56	1.21	.37	.22
MAX	.33	.008	.070	1.11	.50	.31	.40	.11	1.12	1.41	.54	.35
(WY)	1996	1996	1997	1996	1997	1996	1996	1997	1996	1996	1997	1996
MIN	.28	.000	.000	.002	.097	.071	.058	.013	.006	1.00	.20	.092
(WY)	1997	1997	1996	1997	1996	1997	1997	1996	1997	1997	1996	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1996 - 1997
ANNUAL TOTAL	164.09	82.91	
ANNUAL MEAN	.45	.23	.34
HIGHEST ANNUAL MEAN			.45 1996
LOWEST ANNUAL MEAN			.23 1997
HIGHEST DAILY MEAN	5.4 Jun 28	2.1 Jul 6	5.4 Jun 28 1996
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Apr 22	.00 Nov 1	.00 Nov 13 1995
INSTANTANEOUS PEAK FLOW		2.2 Jul 6	5.5 Jun 28 1996
INSTANTANEOUS PEAK STAGE		174.74 Jul 6	174.93 Jun 28 1996
ANNUAL RUNOFF (AC-FT)	325	164	244
ANNUAL RUNOFF (CFSM)	.75	.38	.56
ANNUAL RUNOFF (INCHES)	10.17	5.14	7.64
10 PERCENT EXCEEDS	1.3	.88	1.1
50 PERCENT EXCEEDS	.06	.04	.04
90 PERCENT EXCEEDS	.00	.00	.00

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN**

02301300 SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL

LOCATION.--Lat 27°47'47", long 82°07'04", in SW¹/₄ sec.9, T.31 S., R.22 E., Hillsborough County, Hydrologic Unit 03100204, at 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 mi².

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.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	23	15	24	28	17	7.4	56	27	23	e220	e68
2	35	23	47	25	25	14	6.2	40	17	20	e170	e76
3	31	25	48	24	23	11	5.4	31	11	17	e250	e60
4	28	26	38	23	21	12	4.6	27	7.4	16	e330	e66
5	28	29	33	22	20	14	4.1	25	5.6	42	e240	e110
6	41	33	31	21	19	12	3.8	22	4.5	70	e200	e100
7	59	36	41	20	18	11	3.5	19	4.0	94	e170	e88
8	108	40	110	19	18	8.8	3.5	16	3.6	96	e250	e74
9	115	42	91	19	20	10	4.4	12	3.5	81	e400	e80
10	105	38	73	29	20	10	4.6	10	4.2	71	e500	e70
11	95	31	60	28	21	e9.1	4.0	8.5	5.2	58	e430	e60
12	85	24	56	25	21	e7.0	3.8	9.2	18	65	e330	e66
13	75	20	52	23	21	6.0	4.8	17	16	65	e250	e76
14	67	18	47	23	21	5.6	4.6	15	23	73	e200	e86
15	58	17	46	22	27	9.1	7.0	11	20	115	e220	e105
16	47	15	46	22	46	9.8	11	9.6	15	143	e180	e90
17	40	14	44	20	58	8.2	10	9.1	12	136	e150	e70
18	36	13	38	19	45	7.1	7.9	8.6	11	131	e180	e56
19	32	12	34	18	36	6.4	5.9	7.6	8.5	122	e150	e48
20	29	13	32	18	32	5.9	4.8	6.7	6.7	118	e120	e74
21	28	17	31	18	29	11	4.3	5.7	5.7	112	e100	e90
22	27	17	31	17	26	25	3.8	4.9	4.9	112	e86	e100
23	26	16	30	16	25	25	3.4	5.1	4.3	100	e68	e80
24	26	14	29	15	24	22	e3.5	23	4.1	104	e90	e54
25	26	12	28	15	22	20	e5.0	24	5.0	138	e84	e50
26	26	11	27	22	21	14	e4.0	13	6.9	163	e74	e130
27	28	15	26	22	19	12	e4.0	9.1	15	e172	e50	e250
28	30	17	25	20	18	9.9	e10	7.2	29	e140	e60	e700
29	32	16	24	25	---	8.5	e25	8.9	32	e130	e58	e500
30	30	15	23	49	---	7.4	e78	6.1	28	e230	e50	e270
31	26	---	23	33	---	6.7	---	6.3	---	e320	e56	---
TOTAL	1459	642	1279	696	724	355.5	252.3	473.6	358.1	3277	5716	3747
MEAN	47.1	21.4	41.3	22.5	25.9	11.5	8.41	15.3	11.9	106	184	125
MAX	115	42	110	49	58	25	78	56	32	320	500	700
MIN	26	11	15	15	18	5.6	3.4	4.9	3.5	16	50	48
AC-FT	2890	1270	2540	1380	1440	705	500	939	710	6500	11340	7430

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	108	60.6	53.6	77.2	83.5	81.8	65.0	45.7	86.7	138	196	191																						
MAX	362	205	166	217	291	313	395	175	455	768	673	518																						
(WY)	1995	1996	1970	1973	1972	1970	1973	1979	1968	1968	1967	1988																						
MIN	28.0	14.8	13.4	16.2	16.7	11.5	8.41	4.19	10.4	25.7	40.2	23.0																						
(WY)	1987	1993	1993	1992	1991	1997	1997	1981	1977	1985	1990	1990																						

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1964 - 1997
ANNUAL TOTAL	29571	18979.5	
ANNUAL MEAN	80.8	52.0	99.0
HIGHEST ANNUAL MEAN			190
LOWEST ANNUAL MEAN			31.0
HIGHEST DAILY MEAN	511	Jan 3	e700 Sep 28
LOWEST DAILY MEAN	11	Nov 26	3.4 Apr 23
ANNUAL SEVEN-DAY MINIMUM	14	Nov 20	3.9 Apr 6
INSTANTANEOUS PEAK FLOW			e700 Sep 28
INSTANTANEOUS PEAK STAGE			a16.23 Sep 28
ANNUAL RUNOFF (AC-FT)	58650	37650	71750
10 PERCENT EXCEEDS	169	119	212
50 PERCENT EXCEEDS	58	25	57
90 PERCENT EXCEEDS	24	5.8	17

a From high water mark

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

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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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1110	11.02	48	302	8.2	15.0	7.4
MAR 05...	0910	10.11	14	379	7.9	20.0	7.7
APR 07...	1030	9.62	3.5	389	7.8	22.0	8.2
MAY 28...	1045	9.80	6.4	317	7.1	25.5	7.6
AUG 08...	0915	14.05	E250	240	6.5	24.5	4.4

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
JAN 30...	<0.010	0.480	0.010	0.73	0.700	0.610
MAR 05...	0.010	0.530	0.030	0.78	0.840	0.770
APR 07...	<0.010	0.640	0.010	0.59	3.10	3.40
MAY 28...	<0.010	0.710	0.030	0.76	0.820	0.820
AUG 08...	0.011	0.110	0.040	1.1	1.20	1.10

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

02301500 ALAFIA RIVER AT LITHIA, FL

LOCATION.--Lat 27°52'19", long 82°12'41", in NE $\frac{1}{4}$ 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.

WATER-DISCHARGE RECORDS

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 fair. Maximum discharge from rating curve extended above 21,000 ft³/s. Maximum gage height from floodmarks.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	64	50	77	113	e54	e34	184	e24	52	e470	59
2	118	62	88	82	99	e60	e33	151	e26	45	e400	64
3	107	62	134	82	88	e63	e32	104	e25	44	e390	77
4	123	58	98	82	80	e54	e30	97	e23	50	e480	72
5	118	58	86	80	77	e48	e29	87	e22	195	e450	76
6	141	61	79	78	76	e45	e28	78	e21	247	375	80
7	189	74	99	74	79	e53	e27	60	e20	231	415	56
8	392	87	358	71	75	e50	e30	51	e19	197	550	54
9	592	81	375	71	74	e47	e34	45	e22	148	657	49
10	560	76	261	92	e76	e44	e27	39	e25	194	757	45
11	361	71	174	115	e74	e45	e25	37	30	179	e640	54
12	269	62	146	95	72	e41	e24	37	41	142	e490	65
13	221	59	132	82	67	e43	e29	47	53	154	e430	59
14	190	56	134	76	65	e45	e33	57	99	113	e340	64
15	162	56	141	75	70	53	44	48	94	123	e310	57
16	139	56	118	75	90	50	56	43	60	159	265	53
17	129	56	111	77	140	45	48	43	42	184	277	53
18	137	53	101	72	126	44	43	42	36	171	217	49
19	160	52	91	71	108	43	41	42	e33	155	185	48
20	126	52	91	72	97	43	39	37	e30	151	163	45
21	106	52	88	68	95	47	38	34	e28	197	147	45
22	101	54	81	67	91	70	37	34	e27	211	144	58
23	96	51	79	67	85	68	37	37	e26	200	140	67
24	84	50	77	70	78	60	37	40	e25	205	118	52
25	84	49	77	67	70	56	42	48	e25	216	105	57
26	78	49	77	69	e64	50	63	40	e27	243	99	173
27	80	52	79	78	e56	47	e228	e30	38	239	78	2190
28	93	53	81	74	e50	e40	e400	e22	80	e315	70	3370
29	81	52	81	74	---	e38	e270	e24	74	268	65	3430
30	77	51	77	138	---	e37	240	e22	58	311	58	2610
31	70	---	76	135	---	e35	---	e21	---	439	53	---
TOTAL	5314	1769	3740	2506	2335	1518	2078	1681	1153	5778	9338	13231
MEAN	171	59.0	121	80.8	83.4	49.0	69.3	54.2	38.4	186	301	441
MAX	592	87	375	138	140	70	400	184	99	439	757	3430
MIN	70	49	50	67	50	35	24	21	19	44	53	45
AC-FT	10540	3510	7420	4970	4630	3010	4120	3330	2290	11460	18520	26240
CFSM	.51	.18	.36	.24	.25	.15	.21	.16	.11	.56	.90	1.32
IN.	.59	.20	.42	.28	.26	.17	.23	.19	.13	.64	1.04	1.44

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 1997, BY WATER YEAR (WY)

STATISTICS OF MONTHLY MEAN DATA FOR WATERS YEARS 1933 - 1937, BY WATERS YEAR (%)												
MEAN	347	181	174	234	262	296	199	132	299	529	638	740
MAX	1374	718	766	1009	1219	1874	900	748	1029	2696	2319	4185
(WY)	1939	1954	1954	1948	1936	1959	1959	1957	1934	1945	1949	1933
MIN	50.9	28.0	42.5	52.4	52.2	35.4	25.0	13.0	27.0	80.6	138	74.5
(WY)	1941	1941	1991	1991	1943	1935	1945	1945	1951	1956	1989	1990

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1933 - 1997
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	1994		1995		1996		1997	
ANNUAL TOTAL	99497		50441					
ANNUAL MEAN	272		138			336		
HIGHEST ANNUAL MEAN						845		1960
LOWEST ANNUAL MEAN						136		1956
HIGHEST DAILY MEAN	2730	Jan 4	3430	Sep 29		40800	Sep 7	1933
LOWEST DAILY MEAN	49	Nov 25	e19	Jun 8		6.6	Jun 6	1945
ANNUAL SEVEN-DAY MINIMUM	51	Nov 23	22	Jun 3		7.0	May 31	1945
INSTANTANEOUS PEAK FLOW			3550	Sep 28		45900	Sep 7	1933
INSTANTANEOUS PEAK STAGE			16.09	Sep 28		28.50	Sep 7	1933
ANNUAL RUNOFF (AC-FT)	197400		100000			243700		
ANNUAL RUNOFF (CFSM)	.81		.41			1.00		
ANNUAL RUNOFF (INCHES)	11.05		5.60			13.64		
10 PERCENT EXCEEDS	557		245			721		
50 PERCENT EXCEEDS	182		72			175		
90 PERCENT EXCEEDS	75		34			58		

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

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02301500 ALAFIA RIVER AT LITHIA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)
MAR												
05...	0800	2.74	E48	552	7.3	19.5	--	7.9	--	--	--	--
APR												
07...	0910	2.47	E27	707	8.0	20.5	--	7.0	--	--	--	--
MAY												
28...	0900	2.44	E22	506	7.6	25.0	60	6.0	36	14	37	5.7

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SiO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)
MAR											
05...	--	--	--	--	--	--	--	--	--	--	--
APR											
07...	--	--	--	--	--	--	--	--	--	--	--
MAY											
28...	92	40	1.2	4.4	318	<0.010	0.490	0.020	0.61	E2.10	2.00

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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)
MAR											
05...	30	2	<1	<1	<1	50	<1	<0.10	2	--	3
APR											
07...	20	2	<1	<1	<1	40	<1	<0.10	3	--	4
MAY											
28...	50	2	<1	<1	1	70	<1	<0.10	2	160	4

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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.

WATER-DISCHARGE RECORDS

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 ft³/s, Oct. 3, 1967; minimum measured, 6.2 ft³/s, Feb. 8, 1989.

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Time	Major Spring Instantaneous Discharge (cfs)	Time	Minor Spring Instantaneous Discharge (cfs)	Total Flow Measured (cfs)	Diversion by pumping (cfs)
Nov. 21	0920	31.9	1045	8.4	40.3	7.0
Jan. 08	0930	31.0	1055	7.9	38.9	7.0
Mar. 12	0825	20.0	1000	7.5	27.5	6.8
May 02	1130	23.8	1308	5.8	29.6	7.3
June 25	0800	23.2	0925	7.7	30.9	6.4
Aug. 15	0900	33.8	1035	6.7	40.5	5.9
Sept. 10	0925	32.4	0930	8.4	40.8	6.0

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

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02301600 LITHIA SPRINGS NEAR LITHIA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1923, 1946, 1956-58, 1960, 1965, 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
SEP 10...	1045	8.56	41	495	8.7	25.0	5	3.8	65	11	14	0.80
DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
SEP 10...	79	28	0.20	15	304	<0.010	2.30	0.030	<0.20	0.030	0.040	1200

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
ALAFIA RIVER BASIN

02301721 ALAFIA RIVER AT GIBSONTON, FL

LOCATION.--Lat 27°51'34", long 82°23'04", in NW¹/₄ sec.23, T.30 S., R.19 E., Hillsborough County, Hydrologic Unit 03100206, 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 mi².

PERIOD OF RECORD.--January to September 1997.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage records water levels and tidal fluctuations in Alafia River. The discharge record published is the mean for each calendar day.

DISCHARGE, IN CUBIC FEET PER SECOND, PERIOD JANUARY TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	-82	-174	-583	-87	-264	-103	308	156	-36
2	---	---	---	-136	-385	-434	-468	-351	2.2	446	196	23
3	---	---	---	-200	-417	-93	-557	-61	-72	1210	172	-146
4	---	---	---	-199	-253	-126	-864	242	-38	112	336	97
5	---	---	---	-44	183	-361	-987	-274	47	320	246	-344
6	---	---	---	48	55	260	67	182	5.2	184	206	-351
7	---	---	---	119	22	-159	149	112	-220	178	105	-444
8	---	---	---	43	384	-164	147	-.07	-577	73	-89	-280
9	---	---	---	219	217	86	-206	-16	-586	3.6	42	-255
10	---	---	---	347	-154	-124	-237	-144	-625	-101	49	-278
11	---	---	---	498	-174	130	335	-529	-427	-228	-151	-276
12	---	---	---	211	-233	-157	770	-593	-255	-277	-117	-105
13	---	---	---	-84	-470	-768	-84	224	-77	-477	-108	152
14	---	---	---	-247	-264	-234	-339	-122	-171	-233	120	107
15	---	---	---	-663	71	-273	-436	-274	-163	12	174	542
16	---	---	---	285	---	-228	-542	-358	-214	104	248	198
17	---	---	---	-70	---	-720	-188	-250	-133	126	198	233
18	---	---	---	215	---	-568	178	-193	-131	180	324	102
19	---	---	---	-466	---	5.7	-41	-134	-56	349	221	29
20	---	---	---	229	---	-192	87	148	-54	141	164	-14
21	---	---	---	54	---	46	80	-55	-591	169	145	107
22	---	---	---	19	449	337	322	98	-169	214	28	858
23	---	---	---	177	230	42	352	-22	-186	136	14	1890
24	---	---	---	176	-280	-59	288	-296	-353	-23	-284	320
25	---	---	---	258	-284	-46	-333	-107	-362	115	-328	233
26	---	---	---	78	-185	266	-252	-6.3	-215	-208	-399	545
27	---	---	---	-37	-144	72	-676	-70	-119	-304	-180	3700
28	---	---	---	104	-537	-18	-49	-159	-452	-291	-32	4190
29	---	---	---	-261	---	-8.8	319	-673	-300	17	-84	4400
30	---	---	---	63	---	125	-237	-455	-40	72	-73	2380
31	---	---	---	-97	---	834	---	-255	---	284	-189	---
TOTAL	---	---	---	557	---	-3112.1	-3489	-4655.37	-6634.6	2611.6	1110	17577
MEAN	---	---	---	18.0	---	-100	-116	-150	-221	84.2	35.8	586
MAX	---	---	---	498	---	834	770	242	47	1210	336	4400
MIN	---	---	---	-663	---	-768	-987	-673	-625	-477	-399	-444

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02301750 DELANEY CREEK NEAR TAMPA, FL

LOCATION.--Lat 27°55'32", long 82°21'52", in SW¹/₄ 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 mi².

PERIOD OF RECORD.--October 1984 to current year.

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

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	.70	.50	.32	.10	.04	.50	5.4	.23	21	6.3	8.0
2	2.3	.63	1.0	.27	.10	.05	.33	3.8	.25	19	e5.8	8.3
3	2.5	.54	1.2	.11	.10	.07	.24	2.6	.24	16	5.5	8.4
4	2.6	.53	.86	e.28	.09	.02	.18	1.8	.24	14	5.1	8.6
5	1.8	.47	.69	.22	.08	.01	.12	1.3	.20	16	5.1	8.8
6	2.6	.41	.56	.20	.09	.00	.08	1.0	.14	20	5.0	8.7
7	14	.35	1.4	.18	.10	.00	.07	.77	e.20	20	4.5	8.0
8	54	.33	4.5	.15	.06	.00	.06	.62	.28	17	8.5	7.5
9	32	.31	3.1	.23	.04	.00	.03	.49	.17	14	9.8	7.4
10	6.8	.31	2.3	.26	.08	.00	.01	.41	.03	20	37	7.4
11	4.0	.30	1.5	.28	.07	.01	.00	.34	.04	55	47	7.4
12	8.5	.27	1.2	.26	.05	.00	.13	.59	.66	33	30	8.6
13	5.9	.24	1.1	.23	.05	.00	.02	.90	1.5	21	22	12
14	4.4	.21	.86	.21	.08	.42	.21	.92	1.0	18	12	12
15	1.1	.19	.77	.20	.06	.60	1.4	.80	.60	17	8.8	10
16	2.7	.16	.71	.20	.19	.31	1.5	.60	.42	21	9.9	9.7
17	2.1	.13	.59	.16	.21	.20	.89	.47	.25	16	9.0	9.7
18	2.2	.12	.52	.14	.20	.31	.52	.42	.14	21	10	12
19	2.1	.13	.46	.15	.21	.26	.32	.40	.07	18	9.2	14
20	1.7	.12	.41	.13	.17	.13	.20	.33	.03	17	7.2	14
21	1.4	.11	.37	.12	.14	.43	.11	.26	.26	15	6.8	14
22	1.2	.10	.37	.11	.12	.61	.08	.21	.21	13	7.2	14
23	1.0	.09	.40	.10	.10	.52	.50	.69	1.2	11	7.9	15
24	.96	.12	.39	.09	.08	.37	.57	.67	2.6	11	7.4	30
25	.94	.15	.38	.14	.07	.94	.43	.66	2.1	12	6.3	29
26	.97	1.1	.36	.11	.06	5.5	6.5	.45	6.8	10	5.8	150
27	.81	1.2	.35	.14	.06	2.7	8.1	.30	23	9.3	6.4	588
28	.85	.63	.35	.14	.05	1.7	8.1	.52	37	8.3	7.4	442
29	.73	.47	.38	.23	---	1.6	9.6	.46	60	7.6	7.2	224
30	.77	.38	.39	.15	---	1.1	e7.0	.33	e25	7.3	7.1	151
31	.74	---	.36	.12	---	.89	---	.22	---	7.3	7.2	---
TOTAL	165.67	10.80	28.33	5.63	2.81	18.79	47.80	28.73	164.86	525.8	334.4	1847.5
MEAN	5.34	.36	.91	.18	.10	.61	1.59	.93	5.50	17.0	10.8	61.6
MAX	54	1.2	4.5	.32	.21	5.5	9.6	5.4	60	55	47	588
MIN	.73	.09	.35	.09	.04	.00	.00	.21	.03	7.3	4.5	7.4
CFSM	.33	.02	.06	.01	.01	.04	.10	.06	.34	1.05	.67	3.83
IN.	.38	.02	.07	.01	.01	.04	.11	.07	.38	1.21	.77	4.27

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	6.85	2.56	1.70	4.42	3.88	7.14	3.94	2.89	8.57	13.9	16.5	22.8	
MAX	21.1	6.70	5.58	11.7	9.80	38.9	15.6	11.9	31.9	35.0	39.0	83.0	
(WY)	1995	1989	1990	1996	1992	1987	1987	1991	1992	1991	1995	1988	
MIN	1.50	.36	.39	.18	.10	.35	.075	.043	.11	1.49	1.11	1.72	
(WY)	1992	1997	1991	1997	1997	1985	1985	1995	1988	1993	1996	1987	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1985 - 1997
ANNUAL TOTAL	1662.07	3181.12	
ANNUAL MEAN	4.54	8.72	7.94
HIGHEST ANNUAL MEAN			11.4
LOWEST ANNUAL MEAN			4.09
HIGHEST DAILY MEAN	114	Jan 2	588
LOWEST DAILY MEAN	.00	Many Days	.00
ANNUAL SEVEN-DAY MINIMUM	.01	Jul 28	.00
INSTANTANEOUS PEAK FLOW			633
INSTANTANEOUS PEAK STAGE			9.99
ANNUAL RUNOFF (CFSM)	.28	.54	.49
ANNUAL RUNOFF (INCHES)	3.84	7.35	6.70
10 PERCENT EXCEEDS	9.2	15	19
50 PERCENT EXCEEDS	2.7	.61	2.4
90 PERCENT EXCEEDS	.29	.08	.20

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°11'07", long 82°11'03", in NW¹/₄ 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 mi², 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.

GAGE.--Nonrecording gage. 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	13	14	15	13	8.0	10	9.4	14	74	34
2	16	15	13	14	15	13	8.0	7.9	e7.4	14	81	39
3	16	16	13	14	15	13	8.0	7.9	e7.4	15	111	41
4	16	15	13	15	13	13	8.0	8.1	e7.9	17	120	52
5	16	15	13	16	13	13	8.0	8.1	e7.4	17	129	41
6	16	13	13	16	15	14	e7.0	8.3	e6.9	17	e149	39
7	16	13	13	15	16	14	e7.0	8.3	e7.6	15	e159	32
8	46	13	18	15	15	12	e6.0	8.3	e8.1	14	e170	30
9	46	13	18	15	15	14	e7.0	8.6	e11	14	e182	30
10	43	15	16	15	14	14	e5.0	8.6	e14	15	194	30
11	40	15	16	15	14	14	e6.0	8.8	e22	15	194	41
12	38	15	16	15	14	12	e8.0	8.8	e36	17	233	68
13	35	15	15	15	14	12	8.0	9.1	e27	28	247	28
14	33	13	15	15	14	12	7.0	9.1	e23	30	262	e22
15	31	12	13	14	14	12	7.0	9.1	e20	30	293	e18
16	29	12	13	14	14	12	7.0	9.4	e15	32	293	e17
17	27	13	13	12	15	12	7.0	9.4	e13	36	327	e14
18	27	13	13	12	14	12	7.0	9.6	e11	39	310	e11
19	25	13	13	14	14	12	7.0	9.6	e9.4	41	293	e6.9
20	23	13	13	14	14	9.0	7.0	9.6	e10	41	278	e5.8
21	21	13	13	14	14	9.0	7.0	9.9	e8.1	39	233	e5.8
22	19	13	14	14	14	9.0	7.0	9.9	9.4	39	182	e4.8
23	19	13	14	14	14	8.0	8.0	10	9.4	36	139	e5.8
24	18	13	14	14	15	9.0	8.0	10	9.4	36	39	e8.1
25	18	15	14	14	13	9.0	8.0	10	9.4	36	39	e11
26	18	15	14	14	13	9.0	11	9.1	11	36	36	18
27	16	13	14	14	13	9.0	13	9.1	9.4	39	36	310
28	16	12	14	14	13	9.0	12	9.1	9.4	44	34	310
29	13	13	14	15	---	8.0	12	9.4	17	47	34	233
30	13	13	14	15	---	8.0	12	9.4	15	62	34	e219
31	13	---	14	15	---	8.0	---	9.4	---	68	30	---
TOTAL	739	410	436	446	396	347.0	241.0	281.9	381.0	943	4935	1725.2
MEAN	23.8	13.7	14.1	14.4	14.1	11.2	8.03	9.09	12.7	30.4	159	57.5
MAX	46	16	18	16	16	14	13	10	36	68	327	310
MIN	13	12	13	12	13	8.0	5.0	7.9	6.9	14	30	4.8
AC-FT	1470	813	865	885	785	688	478	559	756	1870	9790	3420
CFSM	.29	.17	.17	.18	.17	.14	.10	.11	.15	.37	1.94	.70
IN.	.34	.19	.20	.20	.18	.16	.11	.13	.17	.43	2.24	.78

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	67.2	33.3	34.0	42.6	30.4	50.1	64.2	18.0	21.0	57.1	108	163		
MAX	291	171	196	122	72.1	155	452	59.2	37.2	327	371	533		
(WY)	1996	1989	1989	1986	1984	1988	1987	1987	1986	1991	1995	1985		
MIN	15.3	12.2	11.2	11.7	9.75	8.75	8.03	8.09	11.8	12.6	9.46	16.8		
(WY)	1992	1991	1991	1991	1991	1991	1997	1994	1993	1993	1993	1996		

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1984 - 1997
ANNUAL TOTAL	16519	11281.1	
ANNUAL MEAN	45.1	30.9	57.5
HIGHEST ANNUAL MEAN			117
LOWEST ANNUAL MEAN			18.0
HIGHEST DAILY MEAN	375	327	1970
LOWEST DAILY MEAN	12	e4.8	3.4
ANNUAL SEVEN-DAY MINIMUM	13	6.6	5.0
INSTANTANEOUS PEAK FLOW		310	2050
INSTANTANEOUS PEAK STAGE		53.90	56.44
ANNUAL RUNOFF (AC-FT)	32770	22380	41650
ANNUAL RUNOFF (CFSM)	.55	.38	.70
ANNUAL RUNOFF (INCHES)	7.49	5.12	9.53
10 PERCENT EXCEEDS	99	42	125
50 PERCENT EXCEEDS	27	14	22
90 PERCENT EXCEEDS	14	8.0	11

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02301990 HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS, NEAR ZEPHYRHILLS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.05	52.00	51.95	51.95	51.90	51.80	51.65	51.80	51.65	51.80	52.85	52.35
2	52.05	52.00	51.95	51.95	51.90	51.80	51.65	51.70	---	51.80	52.90	52.45
3	52.05	52.05	51.95	51.95	51.90	51.80	51.65	51.70	---	51.85	53.10	52.50
4	52.05	52.00	51.95	51.95	51.85	51.80	51.65	51.70	---	51.90	53.15	52.65
5	52.05	52.00	51.95	52.00	51.85	51.80	51.65	51.70	---	51.90	53.20	52.50
6	52.55	51.95	51.95	52.00	51.90	51.80	---	51.70	---	51.90	---	52.45
7	52.06	51.95	51.95	51.95	51.95	51.80	---	51.70	---	51.85	---	52.30
8	52.75	51.95	52.10	51.95	51.90	51.75	---	51.70	---	51.80	---	52.25
9	52.75	51.95	52.10	51.95	51.90	51.80	---	51.70	---	51.80	---	52.25
10	52.70	52.00	52.05	51.95	51.85	51.80	---	51.70	---	51.85	53.50	52.25
11	52.65	52.00	52.05	51.95	51.85	51.80	---	51.70	---	51.85	53.50	52.50
12	52.60	52.00	52.05	51.95	51.85	51.75	---	51.70	---	51.90	53.65	52.80
13	52.55	52.00	52.00	51.95	51.85	51.75	51.65	51.70	---	52.20	53.70	52.20
14	52.50	51.95	52.00	51.95	51.85	51.70	51.65	51.70	---	52.25	53.75	---
15	52.45	51.90	51.95	51.90	51.85	51.70	51.65	51.70	---	52.25	53.85	---
16	52.40	51.90	51.95	51.90	51.85	51.70	51.65	51.70	---	52.30	53.85	---
17	52.35	51.95	51.95	51.85	51.90	51.70	51.65	51.70	---	52.40	53.95	---
18	52.35	51.95	51.95	51.85	51.85	51.70	51.65	51.70	---	52.45	53.90	---
19	52.30	51.95	51.95	51.90	51.85	51.70	51.65	51.70	---	52.50	53.85	---
20	52.25	51.95	51.95	51.90	51.85	51.65	51.65	51.70	---	52.50	53.80	---
21	52.20	51.95	51.95	51.90	51.85	51.65	51.65	51.70	---	52.45	53.65	---
22	52.15	51.95	51.95	51.90	51.85	51.65	51.65	51.70	51.65	52.45	53.45	---
23	52.15	51.95	51.95	51.90	51.85	51.60	51.70	51.70	51.65	52.40	53.25	---
24	52.10	51.95	51.95	51.90	51.85	51.65	51.70	51.70	51.65	52.40	52.45	---
25	52.10	52.00	51.95	51.90	51.80	51.65	51.70	51.70	51.65	52.40	52.45	---
26	52.10	52.00	51.95	51.90	51.80	51.65	51.80	51.65	51.65	52.40	52.40	51.95
27	52.05	51.95	51.95	51.90	51.80	51.65	51.90	51.65	51.65	52.45	52.40	53.90
28	52.05	51.90	51.95	51.90	51.80	51.65	51.85	51.65	51.65	52.55	52.35	53.90
29	51.95	51.95	51.95	51.90	---	51.65	51.85	51.65	51.90	52.60	52.35	53.65
30	51.95	51.95	51.95	51.90	---	51.65	51.85	51.65	51.85	52.75	52.35	---
31	51.95	---	51.95	51.90	---	51.65	---	51.65	---	52.80	52.25	---
MEAN	52.26	51.97	51.97	51.92	51.86	51.72	---	51.69	---	52.22	---	---
MAX	52.75	52.05	52.10	52.00	51.95	51.80	---	51.80	---	52.80	---	---
MIN	51.95	51.90	51.95	51.85	51.80	51.60	---	51.65	---	51.80	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 1996 TO SEPTEMBER 1997

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)
FEB							
04...	0955	51.85	13	392	7.8	16.0	6.2
MAR							
03...	1210	51.80	13	385	7.8	21.0	4.6
APR							
03...	1110	51.65	8.1	383	8.2	21.0	4.8
MAY							
29...	1145	51.65	9.4	378	7.8	23.5	4.3
AUG							
04...	1430	53.15	120	216	8.1	24.5	4.0

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
FEB						
04...	<0.010	1.20	0.010	<0.20	0.030	0.030
MAR						
03...	<0.010	1.30	0.020	<0.20	0.070	0.040
APR						
03...	--	1.40	0.020	--	0.060	0.050
MAY						
29...	<0.010	1.30	0.010	<0.20	0.060	0.070
AUG						
04...	<0.010	0.190	0.030	1.4	0.190	0.190

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02302000 CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°10'30", long 82°11'20", in SE¹/₄ 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.

WATER-DISCHARGE RECORDS

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.--434 measurements (1923, 1933, 1934-97), 55.6 ft³/s, 36.0 mg/d.

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

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Time	Hillsborough River		Difference or spring flow (cfs)
		Below Springs (cfs)	Above Springs (cfs)	
Oct. 07	1405	92	16	76
Nov. 21	1320	58	13	45
Jan. 09	1235	56	12	44
Mar. 12	1240	50	12	38
May 01	1300	54	11	43
May 29	1120	52	10	42
June 26	1220	46	11	35

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
02302000 CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1923, 1946, 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
FEB 04...	1055	341	7.8	21.0	--	9.4	--	--	--	--	--
MAR 03...	1230	339	7.2	21.5	--	4.0	--	--	--	--	--
APR 03...	1135	340	7.5	24.0	--	4.5	--	--	--	--	--
MAY 29...	1210	343	7.6	23.5	40	3.3	56	4.0	5.0	0.40	8.7
AUG 04...	1445	350	7.4	24.0	--	3.6	--	--	--	--	--

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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 ORTHO TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
FEB 04...	--	--	--	--	<0.010	2.50	0.010	<0.20	0.030	0.030	--
MAR 03...	--	--	--	--	<0.010	2.60	0.010	<0.20	0.050	0.030	--
APR 03...	--	--	--	--	<0.010	2.50	0.020	<0.20	0.040	0.030	--
MAY 29...	11	0.10	11	204	<0.010	2.40	<0.010	<0.20	0.100	0.040	230
AUG 04...	--	--	--	--	<0.010	2.20	0.020	<0.20	<0.020	0.040	--

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02302500 BLACKWATER CREEK NEAR KNIGHTS, FL

LOCATION.--Lat 28°08'25", long 82°09'00", in NW 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 mi², 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, 1985, at site 900 ft downstream at datum 70.56 ft lower; Oct. 1, 1985, to Sept. 30, 1987, at former site at present datum.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	3.2	7.2	6.5	12	.90	7.2	43	3.2	28	106	37
2	16	3.1	13	6.8	11	.90	6.4	34	3.4	18	129	43
3	15	3.0	17	7.1	10	.76	6.7	30	6.2	14	113	57
4	15	3.1	13	5.8	8.9	.57	6.2	25	4.8	14	82	53
5	15	3.6	10	5.9	7.7	.87	6.9	20	3.9	21	91	42
6	e30	4.0	8.9	6.2	6.7	2.8	8.0	17	3.0	34	119	45
7	e40	3.5	11	5.3	6.1	3.2	7.8	16	2.3	38	109	41
8	e60	2.7	75	5.0	5.7	5.3	6.7	21	1.9	39	175	35
9	e90	2.3	43	5.8	6.6	6.6	6.3	18	1.8	30	99	31
10	e200	2.8	21	12	7.0	4.4	5.8	16	2.1	23	136	28
11	e300	2.6	16	16	7.6	4.8	6.1	14	2.7	27	833	26
12	e200	1.6	13	13	8.4	2.3	11	12	15	69	462	25
13	e90	1.4	12	11	7.6	5.3	14	19	17	85	246	28
14	e80	1.2	11	9.7	6.5	4.0	12	20	11	46	170	32
15	e50	1.2	14	13	8.0	6.9	17	17	8.2	26	124	26
16	e40	1.6	14	19	13	8.7	23	15	6.7	104	147	22
17	e30	1.8	12	20	10	5.6	19	14	5.1	148	195	18
18	e20	2.6	10	14	6.4	5.1	16	13	8.4	97	107	19
19	11	3.0	9.5	11	2.5	7.5	14	12	6.1	44	80	32
20	9.4	3.0	8.7	10	2.0	7.6	14	9.3	3.4	56	67	32
21	7.4	3.2	7.8	9.8	1.5	7.8	12	7.2	2.3	194	64	26
22	6.2	2.9	7.6	9.4	1.5	9.3	12	6.4	1.6	205	65	29
23	5.8	2.6	7.3	9.8	1.5	19	13	6.8	1.1	147	62	28
24	5.4	2.3	7.0	10	1.5	16	23	9.4	.96	94	53	32
25	5.5	2.1	7.0	9.5	1.2	12	22	7.4	1.1	89	48	35
26	5.6	3.7	6.6	18	.99	9.3	33	6.5	2.3	100	50	125
27	5.5	13	6.6	16	.89	9.3	122	6.8	19	101	43	1920
28	4.5	11	7.2	12	.89	10	96	6.7	31	305	39	2560
29	4.1	7.8	7.1	11	---	10	78	6.8	27	258	34	1900
30	3.8	6.9	6.8	11	---	9.2	55	5.9	33	293	35	1280
31	3.3	---	6.9	13	---	8.2	---	4.5	---	185	38	---
TOTAL	1386.5	106.8	417.2	332.6	163.67	204.20	680.1	459.7	235.56	2932	4121	8607
MEAN	44.7	3.56	13.5	10.7	5.85	6.59	22.7	14.8	7.85	94.6	133	287
MAX	300	13	75	20	13	19	122	43	33	305	833	2560
MIN	3.3	1.2	6.6	5.0	.89	.57	5.8	4.5	.96	14	34	18
AC-FT	2750	212	828	660	325	405	1350	912	467	5820	8170	17070
CFSM	.41	.03	.12	.10	.05	.06	.21	.13	.07	.86	1.21	2.61
IN.	.47	.04	.14	.11	.06	.07	.23	.16	.08	.99	1.39	2.91

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1952	74.9	362	1960	5.92	1981
1953	32.7	223	1954	1.66	1991
1954	33.7	255	1954	.83	1991
1955	49.6	229	1964	5.38	1991
1956	56.2	215	1964	4.09	1991
1957	95.3	729	1960	5.04	1985
1958	38.9	276	1959	.86	1985
1959	27.0	232	1957	.011	1985
1960	69.3	345	1959	3.42	1985
1961	107	419	1991	12.0	1989
1962	166	655	1965	19.1	1956
1963	192	833	1960	13.9	1972

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1952 - 1997
ANNUAL TOTAL	23095.9	19646.33	
ANNUAL MEAN	63.1	53.8	78.6
HIGHEST ANNUAL MEAN			257
LOWEST ANNUAL MEAN			23.1
HIGHEST DAILY MEAN	743 Jan 3	2560 Sep 28	5080 Mar 18 1960
LOWEST DAILY MEAN	1.2 Nov 14	.57 Mar 4	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	1.6 Nov 11	.83 Feb 27	.00 May 22 1977
INSTANTANEOUS PEAK FLOW		2700 Sep 28	5400 Mar 18 1960
INSTANTANEOUS PEAK STAGE		79.56 Sep 28	80.48 Sep 7 1988
ANNUAL RUNOFF (AC-FT)	45810	38970	56970
ANNUAL RUNOFF (CFSM)	.57	.49	.71
ANNUAL RUNOFF (INCHES)	7.81	6.64	9.71
10 PERCENT EXCEEDS	162	98	185
50 PERCENT EXCEEDS	25	11	25
90 PERCENT EXCEEDS	4.1	2.6	5.9

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN**

02302500 BLACKWATER CREEK NEAR KNIGHTS, FL--Continued

**GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.23	71.94	72.09	71.99	72.13	71.69	71.79	72.38	71.59	72.35	73.37	72.41
2	72.17	71.93	72.25	72.00	72.09	71.69	71.75	72.23	71.61	72.14	73.61	72.50
3	72.15	71.93	72.37	72.00	72.07	71.67	71.75	72.17	71.72	72.04	73.45	72.71
4	72.15	71.93	72.27	71.96	72.04	71.65	71.73	72.07	71.68	72.03	73.11	72.66
5	72.15	71.96	72.19	71.96	72.00	71.67	71.74	71.98	71.64	72.18	73.22	72.50
6	---	71.97	72.15	71.96	71.97	71.80	71.77	71.92	71.61	72.46	73.51	72.54
7	---	71.95	72.20	71.93	71.95	71.81	71.76	71.90	71.58	72.52	73.37	72.47
8	---	71.92	73.15	71.92	71.93	71.88	71.72	72.01	71.55	72.53	74.00	72.37
9	---	71.89	72.79	71.93	71.97	71.92	71.70	71.94	71.56	72.38	73.30	72.30
10	---	71.92	72.45	72.11	71.98	71.83	71.67	71.89	71.58	72.24	73.46	72.24
11	---	71.91	72.32	72.23	72.00	71.84	71.68	71.85	71.61	72.31	77.60	72.20
12	---	71.86	72.26	72.15	72.02	71.72	71.82	71.82	72.00	72.90	75.91	72.19
13	---	71.84	72.21	72.10	72.00	71.85	71.89	71.99	72.07	73.15	74.53	72.25
14	---	71.82	72.19	72.06	71.96	71.79	71.83	72.01	71.93	72.64	73.97	72.32
15	---	71.82	72.28	72.15	72.01	71.89	71.95	71.94	71.84	72.30	73.53	72.21
16	---	71.85	72.26	72.31	72.15	71.94	72.09	71.90	71.80	73.30	73.73	72.12
17	---	71.87	72.20	72.32	72.09	71.83	72.00	71.87	71.74	73.79	74.13	72.05
18	---	71.91	72.16	72.17	71.95	71.80	71.92	71.87	71.85	73.27	73.35	72.05
19	72.20	71.93	72.13	72.10	71.79	71.88	71.85	71.84	71.79	72.62	73.03	72.32
20	72.17	71.93	72.10	72.08	71.77	71.88	71.85	71.76	71.68	72.77	72.86	72.33
21	72.10	71.94	72.07	72.07	71.74	71.88	71.80	71.71	71.64	74.16	72.82	72.21
22	72.06	71.93	72.06	72.05	71.74	71.92	71.78	71.68	71.60	74.25	72.83	72.26
23	72.05	71.91	72.05	72.07	71.74	72.15	71.81	71.70	71.57	73.77	72.79	72.24
24	72.03	71.90	72.04	72.08	71.74	72.07	72.01	71.79	71.56	73.24	72.67	72.33
25	72.04	71.88	72.03	72.05	71.72	71.97	72.01	71.73	71.57	73.20	72.58	72.37
26	72.04	71.96	72.01	72.26	71.70	71.89	72.18	71.70	71.63	73.31	72.62	73.20
27	72.04	72.25	72.01	72.23	71.69	71.88	73.36	71.71	72.12	73.25	72.51	78.80
28	72.00	72.20	72.03	72.13	71.69	71.91	73.07	71.72	72.40	74.93	72.45	79.44
29	71.98	72.11	72.02	72.10	---	71.90	72.87	71.72	72.32	74.61	72.36	78.90
30	71.97	72.08	72.01	72.10	---	71.86	72.56	71.70	72.43	74.85	72.38	78.26
31	71.95	---	72.01	72.15	---	71.82	---	71.65	---	74.09	72.43	---
MEAN	---	71.94	72.21	72.09	71.92	71.85	71.99	71.88	71.78	73.08	73.40	73.22
MAX	---	72.25	73.15	72.32	72.15	72.15	73.36	72.38	72.43	74.93	77.60	79.44
MIN	---	71.82	72.01	71.92	71.69	71.65	71.67	71.65	71.55	72.03	72.36	72.05

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02302500 BLACKWATER CREEK NEAR KNIGHTS, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
FEB 04...	1135	72.04	8.9	306	8.0	13.0	8.4
MAR 03...	1315	71.67	0.76	362	8.0	19.0	3.6
APR 03...	1210	71.72	6.8	783	8.0	18.0	5.9
MAY 29...	1245	71.76	6.8	442	7.7	24.0	3.6
AUG 04...	1540	73.05	77	249	7.5	26.0	5.2
SEP 17...	1220	72.04	18	496	7.7	25.0	4.5

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
FEB 04...	<0.010	0.440	0.030	0.62	0.300	0.290
MAR 03...	<0.010	0.220	0.040	0.64	0.520	0.550
APR 03...	0.020	0.320	0.080	0.99	0.340	0.310
MAY 29...	0.010	0.430	0.080	0.86	0.630	0.500
AUG 04...	0.042	0.540	0.090	1.5	0.950	0.870
SEP 17...	<0.010	0.620	0.040	0.44	0.320	0.340

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL

LOCATION.--Lat 28°08'59", long 82°13'57", in SW¹/₄ 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 mi², 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. Records include high-water diversions upstream from station from the Withlacoochee River basin through Withlacoochee-Hillsborough overflow near Richland (station 02311000).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	65	58	72	77	61	60	104	58	91	234	96
2	83	65	62	72	77	60	57	93	59	82	238	94
3	81	66	70	73	75	60	55	86	57	75	270	105
4	80	66	68	73	74	60	55	79	58	72	271	131
5	80	64	63	73	72	58	53	70	58	73	264	135
6	87	64	61	73	70	58	53	67	57	91	285	130
7	108	63	72	73	70	59	56	65	55	95	249	121
8	230	62	130	73	69	59	56	67	54	92	328	113
9	301	64	139	74	69	66	54	68	56	98	277	101
10	250	63	100	78	67	66	54	65	58	92	272	93
11	173	63	85	88	67	63	55	63	66	104	729	87
12	145	62	78	86	71	62	57	63	99	110	724	84
13	127	60	75	83	70	59	59	66	92	150	473	83
14	115	59	73	81	68	64	63	70	89	121	457	82
15	106	58	75	80	73	62	66	67	76	100	472	81
16	98	58	79	85	74	65	72	65	70	125	484	76
17	93	58	77	94	75	65	73	64	66	196	637	69
18	90	58	74	90	71	60	68	63	65	175	422	67
19	89	57	73	84	69	59	66	62	66	123	367	70
20	89	56	75	81	67	61	61	60	58	133	340	76
21	86	56	76	79	65	64	56	57	55	224	295	71
22	81	55	73	77	65	63	55	54	54	277	254	69
23	76	56	72	75	63	71	59	54	53	236	218	72
24	74	55	72	75	64	76	62	55	52	189	184	83
25	73	55	72	76	64	72	70	56	53	167	154	98
26	72	58	72	81	64	67	86	58	53	189	140	175
27	72	63	71	86	63	65	151	56	e53	172	125	2220
28	71	66	71	80	62	65	e148	59	e57	316	113	4150
29	70	61	72	77	---	65	146	60	e65	338	103	3800
30	68	59	71	75	---	64	130	59	89	361	96	2970
31	67	---	72	76	---	62	---	58	---	306	96	---
TOTAL	3320	1815	2381	2443	1935	1961	2156	2033	1901	4973	9571	15602
MEAN	107	60.5	76.8	78.8	69.1	63.3	71.9	65.6	63.4	160	309	520
MAX	301	66	139	94	77	76	151	104	99	361	729	4150
MIN	67	55	58	72	62	58	53	54	52	72	96	67
MED	86	61	72	77	69	63	60	63	58	125	271	94
CFSM	.49	.28	.35	.36	.31	.29	.33	.30	.29	.73	1.40	2.36
IN.	.56	.31	.40	.41	.33	.33	.36	.34	.32	.84	1.62	2.64

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1940	263	944	1960	72.9	1991
1941	132	471	1989	51.7	1991
1942	131	665	1954	52.0	1991
1943	168	868	1948	61.9	1991
1944	176	593	1964	55.3	1991
1945	270	2093	1960	58.8	1949
1946	177	942	1957	57.1	1949
1947	101	333	1959	47.1	1994
1948	182	849	1945	54.8	1981
1949	315	1959	1945	61.4	1981
1950	454	1468	1945	83.0	1956
1951	541	2280	1960	91.9	1978

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1940 - 1997
ANNUAL TOTAL	66959	50091	
ANNUAL MEAN	183	137	243
HIGHEST ANNUAL MEAN			745
LOWEST ANNUAL MEAN			86.4
HIGHEST DAILY MEAN	1070	4150	12300
LOWEST DAILY MEAN	55	52	40
ANNUAL SEVEN-DAY MINIMUM	56	53	42
INSTANTANEOUS PEAK FLOW		4300	12600
INSTANTANEOUS PEAK STAGE		12.61	15.33
ANNUAL RUNOFF (CFSM)	.83	.62	1.10
ANNUAL RUNOFF (INCHES)	11.32	8.47	14.99
10 PERCENT EXCEEDS	378	220	520
50 PERCENT EXCEEDS	122	72	116
90 PERCENT EXCEEDS	66	57	69

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	.83	.79	.79	.82	.70	.69	1.11	.65	.95	2.12	1.08
2	.97	.83	.83	.79	.82	.69	.67	1.01	.66	.87	2.14	1.06
3	.95	.84	.90	.79	.81	.70	.65	.94	.64	.80	2.35	1.16
4	.94	.84	.88	.79	.79	.69	.65	.89	.64	.77	2.36	1.38
5	.94	.83	.84	.78	.78	.67	.63	.80	.64	.78	2.32	1.41
6	1.00	.82	.81	.77	.76	.67	.63	.77	.63	.95	2.45	1.36
7	1.19	.81	.90	.77	.76	.69	.66	.74	.62	.99	2.22	1.30
8	2.08	.80	1.37	.77	.75	.68	.66	.76	.61	.96	2.71	1.23
9	2.55	.82	1.44	.77	.75	.75	.64	.77	.62	1.01	2.40	1.13
10	2.22	.82	1.13	.81	.76	.76	.64	.74	.65	.96	2.36	1.06
11	1.70	.82	1.00	.91	.77	.73	.65	.73	.71	1.08	4.80	1.01
12	1.48	.81	.94	.89	.77	.73	.67	.72	1.03	1.12	4.79	.98
13	1.35	.79	.90	.85	.76	.69	.69	.75	.97	1.46	3.54	.97
14	1.25	.78	.88	.84	.75	.74	.73	.79	.93	1.23	3.45	.96
15	1.18	.77	.89	.83	.79	.72	.76	.75	.81	1.04	3.53	.95
16	1.11	.77	.92	.89	.81	.75	.82	.73	.75	1.24	3.59	.91
17	1.07	.77	.90	.97	.82	.75	.83	.72	.71	1.83	4.38	.84
18	1.05	.77	.86	.93	.78	.70	.78	.71	.70	1.66	3.25	.82
19	1.03	.77	.85	.88	.77	.69	.75	.70	.71	1.25	2.94	.85
20	1.03	.76	.87	.84	.75	.71	.70	.68	.63	1.32	2.78	.91
21	1.01	.76	.86	.82	.73	.74	.67	.65	.60	2.02	2.51	.86
22	.97	.75	.84	.81	.73	.73	.65	.62	.59	2.40	2.25	.84
23	.93	.76	.83	.79	.72	.81	.68	.62	.57	2.13	2.01	.86
24	.90	.76	.83	.80	.72	.86	.72	.63	.56	1.81	1.77	.97
25	.90	.75	.82	.81	.72	.81	.80	.63	.57	1.65	1.55	1.11
26	.89	.78	.81	.86	.72	.77	.94	.65	.58	1.80	1.44	1.57
27	.89	.83	.80	.90	.71	.75	1.49	.63	---	1.70	1.33	9.64
28	.87	.86	.80	.85	.70	.75	---	.66	---	2.64	1.23	12.48
29	.87	.82	.80	.81	---	.75	1.45	.67	---	2.77	1.15	12.17
30	.85	.80	.79	.80	---	.74	1.32	.66	.94	2.90	1.09	11.20
31	.84	---	.79	.81	---	.71	---	.65	---	2.58	1.08	---
MEAN	1.16	.80	.90	.83	.76	.73	---	.74	---	1.51	2.51	2.44
MAX	2.55	.86	1.44	.97	.82	.86	---	1.11	---	2.90	4.80	12.48
MIN	.84	.75	.79	.77	.70	.67	---	.62	---	.77	1.08	.82

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
FEB							
04...	0855	0.80	74	358	8.0	16.5	8.6
MAR							
03...	1145	0.71	62	358	7.2	21.0	7.2
APR							
03...	0930	0.67	57	363	7.9	20.5	6.6
MAY							
29...	1110	0.69	62	372	7.8	23.5	6.9
AUG							
04...	1400	2.30	261	265	7.5	25.0	5.2

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
FEB						
04...	<0.010	1.70	0.010	<0.20	0.070	0.070
MAR						
03...	<0.010	1.90	0.020	<0.20	0.080	0.060
APR						
03...	<0.010	2.00	0.020	<0.20	0.080	0.070
MAY						
29...	<0.010	1.90	0.010	<0.20	0.060	0.070
AUG						
04...	<0.010	0.630	0.030	1.3	0.490	0.450

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02303205 BAKER CREEK AT MCINTOSH ROAD NEAR ANTIOCH, FL

LOCATION.--Lat 28°01'41", long 82°14'44", in SE 1/4 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 McIntosh Road and Interstate 4, 1.25 mi southeast of Antioch, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--27.4 mi².

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. Prior to March 1997, flow included effluent from upstream industry.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	8.1	3.7	6.4	6.5	4.4	e.13	5.4	.28	.51	16	1.9
2	9.7	9.6	7.0	6.1	7.0	1.2	e.10	4.3	.18	.42	16	1.7
3	9.7	7.2	8.6	5.4	5.9	.36	e.07	11	.13	.38	16	1.7
4	9.8	4.5	8.5	5.3	5.8	.32	e.05	6.1	.13	.37	14	1.7
5	9.2	6.8	8.3	4.9	5.3	.32	e.04	2.2	2.8	.52	15	1.7
6	7.1	9.1	8.2	4.7	6.1	1.9	e.03	1.5	3.3	.66	22	1.6
7	11	9.3	17	3.6	5.6	2.0	e.02	1.6	1.5	.87	18	1.6
8	38	9.1	31	5.0	3.4	1.4	.02	1.3	.74	1.3	16	1.6
9	40	7.8	23	6.3	2.6	.35	.01	.94	.46	1.8	29	1.6
10	29	4.2	16	8.3	2.5	.32	.01	.65	.17	3.1	34	1.4
11	22	3.2	14	7.6	2.9	.32	.01	.22	1.4	4.7	21	2.4
12	18	5.5	12	6.0	5.9	.96	.02	.21	3.7	9.0	20	2.8
13	17	7.3	11	4.8	6.5	1.8	.01	1.8	3.7	4.4	16	3.2
14	15	7.4	9.7	7.0	5.6	1.4	.04	2.4	2.3	11	13	2.5
15	14	6.8	8.2	8.6	3.2	1.3	.07	2.1	1.9	9.4	11	1.6
16	14	7.3	7.3	8.7	3.0	.45	.03	2.3	1.2	5.9	9.0	1.2
17	15	7.2	7.2	8.2	2.7	.35	.02	1.6	.62	5.6	6.8	1.2
18	17	6.5	7.2	7.5	5.3	.28	.02	.90	.49	3.7	5.5	1.4
19	15	4.6	9.0	6.4	6.3	1.3	.02	.36	.61	3.8	5.0	2.6
20	11	7.2	9.1	3.9	6.7	2.6	.02	.26	.51	3.9	6.6	2.9
21	8.7	7.2	8.9	5.5	6.1	4.2	.01	.10	.32	6.9	6.5	1.5
22	11	7.6	8.2	6.5	4.9	3.4	.02	.40	1.2	7.8	6.3	1.0
23	12	5.1	7.6	6.9	2.3	1.7	.10	1.3	1.3	5.9	7.3	.97
24	12	3.4	8.0	6.8	1.8	.43	.03	1.9	.64	4.9	6.3	.93
25	12	2.8	6.9	6.3	3.5	.25	.02	.73	.41	4.6	4.1	2.4
26	9.3	5.8	5.4	5.5	4.9	2.5	3.0	.22	2.3	3.9	2.4	33
27	7.1	8.5	5.1	3.8	6.0	3.2	7.1	.12	2.8	3.1	3.8	371
28	5.9	4.9	5.6	5.1	6.5	2.6	6.2	.15	2.4	4.7	3.1	523
29	8.2	3.6	6.0	5.8	---	.74	7.6	.14	1.6	7.6	2.6	369
30	10	3.3	5.7	5.9	---	.35	6.2	.15	.80	12	2.6	242
31	9.3	---	5.7	6.9	---	.18	---	.37	---	21	2.7	---
TOTAL	435.9	190.9	299.1	189.7	134.8	42.88	31.02	52.72	39.89	153.73	357.6	1583.10
MEAN	14.1	6.36	9.65	6.12	4.81	1.38	1.03	1.70	1.33	4.96	11.5	52.8
MAX	40	9.6	31	8.7	7.0	4.4	7.6	11	3.7	21	34	523
MIN	5.9	2.8	3.7	3.6	1.8	.18	.01	.10	.13	.37	2.4	.93
CFSM	.51	.23	.35	.22	.18	.05	.04	.06	.05	.18	.42	1.93
IN.	.59	.26	.41	.26	.18	.06	.04	.07	.05	.21	.49	2.15

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997
MEAN	28.9	15.2	12.4	22.8	16.4
MAX	47.4	28.5	22.4	38.6	22.3
(WY)	1995	1995	1995	1996	1993
MIN	14.1	6.36	7.67	6.12	4.81
(WY)	1997	1997	1994	1997	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1993 - 1997
ANNUAL TOTAL	7030.3	3511.34	
ANNUAL MEAN	19.2	9.62	20.3
HIGHEST ANNUAL MEAN			25.7
LOWEST ANNUAL MEAN			9.62
HIGHEST DAILY MEAN	144 Jan 2	523 Sep 28	523 Sep 28 1997
LOWEST DAILY MEAN	1.9 Sep 2	.01 Apr 9	.01 Apr 9 1997
ANNUAL SEVEN-DAY MINIMUM	4.2 Sep 2	.01 Apr 7	.01 Apr 7 1997
INSTANTANEOUS PEAK FLOW		605 Sep 27	605 Sep 27 1997
INSTANTANEOUS PEAK STAGE		9.50 Sep 27	9.50 Sep 27 1997
ANNUAL RUNOFF (CFSM)	.70	.35	.74
ANNUAL RUNOFF (INCHES)	9.54	4.77	10.05
10 PERCENT EXCEEDS	39	13	41
50 PERCENT EXCEEDS	16	4.4	14
90 PERCENT EXCEEDS	6.4	.22	3.4

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN**

02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL

LOCATION.--Lat 28°05'50", long 82°18'45", in NW 1/4 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 mi², 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. Flow regulated during flood stage by Hillsborough River at Structure S-155 (station 02303354) 3.0 mi downstream since 1985.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	82	73	80	74	63	54	e110	e56	78	312	129
2	115	82	80	78	74	62	51	e100	e60	80	330	126
3	109	82	80	75	74	61	50	116	e56	76	322	121
4	104	80	81	74	74	60	49	110	54	71	303	118
5	99	79	81	73	75	60	48	100	55	80	303	120
6	99	78	83	71	74	59	48	91	54	90	312	122
7	118	77	87	70	73	58	49	86	52	90	317	124
8	214	77	111	70	72	58	51	81	51	88	326	126
9	272	77	120	70	71	58	50	79	52	90	347	124
10	366	75	126	75	70	60	48	78	52	90	453	120
11	384	73	128	74	70	60	47	76	54	96	498	114
12	329	72	123	77	69	59	47	75	69	106	635	110
13	262	71	117	78	69	58	48	78	81	107	619	101
14	212	70	109	76	69	62	51	76	84	111	741	94
15	177	69	103	75	74	63	59	76	82	115	623	90
16	150	69	100	77	78	61	58	73	76	117	559	86
17	132	68	108	80	75	60	59	70	69	116	578	83
18	127	67	119	82	74	60	59	68	65	119	633	97
19	119	67	122	80	72	58	56	66	62	124	630	93
20	112	67	121	78	71	58	53	65	61	131	549	85
21	106	68	118	76	71	59	52	62	55	132	474	83
22	100	68	114	75	69	60	51	58	51	134	435	80
23	95	66	110	74	69	59	e42	e58	49	146	388	80
24	93	66	125	73	68	61	e44	e56	50	167	342	105
25	90	65	158	74	66	63	e47	e58	47	186	298	119
26	88	71	183	76	65	62	e52	e58	48	192	259	221
27	86	77	188	77	64	60	e80	e60	57	189	230	850
28	84	75	142	79	63	58	e120	e60	68	189	198	1790
29	84	76	102	77	---	58	e118	e58	75	198	173	2290
30	83	74	88	75	---	58	e115	e56	76	233	151	2710
31	83	---	83	74	---	56	---	e58	---	276	132	---
TOTAL	4616	2188	3483	2343	1987	1852	1756	2316	1821	4017	12670	10511
MEAN	149	72.9	112	75.6	71.0	59.7	58.5	74.7	60.7	130	409	350
MAX	384	82	188	82	78	63	120	116	84	276	419	2710
MIN	83	65	73	70	63	56	42	56	47	71	132	80
AC-FT	9160	4340	6910	4650	3940	3670	3480	4590	3610	7970	25130	20850
CFSM	.40	.19	.30	.20	.19	.16	.16	.20	.16	.35	1.09	.93
IN.	.46	.22	.35	.23	.20	.18	.17	.23	.18	.40	1.26	1.04

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1973	267	910	1980	72.1	1973
1974	138	503	1981	53.7	1974
1975	137	455	1982	50.1	1975
1976	186	546	1983	61.0	1976
1977	206	688	1984	55.9	1977
1978	241	934	1985	59.7	1978
1979	179	822	1986	58.2	1979
1980	105	447	1987	45.4	1980
1981	171	921	1988	54.6	1981
1982	294	1030	1989	58.0	1982
1983	442	1013	1990	76.0	1983
1984	559	2026	1991	193	1984
1985	1979	1979	1992	1978	1985

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1973 - 1997
ANNUAL TOTAL	84896	49560	
ANNUAL MEAN	232	136	244
HIGHEST ANNUAL MEAN			465
LOWEST ANNUAL MEAN			115
HIGHEST DAILY MEAN	1200	2710	4340
LOWEST DAILY MEAN	65	e42	32
ANNUAL SEVEN-DAY MINIMUM	67	49	33
INSTANTANEOUS PEAK FLOW		2760	4670
INSTANTANEOUS PEAK STAGE		31.85	34.15
ANNUAL RUNOFF (AC-FT)	168400	98300	176600
ANNUAL RUNOFF (CFSM)	.62	.36	.65
ANNUAL RUNOFF (INCHES)	8.42	4.92	8.83
10 PERCENT EXCEEDS	506	243	557
50 PERCENT EXCEEDS	158	78	123
90 PERCENT EXCEEDS	80	56	63

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02303330 HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.37	24.90	24.62	24.76	24.56	24.23	23.98	---	---	24.74	26.55	25.53
2	25.24	24.89	24.76	24.71	24.56	24.20	23.92	---	---	24.76	26.62	25.51
3	25.16	24.90	24.76	24.66	24.58	24.18	23.88	25.28	---	24.70	26.59	25.44
4	25.07	24.86	24.77	24.63	24.59	24.15	23.86	25.20	24.27	24.61	26.51	25.41
5	24.99	24.83	24.78	24.61	24.60	24.14	23.85	25.08	24.28	24.77	26.51	25.43
6	25.00	24.80	24.82	24.58	24.58	24.11	23.84	24.95	24.26	24.97	26.55	25.46
7	25.26	24.78	24.90	24.56	24.54	24.07	23.86	24.86	24.23	24.97	26.57	25.49
8	26.02	24.77	25.30	24.54	24.51	24.08	23.91	24.78	24.20	24.93	26.60	25.51
9	26.32	24.76	25.43	24.55	24.48	24.09	23.88	24.75	24.23	24.95	26.68	25.49
10	26.74	24.71	25.50	24.65	24.45	24.15	23.83	24.74	24.23	24.96	27.06	25.43
11	26.82	24.67	25.53	24.64	24.44	24.16	23.81	24.69	24.27	25.07	27.20	25.34
12	26.61	24.63	25.48	24.70	24.44	24.12	23.82	24.68	24.55	25.23	27.56	25.28
13	26.32	24.60	25.38	24.71	24.42	24.08	23.83	24.74	24.78	25.25	27.99	25.14
14	26.07	24.57	25.27	24.68	24.41	24.20	23.91	24.69	24.84	25.29	27.82	25.04
15	25.87	24.56	25.19	24.66	24.57	24.23	24.10	24.69	24.81	25.35	27.54	24.96
16	25.69	24.53	25.13	24.70	24.69	24.16	24.07	24.64	24.69	25.39	27.37	24.88
17	25.55	24.51	25.26	24.76	24.61	24.15	24.10	24.58	24.56	25.37	27.42	24.82
18	25.51	24.49	25.42	24.79	24.57	24.14	24.11	24.54	24.48	25.41	27.57	25.09
19	25.44	24.49	25.46	24.75	24.53	24.10	24.03	24.51	24.43	25.48	27.56	25.01
20	25.35	24.49	25.44	24.68	24.50	24.07	23.97	24.48	24.40	25.55	27.34	24.87
21	25.28	24.51	25.40	24.64	24.47	24.13	23.93	24.43	24.29	25.56	27.12	24.83
22	25.20	24.50	25.34	24.60	24.44	24.14	23.90	24.35	24.19	25.57	27.00	24.75
23	25.14	24.47	25.28	24.56	24.42	24.11	---	---	24.17	25.66	26.84	24.75
24	25.10	24.45	25.48	24.55	24.38	24.17	---	---	24.18	25.80	26.67	25.20
25	25.06	24.43	25.74	24.57	24.34	24.24	---	---	24.12	25.92	26.49	25.42
26	25.02	24.57	25.90	24.64	24.32	24.21	---	---	24.13	25.96	26.31	25.96
27	24.99	24.69	25.93	24.67	24.28	24.14	---	---	24.32	25.94	26.16	28.18
28	24.97	24.65	25.62	24.71	24.25	24.09	---	---	24.55	25.94	25.99	30.60
29	24.96	24.67	25.17	24.67	---	24.08	---	---	24.67	25.99	25.84	31.33
30	24.94	24.64	24.93	24.61	---	24.07	---	---	24.70	26.18	25.69	31.81
31	24.92	---	24.82	24.58	---	24.04	---	---	---	26.39	25.56	---
MEAN	25.48	24.64	25.25	24.65	24.48	24.14	---	---	---	25.38	26.82	25.93
MAX	26.82	24.90	25.93	24.79	24.69	24.24	---	---	---	26.39	27.99	31.81
MIN	24.92	24.43	24.62	24.54	24.25	24.04	---	---	---	24.61	25.56	24.75

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HBIGHT (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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)
FEB												
03...	1005	24.57	74	369	8.2	13.0	--	7.9	--	--	--	--
MAR												
03...	1020	24.18	61	368	7.5	20.0	100	5.7	59	4.2	7.5	0.90
APR												
10...	1320	23.83	48	367	7.3	21.5	40	7.0	59	4.2	7.9	1.1
MAY												
29...	1005	24.45	E58	383	7.7	24.5	30	5.6	58	4.6	11	1.7
AUG												
04...	1250	26.51	303	260	7.1	24.0	--	3.2	--	--	--	--
SEP												
17...	1045	24.86	85	368	7.9	25.0	60	5.1	57	4.6	11	1.8

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)
FEB											
03...	--	--	--	--	--	<0.010	1.30	0.020	0.24	0.100	0.090
MAR											
03...	12	12	0.20	8.5	216	0.010	1.40	0.040	0.35	0.100	0.090
APR											
10...	14	14	0.20	7.8	206	<0.010	1.50	0.020	0.24	0.100	0.080
MAY											
29...	16	17	0.20	8.4	226	<0.010	1.30	0.040	0.25	0.130	0.090
AUG											
04...	--	--	--	--	--	<0.010	0.200	0.030	1.2	0.530	0.500
SEP											
17...	17	15	0.30	11	242	<0.010	1.00	0.030	0.36	0.240	0.210

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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)
FEB											
03...	--	--	--	--	--	--	--	--	--	--	--
MAR											
03...	130	<1	<1	<1	3	150	<1	<0.10	<1	340	3
APR											
10...	40	<1	<1	<1	<1	40	<1	<0.10	<1	300	2
MAY											
29...	60	<1	<1	<1	<1	50	<1	<0.10	<1	340	4
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
17...	40	<1	<1	<1	<1	170	1	<0.10	<1	350	3

HILLSBOROUGH RIVER BASIN

02303350 TROUT CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°08'20", long 82°21'50", in SW 1/4 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 mi², 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	.49	.01	.37	16	.72	.00	36	.84	1.6	22	1.6
2	2.7	.43	.12	.34	11	.56	.00	30	.78	1.5	19	1.5
3	2.4	.62	.23	.30	8.4	.39	.00	23	.54	1.6	24	1.5
4	2.1	1.4	.88	.28	6.9	.21	.00	16	.23	1.4	35	1.5
5	1.7	.71	1.2	.22	5.8	.04	.00	11	.13	1.2	36	.92
6	1.5	.45	1.1	.15	5.7	.00	.00	7.9	.00	1.3	62	.58
7	2.7	.32	1.4	.04	4.9	.00	.00	5.6	.00	1.6	47	.55
8	54	.25	4.3	.00	4.2	.00	.00	4.1	.00	1.6	60	.64
9	87	.30	7.7	.05	4.2	.00	.00	3.1	.00	6.4	102	.28
10	48	.20	5.2	.29	4.0	.00	.00	2.3	.00	12	86	.04
11	27	.17	3.4	.35	4.1	.00	.00	1.9	.00	e7.6	159	.02
12	19	.14	2.5	.33	3.4	.00	.00	2.0	.00	e8.9	154	.22
13	14	.09	2.1	.30	3.4	.90	.00	2.5	.00	e19	108	.39
14	10	.03	1.8	.37	3.5	.97	.00	2.4	1.2	e16	72	.44
15	7.8	.00	1.5	.50	2.8	.43	.00	2.1	5.6	9.7	47	.24
16	6.0	.00	1.3	.56	2.3	.22	.00	1.9	3.3	7.0	31	.11
17	4.8	.00	1.1	.53	2.0	.03	.00	1.6	2.3	5.9	21	.01
18	4.0	.00	.92	.48	2.3	.00	.00	1.3	1.8	5.5	15	.05
19	3.3	.00	.81	.39	2.2	.00	.00	1.1	1.4	5.4	10	.00
20	2.6	.00	.66	.30	2.0	.00	.00	.80	1.1	14	8.5	.00
21	2.2	.00	.56	.39	1.9	.00	.00	.43	.78	16	8.0	.00
22	1.9	.00	.52	.40	1.7	.00	.00	.11	.27	20	8.8	.00
23	1.6	.00	.50	.23	1.6	.00	.00	.53	.00	16	8.5	.02
24	1.4	.00	.55	.23	1.5	.00	.00	6.4	.00	13	7.0	.24
25	1.4	.00	.58	.26	1.3	.00	.00	4.7	.00	39	5.5	.35
26	1.0	.00	.53	.39	1.2	.00	8.7	3.0	.05	29	4.5	36
27	.83	.18	.52	.43	1.1	.00	37	2.0	.82	15	3.5	408
28	.68	.19	.59	.41	.93	.00	34	1.6	2.2	16	2.9	734
29	.68	.08	.56	.37	---	.00	59	1.5	2.1	16	2.5	520
30	.68	.02	.35	15	---	.00	49	1.2	1.8	17	2.0	e272
31	.57	---	.35	37	---	.00	---	.99	---	29	1.7	---
TOTAL	316.04	6.07	43.84	61.26	110.33	4.47	187.70	179.06	27.24	355.2	1173.4	1981.20
MEAN	10.2	.20	1.41	1.98	3.94	.14	6.26	5.78	.91	11.5	37.9	66.0
MAX	87	1.4	7.7	37	16	.97	59	36	5.6	39	159	734
MIN	.57	.00	.01	.00	.93	.00	.00	.11	.00	1.2	1.7	.00
CFSM	.44	.01	.06	.09	.17	.01	.27	.25	.04	.50	1.65	2.87
IN.	.51	.01	.07	.10	.18	.01	.30	.29	.04	.57	1.90	3.20

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1997, BY WATER YEAR (WY)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	13.3	5.36	4.45	12.0	17.3	25.7	10.9	9.88	8.47	16.9	36.8	54.9											
MAX	72.7	70.8	53.9	58.3	118	161	69.6	117	81.2	81.1	125	248											
(WY)	1996	1989	1984	1984	1983	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1975 - 1997
ANNUAL TOTAL	3938.27	4445.81	
ANNUAL MEAN	10.8	12.2	18.0
HIGHEST ANNUAL MEAN			39.7
LOWEST ANNUAL MEAN			2.10
HIGHEST DAILY MEAN	238	734	1160
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		761	1540
INSTANTANEOUS PEAK STAGE		41.25	42.58
ANNUAL RUNOFF (CFSM)	.47	.53	.78
ANNUAL RUNOFF (INCHES)	6.37	7.19	10.62
10 PERCENT EXCEEDS	27	20	45
50 PERCENT EXCEEDS	2.4	.97	1.4
90 PERCENT EXCEEDS	.01	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
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 1996 TO SEPTEMBER 1997

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)
FEB							
03...	0850	36.39	8.4	235	6.9	10.5	7.8
MAR							
03...	0835	35.60	0.46	480	6.0	18.0	4.0
MAY							
29...	0850	35.81	1.6	267	7.0	22.5	2.5
AUG							
04...	1112	37.34	36	189	6.6	25.0	4.5
SEP							
29...	1440	40.55	473	--	--	--	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	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)
FEB							
03...	--	0.050	<0.020	0.050	0.91	0.180	0.160
MAR							
03...	--	<0.010	<0.020	0.100	0.99	0.180	0.180
MAY							
29...	--	<0.010	0.050	0.050	0.90	0.310	0.260
AUG							
04...	--	<0.010	0.030	0.020	0.96	0.160	0.150
SEP							
29...	9	<0.010	0.170	0.030	0.84	0.050	0.050

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

231

02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL

LOCATION.--Lat 28°19'25", long 82°23'03", in SW 1/4 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 mi².

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 lower.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.94	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	1.7	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	1.5	.07	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	1.1	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.59	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	2.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	6.3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	9.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	8.3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	7.4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	6.7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	6.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	5.2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	4.4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	3.6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	2.9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	2.2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	1.7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.2
30	1.1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	17
31	.53	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	190.26	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.20
MEAN	6.14	.016	.000	.000	.000	.000	.000	.000	.000	.000	.000	.77
MAX	15	.24	.00	.00	.00	.00	.00	.00	.00	.00	.00	17
MIN	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	377	.9	.00	.00	.00	.00	.00	.00	.00	.00	.00	46
CFSM	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01
IN.	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	MEAN	20.3	7.52	7.29	14.2	19.2	21.7	11.9	4.28	9.08	17.9	32.9	42.7
MAX	105	43.7	69.5	77.3	105	115	99.0	44.6	87.7	132	229	178	178
(WY)	1983	1989	1970	1970	1983	1987	1987	1979	1982	1974	1965	1964	1964
MIN	.000	.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	1992

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1964 - 1997

ANNUAL TOTAL	2890.51	213.93	
ANNUAL MEAN	7.90	.59	17.4
HIGHEST ANNUAL MEAN			53.8
LOWEST ANNUAL MEAN			.11
HIGHEST DAILY MEAN	99	Apr 2	17
LOWEST DAILY MEAN	.00	Many Days	.00
ANNUAL SEVEN-DAY MINIMUM	.00	May 17	.00
INSTANTANEOUS PEAK FLOW			20
INSTANTANEOUS PEAK STAGE			71.66
ANNUAL RUNOFF (AC-FT)	5730	424	12600
ANNUAL RUNOFF (CFSM)	.14	.010	.31
ANNUAL RUNOFF (INCHES)	1.92	.14	4.22
10 PERCENT EXCEEDS	20	.05	48
50 PERCENT EXCEEDS	3.0	.00	3.8
90 PERCENT EXCEEDS	.00	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
02303400 CYPRESS CREEK NEAR SAN ANTONIO, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

[illegible]

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN**

233

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL

LOCATION.--Lat 28°11'08", long 82°24'03", in SW¹/₄ 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 mi².

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 good.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	.66	.08	.67	9.2	.46	.00	30	.21	2.1	10	1.9
2	9.9	.61	.21	.66	7.5	.42	.00	23	.18	1.3	7.1	1.5
3	7.6	.57	.20	.64	6.2	.36	.00	20	.10	1.1	8.2	1.3
4	7.2	.48	.17	.62	5.6	.30	.00	17	.02	1.0	15	1.8
5	7.0	.40	.15	.59	5.8	.25	.00	12	.00	.85	25	1.9
6	6.6	.33	.17	.56	6.1	.20	.00	8.0	.00	.87	28	1.5
7	8.8	.27	1.7	.56	5.8	.14	.00	4.9	.00	.87	27	1.2
8	31	.28	6.6	.54	5.2	.11	.00	3.0	.00	.98	43	.91
9	47	.39	7.2	.63	4.5	.07	.00	1.8	.00	3.5	78	.67
10	48	.36	5.7	1.3	3.9	.04	.00	1.1	.00	8.0	79	.50
11	54	.31	4.4	1.7	3.5	.01	.00	.75	.00	9.4	74	.39
12	60	.25	3.5	1.8	3.0	.00	.00	.69	.00	9.6	72	.32
13	58	.19	2.8	1.6	2.7	.00	.00	.81	.00	9.5	67	.30
14	51	.16	2.2	1.4	2.4	.27	.00	.66	.00	8.2	58	.39
15	41	.14	1.7	1.3	2.2	.33	.00	.50	.00	7.9	48	.36
16	30	.12	1.4	1.3	2.0	.28	.00	.38	.00	7.2	38	.29
17	20	.12	1.2	1.3	1.8	.24	.00	.30	.00	5.6	29	.23
18	13	.12	1.0	1.1	1.6	.18	.00	.25	.00	4.7	21	.19
19	9.1	.12	.89	.93	1.4	.14	.00	.18	.00	4.4	14	.17
20	7.0	.11	.80	.84	1.2	.11	.00	.14	.00	6.4	9.6	.16
21	5.4	.09	.73	.78	1.1	.16	.00	.09	.00	5.9	7.5	.15
22	4.0	.07	.70	.73	1.0	.13	.00	.03	.00	4.7	7.1	.15
23	2.8	.05	.70	.70	1.0	.09	.00	.52	.00	3.9	6.1	.16
24	1.9	.04	.68	.68	.90	.04	.00	2.6	.00	3.2	4.6	.23
25	1.5	.02	.66	.72	.77	.00	.00	3.6	.00	5.4	3.7	.21
26	1.3	.11	.66	1.0	.67	.00	3.3	2.7	.11	5.2	3.7	.95
27	1.2	.11	.67	1.0	.58	.00	7.3	1.4	2.8	6.2	4.3	30
28	1.1	.10	.70	.98	.52	.00	17	.82	6.8	17	4.3	78
29	.96	.08	.67	1.2	---	.00	35	.55	6.1	21	3.8	85
30	.84	.06	.67	6.2	---	.00	37	.36	3.8	18	3.1	84
31	.75	---	.69	9.2	---	.00	---	.23	---	15	2.5	---
TOTAL	551.95	6.72	49.60	43.23	88.14	4.33	99.60	138.36	20.12	198.97	801.6	294.83
MEAN	17.8	.22	1.60	1.39	3.15	.14	3.32	4.46	.67	6.42	25.9	9.83
MAX	60	.66	7.2	9.2	9.2	.46	37	30	6.8	21	79	85
MIN	.75	.02	.08	.54	.52	.00	.00	.03	.00	.85	2.5	.15
CFSM	.15	.00	.01	.01	.03	.00	.03	.04	.01	.05	.22	.08
IN.	.18	.00	.02	.01	.03	.00	.03	.04	.01	.06	.25	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1997, BY WATER YEAR (WY)

	MEAN	50.1	13.5	13.4	31.5	41.2	52.2	37.7	18.7	18.7	33.3	64.4	96.7
MAX	254	98.3	124	163	273	264	416	217	240	139	249	372	
(WY)	1983	1989	1989	1984	1983	1983	1987	1979	1982	1982	1978	1988	
MIN	.000	.000	.000	.12	1.03	.14	.000	.000	.000	.000	.000	.035	
(WY)	1994	1994	1994	1985	1985	1997	1975	1975	1993	1988	1993	1993	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1975 - 1997
ANNUAL TOTAL	7630.70	2297.45	
ANNUAL MEAN	20.8	6.29	39.2
HIGHEST ANNUAL MEAN			124
LOWEST ANNUAL MEAN			2.58
HIGHEST DAILY MEAN	152	85	1430
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.02	.00	.00
INSTANTANEOUS PEAK FLOW		85	1450
INSTANTANEOUS PEAK STAGE		6.05	12.62
ANNUAL RUNOFF (CFSM)	.18	.054	.34
ANNUAL RUNOFF (INCHES)	2.43	.73	4.56
10 PERCENT EXCEEDS	59	17	110
50 PERCENT EXCEEDS	6.8	.82	6.5
90 PERCENT EXCEEDS	.17	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	2.65	2.44	2.62	3.61	2.52	---	4.43	2.35	2.77	3.48	2.76
2	3.41	2.63	2.50	2.62	3.48	2.50	---	4.18	2.34	2.64	3.27	2.69
3	3.23	2.62	2.49	2.61	3.37	2.48	---	4.05	2.31	2.60	3.36	2.64
4	3.20	2.60	2.48	2.61	3.31	2.45	---	3.90	2.28	2.59	3.76	2.74
5	3.19	2.57	2.47	2.60	3.32	2.43	---	3.65	---	2.54	4.20	2.76
6	3.15	2.54	2.48	2.59	3.35	2.41	---	3.36	---	2.55	4.33	2.69
7	3.33	2.52	2.77	2.59	3.32	2.39	---	3.10	---	2.55	4.31	2.63
8	4.50	2.52	3.43	2.58	3.26	2.37	---	2.89	---	2.56	4.80	2.57
9	5.10	2.57	3.46	2.61	3.19	2.35	---	2.73	---	2.93	5.74	2.51
10	5.14	2.56	3.32	2.77	3.12	2.33	---	2.61	---	3.34	5.76	2.46
11	5.31	2.54	3.19	2.85	3.07	2.32	---	2.53	---	3.44	5.64	2.43
12	5.46	2.51	3.09	2.86	3.01	2.31	---	2.51	---	3.46	5.58	2.40
13	5.41	2.49	3.00	2.83	2.97	2.31	---	2.54	---	3.45	5.44	2.39
14	5.22	2.48	2.92	2.79	2.93	2.43	---	2.50	---	3.35	5.22	2.43
15	4.94	2.47	2.85	2.77	2.90	2.45	---	2.45	---	3.34	4.96	2.42
16	4.59	2.46	2.79	2.78	2.88	2.44	---	2.41	---	3.28	4.69	2.39
17	4.21	2.46	2.75	2.77	2.83	2.42	---	2.39	---	3.15	4.37	2.37
18	3.87	2.46	2.71	2.73	2.79	2.39	---	2.37	---	3.06	4.05	2.35
19	3.63	2.46	2.68	2.69	2.76	2.38	---	2.34	---	3.03	3.73	2.34
20	3.47	2.45	2.66	2.67	2.73	2.36	---	2.33	---	3.22	3.47	2.34
21	3.33	2.45	2.64	2.65	2.70	2.38	---	2.31	---	3.18	3.32	2.33
22	3.17	2.44	2.63	2.64	2.68	2.37	---	2.28	---	3.06	3.28	2.33
23	3.03	2.43	2.63	2.63	2.68	2.36	---	2.40	---	2.98	3.20	2.34
24	2.91	2.42	2.63	2.62	2.65	2.34	---	2.85	---	2.90	3.06	2.36
25	2.85	2.42	2.62	2.64	2.61	---	---	2.96	---	3.12	2.97	2.36
26	2.81	2.45	2.62	2.71	2.58	---	2.79	2.85	2.30	3.11	2.97	2.54
27	2.79	2.46	2.62	2.72	2.56	---	3.31	2.67	2.82	3.20	3.04	4.37
28	2.76	2.45	2.63	2.70	2.54	---	3.83	2.54	3.25	3.86	3.04	5.89
29	2.73	2.44	2.62	2.74	---	---	4.62	2.47	3.19	4.07	2.99	6.04
30	2.70	2.44	2.62	3.36	---	---	4.68	2.41	2.97	3.93	2.92	6.02
31	2.67	---	2.63	3.61	---	---	---	2.36	---	3.76	2.84	---
MEAN	3.73	2.50	2.75	2.74	2.97	---	---	2.82	---	3.13	3.99	2.90
MAX	5.46	2.65	3.46	3.61	3.61	---	---	4.43	---	4.07	5.76	6.04
MIN	2.67	2.42	2.44	2.58	2.54	---	---	2.28	---	2.54	2.84	2.33

CAL YR 1996 MEAN 3.68 MAX 7.02 MIN 2.35

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02303420 CYPRESS CREEK AT WORTHINGTON GARDENS, FL--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)
FEB							
03...	0815	3.38	6.3	267	6.8	10.0	6.8
MAR							
03...	0800	2.48	0.36	308	6.0	19.0	5.3
MAY							
29...	0800	2.48	0.58	345	7.0	22.5	3.9
AUG							
04...	1030	3.76	15	230	6.7	24.0	3.8

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, 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)
FEB						
03...	<0.010	<0.020	0.020	1.2	<0.020	0.010
MAR						
03...	0.010	0.080	0.070	1.7	0.050	0.020
MAY						
29...	<0.010	0.030	0.040	1.8	0.120	0.030
AUG						
04...	<0.010	<0.020	0.020	1.6	<0.020	0.030

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN**

02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°05'20", long 82°24'33", in SE 1/4 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 mi², 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.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	6.6	.30	2.8	11	2.2	.00	90	.00	1.2	9.0	5.8
2	46	5.7	.96	2.7	16	1.7	.00	e83	.00	1.3	15	4.7
3	44	5.2	1.2	2.6	23	1.2	.00	e75	.00	.89	22	4.0
4	39	4.4	1.1	2.9	27	.94	.00	e65	.00	.60	38	3.3
5	31	3.8	.97	2.8	29	.72	.00	e53	.00	1.1	47	2.5
6	26	3.3	1.0	2.6	30	.55	.00	43	.00	3.1	52	1.7
7	28	3.0	3.1	2.4	27	.31	.00	33	.00	2.1	57	1.0
8	82	3.1	8.8	2.3	24	.16	.00	26	.00	1.6	73	.63
9	130	3.5	9.9	2.4	21	.06	.00	20	.00	2.6	107	.33
10	132	3.3	9.3	3.1	19	.01	.00	15	.00	2.0	162	.19
11	125	2.9	9.0	3.3	17	.00	.00	12	.00	2.1	225	.08
12	114	2.5	8.5	3.5	16	.00	.00	10	.00	2.6	258	.05
13	103	2.2	8.1	3.6	14	.00	.00	10	.00	1.9	245	.14
14	91	1.9	8.2	3.9	13	.18	.00	9.1	.00	1.1	221	.13
15	82	1.6	8.2	4.0	13	.32	.02	7.5	.00	.82	195	.06
16	77	1.3	8.0	4.0	13	.17	.06	6.0	.00	.52	167	.02
17	74	1.1	7.8	4.1	11	.06	.03	4.8	.00	.35	140	.00
18	69	.98	7.2	4.2	9.9	.01	.01	3.9	.00	.28	112	.00
19	63	.87	6.6	4.2	8.7	.00	.00	2.8	.00	.26	87	.00
20	56	.79	6.0	4.1	7.7	.00	.00	1.7	.00	3.7	69	.00
21	49	.74	5.5	3.8	6.7	.00	.00	.89	.00	11	58	.00
22	42	.68	5.1	3.6	5.9	.01	.00	.40	.00	14	52	.00
23	35	.60	4.9	3.5	5.3	.00	.00	.16	.00	15	46	.00
24	28	.49	4.6	3.3	4.8	.00	.06	.07	.00	14	41	.00
25	23	.39	4.3	3.3	4.3	.00	.02	.06	.05	15	37	.00
26	18	.55	4.2	3.8	3.7	.02	7.7	.02	.04	12	31	8.8
27	15	.56	3.9	3.8	3.3	.02	14	.00	.21	11	26	124
28	12	.46	3.7	3.7	2.7	.00	38	.00	.11	11	20	322
29	10	.39	3.5	3.7	---	.00	80	.00	.88	10	15	362
30	9.0	.30	3.3	5.8	---	.00	95	.00	1.3	10	11	349
31	7.7	---	3.0	7.7	---	.00	---	.00	---	8.5	7.8	---
TOTAL	1706.7	63.20	160.23	111.5	387.0	8.64	234.90	572.40	2.59	161.62	2645.8	1190.43
MEAN	55.1	2.11	5.17	3.60	13.8	.28	7.83	18.5	.086	5.21	85.3	39.7
MAX	132	6.6	9.9	7.7	30	2.2	95	90	1.3	15	258	362
MIN	7.7	.30	.30	2.3	2.7	.00	.00	.00	.00	.26	7.8	.00
AC-FT	3390	125	318	221	768	17	466	1140	5.1	321	5250	2360
CFSM	.34	.01	.03	.02	.09	.00	.05	.12	.00	.03	.53	.25
IN.	.40	.01	.04	.03	.09	.00	.05	.13	.00	.04	.62	.28

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1997, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	97.5	23.7	31.0	57.7	81.1	93.3	56.9	19.4	38.0	80.1	159	186																					
MAX	489	112	319	358	408	448	551	309	311	592	1040	593																					
(WY)	1983	1970	1970	1970	1983	1983	1987	1979	1981	1974	1965	1979																					
MIN	.079	.033	.031	.11	2.28	.28	.002	.000	.000	.000	.000	1.90																					
(WY)	1973	1973	1992	1992	1991	1997	1985	1967	1973	1973	1977	1993																					

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1965 - 1997
ANNUAL TOTAL	16226.39	7245.01	
ANNUAL MEAN	44.3	19.8	77.0
HIGHEST ANNUAL MEAN			207
LOWEST ANNUAL MEAN			6.50
HIGHEST DAILY MEAN	225	362	1750
LOWEST DAILY MEAN	.30	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.42	.00	.00
INSTANTANEOUS PEAK FLOW		365	2160
INSTANTANEOUS PEAK STAGE		29.05	34.13
ANNUAL RUNOFF (AC-FT)	32190	14370	55760
ANNUAL RUNOFF (CFSM)	.28	.12	.48
ANNUAL RUNOFF (INCHES)	3.77	1.68	6.54
10 PERCENT EXCEEDS	103	57	220
50 PERCENT EXCEEDS	27	3.3	19
90 PERCENT EXCEEDS	1.8	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.44	26.15	25.21	25.71	26.32	25.63	---	27.89	---	25.33	26.13	25.89
2	27.43	26.08	25.46	25.68	26.57	25.55	---	---	---	25.33	26.44	25.79
3	27.39	26.04	25.52	25.67	26.82	25.46	---	---	---	25.24	26.75	25.72
4	27.28	25.96	25.49	25.70	26.95	25.40	---	---	---	25.14	27.22	25.64
5	27.10	25.90	25.46	25.69	27.02	25.33	---	---	---	25.26	27.43	25.53
6	26.95	25.84	25.47	25.66	27.03	25.27	---	27.29	---	25.62	27.55	25.41
7	27.02	25.80	25.75	25.63	26.95	25.16	---	27.09	---	25.48	27.65	25.27
8	27.92	25.81	26.28	25.61	26.87	25.06	---	26.88	---	25.38	27.86	25.15
9	28.32	25.87	26.34	25.63	26.78	24.96	---	26.67	---	25.55	28.17	25.03
10	28.34	25.85	26.31	25.72	26.69	24.89	---	26.47	---	25.47	28.50	24.94
11	28.29	25.80	26.29	25.74	26.62	---	---	26.28	---	25.47	28.78	24.84
12	28.22	25.74	26.26	25.76	26.55	---	---	26.19	---	25.54	28.91	24.80
13	28.14	25.69	26.24	25.78	26.49	---	---	26.22	---	25.44	28.86	24.90
14	28.05	25.64	26.24	25.81	26.42	25.03	---	26.14	---	25.30	28.77	24.88
15	27.97	25.59	26.24	25.82	26.43	25.18	24.75	26.02	---	25.21	28.66	24.82
16	27.92	25.54	26.22	25.83	26.42	25.08	24.81	25.90	---	25.11	28.53	24.75
17	27.87	25.51	26.20	25.84	26.36	24.98	24.78	25.80	---	25.04	28.38	---
18	27.82	25.46	26.16	25.84	26.28	24.89	24.73	25.71	---	25.00	28.20	---
19	27.73	25.43	26.12	25.84	26.21	---	---	25.58	---	24.98	28.01	---
20	27.62	25.40	26.07	25.83	26.16	---	---	25.41	---	25.60	27.82	---
21	27.49	25.39	26.02	25.80	26.09	---	---	25.24	---	26.27	27.66	---
22	27.34	25.37	25.99	25.78	26.03	24.89	---	25.05	---	26.41	27.54	---
23	27.19	25.34	25.96	25.76	25.98	---	---	24.91	---	26.44	27.41	---
24	27.02	25.30	25.94	25.74	25.94	---	24.81	24.83	---	26.41	27.30	---
25	26.87	25.25	25.91	25.75	25.88	---	24.77	24.82	24.80	26.44	27.19	---
26	26.71	25.31	25.88	25.80	25.83	24.91	25.71	24.76	24.76	26.32	27.05	25.58
27	26.57	25.32	25.86	25.80	25.78	24.91	26.41	---	24.94	26.25	26.87	28.07
28	26.46	25.28	25.82	25.79	25.71	---	27.14	---	24.85	26.27	26.65	28.95
29	26.37	25.25	25.79	25.79	---	---	27.80	---	25.22	26.21	26.44	29.04
30	26.30	25.21	25.77	25.99	---	---	27.93	---	25.34	26.20	26.24	29.01
31	26.22	---	25.74	26.13	---	---	---	---	---	26.10	26.05	---
MEAN	27.40	25.60	25.94	25.77	26.40	---	---	---	---	25.67	27.58	---
MAX	28.34	26.15	26.34	26.13	27.03	---	---	---	---	26.44	28.91	---
MIN	26.22	25.21	25.21	25.61	25.71	---	---	---	---	24.98	26.05	---

CAL YR 1996 MEAN 26.88 MAX 28.77 MIN 25.16

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
02303800 CYPRESS CREEK NEAR SULPHUR SPRINGS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964, 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
FEB 03...	0920	26.81	23	270	6.9	11.0	--	5.5	--
MAR 03...	0910	25.49	1.4	312	5.9	19.0	160	2.3	47
AUG 04...	1145	27.22	38	248	6.6	24.5	--	3.7	--
SEP 17...	0925	24.71	0.01	382	7.6	26.0	280	3.2	61
29...	1050	29.05	365	--	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
FEB 03...	--	--	--	--	--	--	--	--
MAR 03...	3.1	10	1.8	0.90	24	0.10	8.0	238
AUG 04...	--	--	--	--	--	--	--	--
SEP 17...	4.0	11	4.4	4.9	22	0.20	12	302
29...	--	--	--	--	--	--	--	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
FEB 03...	--	<0.010	<0.020	0.020	0.97	0.020	<0.010	--
MAR 03...	--	0.030	0.130	0.170	1.5	0.070	0.050	80
AUG 04...	--	<0.010	<0.020	0.020	1.4	<0.020	0.020	--
SEP 17...	--	0.036	0.170	0.060	3.2	0.100	0.070	100
29...	5	<0.010	<0.020	0.030	0.86	0.020	0.020	--

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LOCATION.--Lat 28°03'15", long 82°21'50", in NW¹/₄ sec.13, T.28 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, on downstream pile of right bent of Fowler Avenue bridge, 0.2 mi downstream from Cow House Creek, 2.0 mi northeast of Temple Terrace, 2.5 mi downstream from Cypress Creek, and 20 mi upstream from mouth.

PERIOD OF RECORD.--October 1933 to December 1939 (published as "near Harney"); January 1961 to current year (gage heights and miscellaneous discharge measurements only), incomplete. January 1961 to October 1979, published as Hillsborough River at Fowler Avenue near Tampa. Records of gage heights prior to October 1962 are available in files of the Geological Survey.

REMARKS.--Stage affected by withdrawal and gate operations at the Tampa Water Department dam during periods of low water.

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.76	22.50	21.74	22.63	22.55	22.46	22.16	22.78	22.02	22.11	22.17	22.10
2	22.72	22.46	21.85	22.59	22.51	22.42	22.11	22.75	21.94	22.16	22.17	22.18
3	22.72	22.42	21.92	22.55	22.49	22.38	22.02	22.73	21.82	22.16	22.21	22.24
4	22.67	22.34	21.97	22.51	22.50	22.36	21.94	22.75	21.64	22.19	22.24	22.29
5	22.62	22.28	22.01	22.49	22.53	22.34	21.85	22.72	21.48	22.41	22.18	22.41
6	22.64	22.21	22.07	22.47	22.53	22.34	21.79	22.70	21.39	22.68	22.20	22.46
7	22.32	22.15	22.28	22.44	22.55	22.33	21.76	22.67	21.37	22.63	22.25	22.50
8	22.18	22.10	22.43	22.41	22.53	22.28	21.81	22.63	21.32	22.63	22.24	22.53
9	22.67	22.04	22.48	22.44	22.47	22.20	21.85	22.58	21.33	22.61	22.35	22.56
10	22.76	21.96	22.54	22.50	22.46	22.15	21.90	22.51	21.37	22.58	22.41	22.58
11	22.79	21.87	22.62	22.51	22.51	22.16	21.89	22.42	21.38	22.62	22.36	22.61
12	22.72	21.79	22.66	22.50	22.54	22.14	21.91	22.39	21.39	22.65	22.41	22.65
13	22.66	21.74	22.70	22.48	22.57	22.10	21.90	22.42	21.42	22.63	22.47	22.58
14	22.60	21.70	22.70	22.48	22.56	22.24	21.95	22.38	21.48	22.65	22.55	22.54
15	22.56	21.64	22.69	22.48	22.63	22.29	22.11	22.31	21.50	22.66	22.43	22.48
16	22.55	21.61	22.68	22.49	22.65	22.29	22.14	22.30	21.51	22.63	22.35	22.43
17	22.63	21.56	22.67	22.48	22.64	22.26	22.13	22.32	21.48	22.64	22.25	22.42
18	22.52	21.51	22.66	22.49	22.60	22.21	22.10	22.32	21.36	22.70	22.25	22.46
19	22.49	21.47	22.67	22.50	22.59	22.16	22.06	22.32	21.23	22.64	22.15	22.46
20	22.57	21.43	22.67	22.51	22.62	22.12	21.99	22.32	21.12	22.58	22.10	22.45
21	22.66	21.45	22.68	22.49	22.63	22.22	21.93	22.28	20.99	22.57	21.98	22.42
22	22.67	21.47	22.66	22.46	22.63	22.25	21.92	22.22	20.88	22.57	21.98	22.39
23	22.67	21.43	22.66	22.43	22.61	22.22	21.97	22.20	20.82	22.34	21.84	22.40
24	22.68	21.36	22.67	22.41	22.58	22.17	22.02	22.30	21.06	22.07	21.87	22.53
25	22.68	21.30	22.66	22.42	22.57	22.17	21.97	22.37	21.20	22.09	22.01	22.56
26	22.66	21.34	22.69	22.42	22.55	22.27	22.40	22.38	21.24	22.07	22.04	22.93
27	22.64	21.41	22.73	22.43	22.52	22.30	22.67	22.37	21.55	22.13	21.99	23.12
28	22.62	21.47	22.76	22.43	22.49	22.29	22.69	22.35	21.68	22.12	22.13	23.91
29	22.59	21.57	22.75	22.42	---	22.24	22.78	22.37	21.92	22.15	22.23	24.65
30	22.55	21.67	22.71	22.47	---	22.18	22.79	22.29	22.03	22.12	22.22	24.20
31	22.53	---	22.68	22.52	---	22.15	---	22.16	---	22.10	22.14	---
MEAN	22.62	21.77	22.51	22.48	22.56	22.25	22.08	22.44	21.43	22.42	22.20	22.67
MAX	22.79	22.50	22.76	22.63	22.65	22.46	22.79	22.78	22.03	22.70	22.55	24.65
MIN	22.18	21.30	21.74	22.41	22.46	22.10	21.76	22.16	20.82	22.07	21.84	22.10
CAL YR 1996	MEAN 22.52	MAX 23.72	MIN 21.30									
WTR YR 1997	MEAN 22.29	MAX 24.65	MIN 20.82									

LOCATION.--Lat 28°01'25", long 82°25'40", in NW¹/₄ 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.

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 ft³/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 back-water prior to failure of Tampa power dam, 2.1 mi below former gage. A discharge of 16,500 ft³/s, was measured Sept. 9, 1933.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	.20	.20	.34	.20	.20	.20	92	.20	.20	256	21
2	47	.20	.20	.20	.20	.20	.20	86	.20	.20	232	.20
3	76	.20	.20	.20	.20	.20	.20	58	.20	.20	306	.20
4	107	.20	.20	.20	.20	.20	.20	27	.20	.20	415	.20
5	41	.20	.20	.20	.20	.20	.20	22	.20	1.1	382	.20
6	44	.20	.20	.20	.20	.20	.20	13	.20	110	336	.20
7	791	.20	133	.20	.20	.20	.20	3.9	.20	26	364	.20
8	.20	.20	119	.20	.20	.20	.20	.36	.20	29	480	.20
9	105	.20	.20	.20	.20	.20	.20	.20	.20	16	567	.20
10	358	.20	.20	.20	.20	.20	.20	.20	.20	.20	747	.20
11	633	.20	.26	.20	.20	.20	.20	.20	.20	76	811	18
12	620	.20	2.5	.20	.20	.20	.20	.20	.20	82	993	60
13	386	.20	9.9	.20	.20	.20	.20	.20	.20	19	1120	18
14	323	.20	13	.20	.20	.20	.20	.20	.20	41	1250	.20
15	245	.20	8.0	.20	.39	.20	.20	.20	.20	17	1080	.20
16	126	.20	6.9	.20	1.3	.20	.20	.20	.20	16	1030	.20
17	500	.20	4.6	.20	.60	.20	.20	.20	.20	9.0	939	.20
18	183	.20	1.9	.20	.20	.20	.20	.20	.20	14	827	.20
19	113	.20	1.3	.20	.21	.20	.20	.20	.20	139	790	.20
20	.20	.20	3.9	.20	.24	.20	.20	.20	.20	157	768	.20
21	3.3	.20	5.1	.20	.22	.20	.20	.20	.20	59	687	.20
22	53	.20	3.2	.20	.20	.20	.20	.20	.20	120	702	.20
23	3.7	.20	3.5	.20	.20	.20	.20	.20	.20	328	525	.20
24	6.0	.20	2.9	.20	.20	.20	.20	.20	.20	155	326	.20
25	6.9	.20	2.0	.20	.20	.20	.20	.20	.20	177	288	.20
26	3.4	.20	10	.20	.20	.20	33	.20	.20	161	289	1230
27	.70	.20	26	.20	.20	.20	22	.20	.20	135	218	1960
28	.20	.20	36	.20	.20	.20	299	.20	.20	135	131	1980
29	.20	.20	31	.20	---	.20	77	.20	.20	188	132	2740
30	.20	.20	17	.20	---	.20	97	.20	.20	207	132	1950
31	.20	---	4.9	.20	---	.20	---	.20	---	154	126	---
TOTAL	5066.20	6.00	447.46	6.34	7.36	6.20	533.00	306.86	6.00	2572.10	17249	9981.20
MEAN	163	.20	14.4	.20	.26	.20	17.8	9.90	.20	83.0	556	333
MAX	791	.20	133	.34	1.3	.20	299	92	.20	328	1250	2740
MIN	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	126	.20
AC-FT	10050	12	888	13	15	12	1060	609	12	5100	34210	19800

MEAN	610	189	183	269	297	492	297	81.6	209	622	1085	1137
MAX	2795	805	1795	1399	1657	4926	2022	740	1853	4647	5011	4371
(WY)	1954	1960	1954	1964	1964	1960	1959	1959	1959	1945	1945	1953
MIN	.17	.10	.050	.025	.020	.020	.020	.014	.000	.10	.20	56.8
(WY)	1973	1992	1992	1992	1992	1992	1992	1985	1985	1993	1993	1990

WATER YEARS 1939 - 1997

	WATER YEAR 1999		WATER YEAR 1999		WATER YEAR 1999		WATER YEAR 1999	
ANNUAL TOTAL	91942.84		36187.72					
ANNUAL MEAN	251		99.1					
HIGHEST ANNUAL MEAN					457		1960	
LOWEST ANNUAL MEAN					53.3		1990	
HIGHEST DAILY MEAN	2300	Feb 9	2740	Sep 29	13500		Mar 21	1960
LOWEST DAILY MEAN	.20	May 13	.20	Oct 8	.00		Many	Days
ANNUAL SEVEN-DAY MINIMUM	.20	May 13	.20	Oct 28	.00		Jan 1	1985
INSTANTANEOUS PEAK FLOW			2740	Sep 30	14600		Mar 21	1960
INSTANTANEOUS PEAK STAGE			23.07	Sep 26	23.07		Sep 26	1997
ANNUAL RUNOFF (AC-FT)	182400		71780		331100			
10 PERCENT EXCEEDS	725		294		1280			
50 PERCENT EXCEEDS	102		.20		149			
90 PERCENT EXCEEDS	.20		.20		.20			

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.65	22.41	21.66	22.54	22.46	22.38	22.08	22.66	21.93	22.03	22.03	22.02
2	22.64	22.37	21.77	22.49	22.43	22.34	22.04	22.65	21.85	22.07	22.01	22.10
3	22.63	22.32	21.85	22.46	22.40	22.29	21.94	22.63	21.72	22.08	22.04	22.15
4	22.58	22.26	21.90	22.42	22.42	22.27	21.86	22.65	21.55	22.11	22.03	22.22
5	22.54	22.20	21.94	22.40	22.44	22.26	21.77	22.64	21.39	22.33	21.97	22.34
6	22.56	22.13	21.99	22.38	22.45	22.25	21.71	22.62	21.29	22.59	22.01	22.39
7	22.15	22.06	22.21	22.35	22.47	22.25	21.68	22.59	21.28	22.54	22.06	22.43
8	22.00	22.00	22.31	22.32	22.43	22.21	21.74	22.54	21.24	22.55	22.01	22.46
9	22.53	21.95	22.39	22.34	22.38	22.12	21.78	22.48	21.27	22.52	22.06	22.48
10	22.57	21.86	22.45	22.41	22.37	22.06	21.83	22.42	21.30	22.49	22.04	22.49
11	22.58	21.78	22.53	22.42	22.42	22.08	21.82	22.34	21.31	22.53	21.94	22.53
12	22.50	21.70	22.58	22.41	22.46	22.07	21.82	22.30	21.30	22.55	21.83	22.56
13	22.46	21.67	22.61	22.40	22.48	22.03	21.82	22.33	21.33	22.54	21.74	22.49
14	22.42	21.62	22.62	22.40	22.47	22.16	21.87	22.28	21.39	22.57	21.67	22.46
15	22.42	21.58	22.61	22.40	22.54	22.21	22.04	22.22	21.41	22.57	21.50	22.41
16	22.43	21.56	22.60	22.39	22.57	22.21	22.07	22.23	21.42	22.54	21.54	22.35
17	22.50	21.49	22.59	22.39	22.56	22.19	22.04	22.25	21.38	22.56	21.48	22.35
18	22.39	21.43	22.57	22.40	22.52	22.14	22.01	22.25	21.26	22.62	21.62	22.38
19	22.38	21.38	22.57	22.42	22.51	22.07	21.97	22.25	21.13	22.54	21.55	22.38
20	22.48	21.34	22.59	22.43	22.55	22.03	21.90	22.23	21.03	22.48	21.54	22.37
21	22.58	21.36	22.59	22.40	22.54	22.14	21.84	22.19	20.91	22.48	21.46	22.34
22	22.58	21.40	22.58	22.37	22.53	22.16	21.83	22.14	20.79	22.47	21.54	22.30
23	22.59	21.35	22.59	22.34	22.53	22.13	21.86	22.13	20.75	22.22	21.47	22.30
24	22.60	21.28	22.58	22.32	22.51	22.10	21.93	22.23	21.00	21.96	21.60	22.43
25	22.60	21.20	22.57	22.33	22.50	22.10	21.90	22.29	21.13	21.98	21.82	22.45
26	22.58	21.25	22.61	22.34	22.47	22.19	22.30	22.29	21.17	21.95	21.87	22.62
27	22.56	21.33	22.65	22.35	22.44	22.22	22.58	22.28	21.49	22.01	21.84	21.89
28	22.54	21.41	22.67	22.34	22.41	22.21	22.56	22.27	21.62	22.01	22.01	21.82
29	22.50	21.52	22.66	22.34	---	22.15	22.66	22.30	21.85	22.03	22.11	21.97
30	22.46	21.60	22.63	22.38	---	22.09	22.67	22.21	21.95	21.99	22.11	21.79
31	22.44	---	22.59	22.43	---	22.06	---	22.07	---	21.98	22.04	---
MEAN	22.50	21.69	22.42	22.39	22.47	22.17	22.00	22.35	21.35	22.32	21.82	22.31
MAX	22.65	22.41	22.67	22.54	22.57	22.38	22.67	22.66	21.95	22.62	22.11	22.62
MIN	22.00	21.20	21.66	22.32	22.37	22.03	21.68	22.07	20.75	21.95	21.46	21.79
CAL YR 1996	MEAN	22.32	MAX	22.70	MIN	21.20						
WTR YR 1997	MEAN	22.15	MAX	22.67	MIN	20.75						

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL

LOCATION.--Lat 28°01'15", long 82°26'05", in NE¹/₄ 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 mi², approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--December 1996 to September 1997 (gage heights only).

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

REMARKS.--Records good.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 5.27 ft, Apr. 28; minimum 2.19 ft below NGVD, Mar. 7.

GAGE HEIGHT, FEET, PERIOD DECEMBER 1996 TO SEPTEMBER 1997

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	1.33	-.52	1.50	-1.14	1.92	-.74
2	---	---	---	---	---	---	1.39	-.48	1.46	-.99	1.84	-.67
3	---	---	---	---	---	---	1.43	-.81	1.48	-1.16	1.74	-.90
4	---	---	---	---	---	---	1.87	-1.04	2.03	-1.53	1.51	-1.04
5	---	---	---	---	---	---	1.90	-.94	2.10	-1.49	1.92	-1.40
6	---	---	---	---	---	---	2.01	-1.19	2.02	-1.59	1.92	-1.25
7	---	---	---	---	---	---	2.22	-1.25	2.10	-1.45	1.11	-2.19
8	---	---	---	---	---	---	2.24	-1.55	2.41	-1.02	1.62	-1.33
9	---	---	---	---	---	---	2.87	-.74	1.56	-1.69	1.85	-1.32
10	---	---	---	---	---	---	2.77	-1.78	1.14	-1.17	2.01	-1.00
11	---	---	---	---	---	---	2.11	-1.20	1.01	-1.34	1.77	-1.01
12	---	---	---	---	---	---	1.27	-1.61	1.44	-1.00	1.64	-1.03
13	---	---	---	---	---	---	.24	-2.03	2.34	-.81	2.26	-1.10
14	---	---	---	---	---	---	.89	-1.53	2.13	-.29	2.48	-.20
15	---	---	---	---	---	---	1.83	-.88	1.03	-.61	1.83	-.56
16	---	---	---	---	---	---	1.52	-.13	.55	-2.06	.93	-1.31
17	---	---	---	---	---	---	.79	-1.82	.21	-2.09	1.38	-1.49
18	---	---	---	---	---	---	.41	-1.76	1.13	-2.07	1.47	-1.08
19	---	---	---	---	---	---	1.74	-1.73	1.31	-1.51	1.59	-.76
20	---	---	---	---	---	---	1.83	-1.36	1.56	-1.33	1.83	-.83
21	---	---	---	---	---	---	1.79	-1.46	1.86	-.99	2.25	-.51
22	---	---	---	---	---	---	1.66	-1.51	2.03	-.85	1.90	-.57
23	---	---	---	---	---	---	1.92	-1.37	1.38	-1.44	1.78	-.71
24	---	---	---	---	2.07	-1.19	1.89	-1.24	.69	-1.88	1.40	-1.13
25	---	---	---	---	1.97	-1.41	2.14	-.96	1.27	-1.03	1.84	-.71
26	---	---	---	---	1.52	-1.35	1.18	-2.04	1.70	-.73	1.97	-.95
27	---	---	---	---	1.92	-1.29	1.17	-1.21	2.01	-.40	1.87	-1.02
28	---	---	---	---	1.62	-1.22	1.26	-.78	1.76	-.59	2.06	-1.02
29	---	---	---	---	1.47	-1.01	1.58	-1.11	---	---	2.01	-.99
30	---	---	---	---	1.12	-1.17	.93	-.67	---	---	1.74	-1.22
31	---	---	---	---	1.24	-.91	.85	-.90	---	---	1.12	-.76
MONTH	---	---	---	---	---	---	2.87	-2.04	2.41	-2.09	2.48	-2.19

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

GAGE HEIGHT, FEET, PERIOD DECEMBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	1.12	-2.04	1.80	-.42	2.73	-.32	2.00	-1.15	2.28	-.05	2.40	-.98
2	1.22	-1.57	1.98	-.40	2.16	-.90	2.19	-.97	2.91	-.13	2.35	-.55
3	1.75	-1.46	2.82	-.13	2.18	-1.24	2.44	-1.19	2.81	.20	2.68	-.35
4	1.91	-.98	2.05	-1.20	2.34	-1.17	2.59	-1.06	2.63	.43	2.11	-.74
5	2.15	-.78	1.21	-1.32	2.55	-1.11	3.70	-1.24	2.39	.31	1.41	-.80
6	2.31	-.63	2.20	-1.19	2.18	-1.42	2.54	-1.35	2.19	.05	1.35	-.74
7	2.30	-1.14	2.29	-1.35	2.15	-1.55	1.98	-1.04	2.37	.05	1.60	-.53
8	1.62	-1.56	2.61	-1.12	2.02	-1.56	2.09	-1.05	2.14	.48	1.96	-.33
9	1.66	-1.48	2.29	-1.17	2.11	-1.02	1.76	-.87	2.93	.45	2.15	-.32
10	1.66	-1.48	2.00	-1.19	1.49	-1.08	1.67	-.71	2.45	1.13	2.06	-.45
11	2.45	-1.32	1.88	-1.34	1.71	-1.14	1.69	-.36	2.60	1.21	2.31	-.35
12	2.35	-.81	2.49	-1.02	1.73	-.76	1.68	-.19	2.32	1.66	2.26	-.56
13	1.63	-.98	1.50	-.33	2.04	.24	1.60	-.29	2.84	1.89	2.44	-.89
14	.44	-1.12	1.32	-.72	2.25	-.11	1.89	-.20	3.53	2.23	2.51	-.87
15	.33	-1.63	1.39	-.78	2.41	-.30	2.09	-.83	3.39	1.87	2.69	-.63
16	.94	-1.35	1.46	-.77	1.99	-.61	1.93	-1.27	3.24	2.18	2.80	-.54
17	1.38	-.88	1.36	-.68	2.18	-.69	2.24	-1.24	3.32	1.39	2.49	-.61
18	1.52	-1.24	1.55	-.98	2.31	-1.04	2.52	-1.22	3.24	1.51	2.15	-.83
19	1.47	-.57	1.93	-1.02	2.20	-1.37	2.65	-.74	3.22	1.36	1.99	-.94
20	1.59	-.59	2.12	-1.24	2.33	-1.43	3.33	-.96	3.00	1.36	2.09	-.98
21	2.17	-.64	1.87	-1.42	2.19	-1.54	2.80	-.83	2.67	1.20	2.07	-.80
22	2.30	-.59	---	---	2.22	-1.39	2.51	-.83	2.98	1.09	1.85	-.76
23	4.28	-.12	---	---	2.98	-1.39	2.92	-.38	2.20	.78	2.61	-.58
24	1.94	-1.19	---	---	3.22	-1.33	2.09	-.16	2.12	.12	1.94	-.30
25	2.28	-1.05	---	---	2.46	-1.26	1.77	-.24	1.85	-.04	1.96	-.10
26	2.73	-1.05	2.37	-.91	2.09	-1.09	1.69	-.27	1.70	-.09	---	---
27	3.11	-.59	1.75	-1.10	1.63	-.71	1.95	-.26	2.03	-.55	---	---
28	5.27	-.12	1.39	-1.34	1.79	-.71	1.98	-.38	2.15	-.52	---	---
29	1.63	.20	1.15	-1.53	1.97	-.68	2.07	-.30	2.18	-.56	---	---
30	1.65	-.57	1.46	-1.09	2.01	-1.04	2.19	-.39	2.28	-.62	---	---
31	---	---	1.80	-.80	---	---	2.42	-.67	2.23	-.56	---	---
MONTH	5.27	-2.04	---	---	3.22	-1.56	3.70	-1.35	3.53	-.62	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1996 to September 1997.

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 CURRENT PERIOD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 16,000 microsiemens, Feb. 8, bottom probe maximum, 16,200 microsiemens, Feb. 8; top probe minimum, 111 microsiemens, Sept. 30; bottom probe minimum, 114 microsiemens, Sept. 30.

TEMPERATURE.--Top probe maximum, 32.9°C, June 18; bottom probe maximum, 31.4°C, June 17; top probe minimum, 9.9°C, June 18; bottom probe minimum, 12.4°C, Jan. 19.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD DECEMBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	636	408	12100	11600	8600	6800
2	---	---	---	---	---	---	2460	460	11800	11000	8610	7170
3	---	---	---	---	---	---	4410	746	11800	10800	8410	7210
4	---	---	---	---	---	---	6380	1510	13400	10800	8320	7190
5	---	---	---	---	---	---	7440	2910	14700	11500	8080	7060
6	---	---	---	---	---	---	8330	4050	15300	12200	8080	7050
7	---	---	---	---	---	---	9190	5350	15600	13000	8410	6830
8	---	---	---	---	---	---	10400	6290	16000	13500	9420	7320
9	---	---	---	---	---	---	11300	8180	15200	13600	10400	7600
10	---	---	---	---	---	---	11300	8150	14700	13600	11000	8960
11	---	---	---	---	---	---	10600	8130	14000	13400	10800	9230
12	---	---	---	---	---	---	9820	8100	13700	12900	10400	9260
13	---	---	---	---	---	---	9110	7560	13300	12700	10500	9140
14	---	---	---	---	---	---	9120	7690	13000	12500	9810	3100
15	---	---	---	---	---	---	9420	7520	12700	7130	7730	6240
16	---	---	---	---	---	---	10100	7780	7860	4150	7510	6740
17	---	---	---	---	---	---	9780	8090	7020	1680	8330	7010
18	---	---	---	---	---	---	9420	8530	6780	1760	10200	7000
19	---	---	---	---	---	---	10800	8580	8770	3690	11100	8050
20	---	---	---	---	---	---	11800	8000	8540	4860	11600	8630
21	---	---	---	---	---	---	13200	8990	9160	6230	12100	10800
22	---	---	---	---	---	---	15000	9910	9330	6440	11200	10400
23	---	---	---	---	---	---	15500	11200	8610	5080	11300	10700
24	---	---	---	---	7080	701	15300	12100	6740	3760	11100	10500
25	---	---	---	---	7650	1250	15300	11400	7290	4100	11600	9250
26	---	---	---	---	7500	998	13500	12600	8010	5010	9580	8580
27	---	---	---	---	6880	521	13400	11400	8340	6580	9510	8790
28	---	---	---	---	584	400	13100	11500	8330	6530	9460	8950
29	---	---	---	---	415	394	12900	12100	---	---	9240	8960
30	---	---	---	---	408	394	12600	12000	---	---	9130	8840
31	---	---	---	---	411	393	12300	11900	---	---	9020	8700
MONTH	---	---	---	---	---	---	15500	408	16000	1680	12100	3100

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD DECEMBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	8760	8200	451	435	7910	6280	4510	3030	336	330	250	236
2	8980	8420	447	439	7900	6080	4700	4010	336	330	294	250
3	12500	8580	448	431	8150	6540	5610	4400	338	329	910	278
4	13800	9220	448	422	8400	6900	7120	3040	336	329	1360	415
5	14800	11000	436	411	9190	7090	7370	2090	329	311	1800	703
6	15100	12500	428	406	9530	7450	3170	312	313	304	2350	1050
7	14800	11800	441	417	9920	7500	338	324	304	291	3620	1130
8	12900	12200	994	430	10400	7310	382	316	296	278	4800	1780
9	12500	12000	1730	510	10300	7970	322	307	281	264	5360	2550
10	12400	12000	2510	741	10400	8450	363	321	271	259	6430	3110
11	12600	12100	3160	1210	12100	9240	392	303	265	251	7500	805
12	12600	11500	4430	1690	12600	9830	316	306	257	237	805	262
13	13200	11400	4670	2230	12600	11000	337	315	238	233	798	262
14	12600	6330	4640	2150	12800	11000	350	313	235	219	2630	493
15	9570	4760	4920	2630	12600	10900	337	313	219	211	5100	1700
16	11300	8940	5730	3120	12000	10900	344	322	215	208	6710	3000
17	12500	10000	7300	4010	11600	10600	461	341	209	202	7330	4160
18	12700	10300	8680	5350	11800	10700	353	317	203	198	7270	4640
19	12600	11400	10100	6910	12100	10800	331	313	200	197	7260	5300
20	13400	11900	10800	7970	12000	11200	325	308	208	197	7320	5420
21	14100	12200	10700	8530	12500	11200	321	316	209	202	7380	5730
22	14500	12400	---	---	12600	11300	321	305	209	203	7190	5790
23	14400	11600	---	---	12600	7250	307	303	208	203	7580	4820
24	11700	11100	---	---	9290	4500	313	305	210	206	6470	5140
25	11600	11000	---	---	7130	6780	311	306	215	208	6980	5550
26	11300	870	7070	6740	6920	2110	315	308	228	214	6950	281
27	870	565	6920	6780	5990	5070	319	313	227	210	289	251
28	660	409	6890	6260	5580	2000	321	317	230	221	251	166
29	490	439	6320	5920	3910	2930	327	320	237	227	166	112
30	456	415	6020	5890	4170	3730	325	317	239	234	116	111
31	---	---	6820	5800	---	---	336	323	239	233	---	---
MONTH	15100	409	---	---	12800	2000	7370	303	338	197	7580	111

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD DECEMBER 1996 TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	793	355	12200	11700	8630	8220
2	---	---	---	---	---	---	2860	472	11800	11400	8490	8190
3	---	---	---	---	---	---	4650	2420	12000	11200	8430	8120
4	---	---	---	---	---	---	6360	4510	14300	11400	8300	7980
5	---	---	---	---	---	---	7630	6150	14900	13700	8070	7480
6	---	---	---	---	---	---	8210	7380	15400	14100	8040	7320
7	---	---	---	---	---	---	9290	7720	15700	14600	8350	6920
8	---	---	---	---	---	---	10400	8750	16200	14700	9230	7450
9	---	---	---	---	---	---	11100	9930	15200	14100	10300	9090
10	---	---	---	---	---	---	11600	9190	14800	13800	10800	9660
11	---	---	---	---	---	---	10700	9210	14100	13600	10500	9840
12	---	---	---	---	---	---	9920	8820	13800	13500	10400	9790
13	---	---	---	---	---	---	9180	8570	13500	13200	10500	9930
14	---	---	---	---	---	---	9220	8790	13300	13000	10100	7180
15	---	---	---	---	---	---	9860	8760	13100	11500	8280	7530
16	---	---	---	---	---	---	10500	9580	11500	8720	7530	7020
17	---	---	---	---	---	---	10300	8750	8760	7150	8780	6940
18	---	---	---	---	---	---	10100	8910	7580	5660	10300	7810
19	---	---	---	---	---	---	11600	8930	9210	6950	11200	9460
20	---	---	---	---	---	---	12900	11400	9160	7720	11600	10500
21	---	---	---	---	---	---	14500	12300	9360	8630	11900	11100
22	---	---	---	---	---	---	15800	14200	9790	8510	11200	10700
23	---	---	---	---	---	---	16100	14900	8930	7630	11200	10600
24	---	---	---	---	6630	5300	15600	14600	7640	6490	10900	10300
25	---	---	---	---	7110	6450	15500	13700	7620	6450	11300	10100
26	---	---	---	---	7130	6100	13700	12600	8240	7130	10100	8880
27	---	---	---	---	6680	1350	13600	13000	8430	7780	9440	8810
28	---	---	---	---	2210	422	13400	12900	8460	7860	9480	8820
29	---	---	---	---	424	368	13100	12600	---	---	9330	8860
30	---	---	---	---	373	357	12900	12400	---	---	9160	8710
31	---	---	---	---	360	354	12400	12100	---	---	8910	8720
MONTH	---	---	---	---	---	---	16100	355	16200	5660	11900	6920

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	8770	8390	597	538	7920	6640	4900	4090	349	308	257	239
2	9300	8240	542	495	8010	7190	5000	4270	344	307	295	255
3	12500	8310	516	441	8300	7570	5930	4550	347	309	1100	293
4	13800	11600	501	432	8460	7600	7470	4680	367	325	1640	492
5	14600	13600	443	419	9300	7080	7150	3030	349	310	2050	1080
6	15000	14100	447	413	9770	7590	3690	1320	343	311	2870	1350
7	14700	13400	452	414	10100	9270	1320	696	338	300	3920	2610
8	13400	12300	1050	432	10500	9400	709	506	339	281	5150	3740
9	12400	11800	1860	872	10500	9300	531	427	312	273	5910	5120
10	12200	11700	2540	1620	11700	9510	474	416	294	263	7080	5890
11	12400	11700	3280	2250	12800	11200	486	355	290	258	8250	4650
12	12700	11700	4590	2470	13100	11100	426	351	267	241	4810	371
13	13300	12200	4850	4280	13200	10900	405	344	246	235	763	319
14	13400	10900	4960	4850	13500	12500	398	336	237	222	3140	763
15	10900	9290	5230	4880	---	---	387	339	223	217	5570	2380
16	11500	9690	6470	5120	---	---	372	315	220	214	6950	5260
17	12700	11400	8010	6460	---	---	659	325	217	209	7560	5990
18	12800	12000	9010	7860	---	---	390	325	217	199	7610	6420
19	12800	12300	10100	9010	---	---	375	319	200	196	7530	6530
20	13300	12600	10800	9410	---	---	362	320	204	197	7650	6900
21	13900	13100	10700	9040	12600	11900	379	321	208	201	7560	6990
22	14500	13600	---	---	12900	12000	340	307	209	203	7360	6990
23	14100	12300	---	---	12900	11400	344	298	207	202	7880	5960
24	12400	11100	---	---	11400	8620	351	300	212	206	6920	5660
25	11600	11100	---	---	8630	7200	343	312	216	208	7720	6890
26	11300	3850	7030	6760	7260	3500	359	312	225	212	7500	325
27	3850	1520	6790	6640	6600	5620	350	308	224	215	343	256
28	1570	867	6700	6270	5850	2520	362	301	232	195	256	171
29	938	725	6320	5840	4100	3370	350	302	234	228	171	115
30	725	582	5900	5760	4480	3960	344	303	239	234	118	114
31	---	---	6640	5750	---	---	333	305	242	234	---	---
MONTH	15000	582	---	---	---	---	7470	298	367	195	8250	114

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD DECEMBER 1996 TO SEPTEMBER 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	21.5	20.4	19.4	17.8	25.0	23.7
2	---	---	---	---	---	---	21.7	20.5	18.9	17.3	25.2	24.1
3	---	---	---	---	---	---	21.6	20.4	19.1	17.3	25.6	24.6
4	---	---	---	---	---	---	21.5	20.1	20.1	17.9	25.8	24.9
5	---	---	---	---	---	---	21.7	20.4	21.1	19.2	25.8	24.5
6	---	---	---	---	---	---	22.6	20.9	21.8	20.1	26.2	24.5
7	---	---	---	---	---	---	22.6	20.8	22.6	20.7	25.0	22.3
8	---	---	---	---	---	---	22.6	21.2	22.7	21.8	24.1	21.8
9	---	---	---	---	---	---	23.4	21.5	22.5	20.4	24.2	22.2
10	---	---	---	---	---	---	22.1	17.0	20.9	19.1	25.0	22.9
11	---	---	---	---	---	---	20.5	16.0	19.8	18.4	25.1	23.7
12	---	---	---	---	---	---	19.3	13.7	19.1	17.6	25.0	23.7
13	---	---	---	---	---	---	18.1	11.4	20.5	18.5	25.1	24.4
14	---	---	---	---	---	---	18.1	13.3	21.5	20.1	25.0	21.8
15	---	---	---	---	---	---	18.2	15.0	22.6	20.6	24.6	22.9
16	---	---	---	---	---	---	19.2	17.6	20.6	18.2	24.1	22.9
17	---	---	---	---	---	---	18.0	14.9	20.4	17.2	23.5	22.3
18	---	---	---	---	---	---	15.9	9.9	20.5	17.3	24.0	22.6
19	---	---	---	---	---	---	14.4	11.3	22.5	19.4	24.5	22.9
20	---	---	---	---	---	---	15.1	12.0	22.6	20.7	24.2	23.0
21	---	---	---	---	---	---	16.0	11.8	23.3	21.5	24.7	23.7
22	---	---	---	---	---	---	17.3	12.9	24.1	22.5	25.1	22.9
23	---	---	---	---	---	---	19.2	15.2	23.8	22.2	24.6	23.3
24	---	---	---	---	17.2	14.8	20.8	16.4	23.4	20.0	24.7	23.0
25	---	---	---	---	17.7	15.9	20.4	18.7	23.0	21.1	24.9	23.7
26	---	---	---	---	18.0	15.4	19.7	17.8	23.1	22.2	25.1	24.0
27	---	---	---	---	18.9	16.4	20.9	17.4	24.2	22.7	25.5	24.1
28	---	---	---	---	20.2	17.3	21.4	19.0	24.6	23.3	26.3	24.5
29	---	---	---	---	20.6	18.2	20.8	19.5	---	---	26.4	24.9
30	---	---	---	---	21.5	19.2	20.7	19.8	---	---	26.2	24.9
31	---	---	---	---	21.0	20.1	20.1	19.0	---	---	26.3	25.3
MONTH	---	---	---	---	---	---	23.4	9.9	24.6	17.2	26.4	21.8

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	25.9	23.3	25.9	23.7	28.1	27.1	30.6	28.5	30.1	29.1	28.9	28.1
2	24.5	21.8	27.1	24.1	28.6	26.7	31.2	28.5	30.1	29.5	30.1	28.1
3	24.2	21.8	27.6	26.2	29.6	26.2	32.3	29.0	29.7	29.0	30.6	28.5
4	25.4	21.8	28.7	26.2	28.6	26.6	32.3	29.5	29.2	28.5	30.3	28.5
5	25.6	22.6	27.6	24.1	28.5	26.7	30.4	26.2	28.6	28.1	29.6	28.1
6	26.2	23.7	28.1	24.2	29.0	26.7	30.1	26.2	28.6	28.1	28.5	27.1
7	26.3	24.9	28.1	24.5	28.8	26.5	32.3	28.5	28.6	27.6	28.1	26.7
8	25.9	24.1	28.1	26.0	28.1	26.2	31.2	29.5	29.6	27.9	29.6	26.7
9	25.1	24.1	28.1	25.8	28.3	26.7	30.0	28.5	29.5	28.1	30.1	26.9
10	25.0	23.7	28.0	26.2	27.9	26.7	30.1	28.5	29.6	28.1	31.2	27.6
11	24.7	23.3	27.6	25.8	28.0	26.7	30.6	28.8	29.1	28.1	31.2	28.1
12	24.8	23.0	26.4	24.5	29.0	27.1	30.1	29.0	29.6	28.0	30.1	28.0
13	25.0	23.7	26.2	24.9	29.0	28.1	31.2	28.5	29.1	28.1	30.6	28.1
14	25.0	20.0	27.1	24.9	30.1	28.1	31.2	28.5	29.1	28.5	30.5	28.0
15	21.6	18.9	28.1	24.9	31.2	28.1	31.7	28.1	28.6	28.1	29.6	27.8
16	21.9	20.4	26.7	25.5	32.3	28.6	31.2	28.5	29.1	28.0	29.6	27.1
17	23.4	20.8	26.2	24.9	32.3	29.4	30.6	28.5	29.6	27.6	30.1	27.5
18	23.0	20.4	27.1	24.4	32.9	29.6	31.2	28.5	29.6	28.4	30.1	27.6
19	23.0	20.5	28.6	25.5	32.3	30.1	30.1	28.6	29.1	28.4	29.6	28.1
20	24.2	20.8	29.6	26.2	32.2	29.6	29.6	28.5	29.4	28.5	29.6	28.1
21	24.4	21.8	30.2	26.9	30.7	29.0	30.1	28.0	29.6	28.6	30.3	28.5
22	26.1	22.9	---	---	30.6	29.0	30.6	28.5	29.6	28.4	30.9	28.3
23	24.9	22.9	---	---	30.6	27.6	30.6	29.0	29.8	28.5	30.6	28.1
24	24.9	22.5	---	---	29.0	28.0	31.2	29.2	30.1	28.5	30.6	27.7
25	24.9	22.9	---	---	29.6	28.1	30.6	29.1	30.1	28.1	29.6	28.1
26	24.6	20.1	29.6	27.4	30.1	26.2	30.6	29.5	30.1	28.0	28.6	27.2
27	26.2	23.3	30.1	28.1	30.1	27.6	30.6	29.5	30.1	28.0	27.3	26.2
28	25.8	24.2	30.1	28.1	30.1	28.0	30.6	29.5	30.0	27.7	26.4	25.8
29	24.9	23.0	29.1	27.1	30.9	27.7	30.6	29.5	29.6	27.6	26.2	25.8
30	25.2	23.3	29.1	27.0	30.6	28.5	30.6	29.5	29.6	27.6	26.2	25.8
31	---	---	29.6	27.1	---	---	30.6	29.4	30.1	28.0	---	---
MONTH	26.3	18.9	---	---	32.9	26.2	32.3	26.2	30.1	27.6	31.2	25.8

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

HILLSBOROUGH RIVER BASIN

02304510 HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD DECEMBER 1996 TO SEPTEMBER 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	21.1	20.1	19.2	17.6	24.7	23.7
2	---	---	---	---	---	---	21.4	20.4	18.9	17.4	25.1	23.8
3	---	---	---	---	---	---	21.4	20.6	19.2	17.3	25.2	24.5
4	---	---	---	---	---	---	21.3	20.4	20.1	18.0	25.4	24.9
5	---	---	---	---	---	---	21.3	20.5	20.9	19.7	25.4	24.5
6	---	---	---	---	---	---	21.7	21.2	21.6	20.5	25.7	24.5
7	---	---	---	---	---	---	22.1	21.5	22.2	21.5	25.1	22.3
8	---	---	---	---	---	---	22.4	21.7	22.7	21.8	23.9	21.9
9	---	---	---	---	---	---	22.8	21.7	22.3	20.4	24.2	22.9
10	---	---	---	---	---	---	21.8	20.1	21.2	19.4	24.7	23.3
11	---	---	---	---	---	---	20.3	19.1	19.8	18.6	25.1	23.7
12	---	---	---	---	---	---	19.2	17.3	19.2	17.6	25.2	23.7
13	---	---	---	---	---	---	18.3	16.7	20.1	18.5	25.2	24.1
14	---	---	---	---	---	---	18.1	16.5	21.5	19.8	25.1	22.2
15	---	---	---	---	---	---	18.5	17.0	22.0	21.1	24.5	22.9
16	---	---	---	---	---	---	19.3	18.1	21.9	20.5	24.0	22.8
17	---	---	---	---	---	---	18.9	15.9	20.6	20.1	23.6	21.9
18	---	---	---	---	---	---	16.7	13.8	20.6	19.1	23.9	22.6
19	---	---	---	---	---	---	15.2	12.4	21.8	20.1	24.0	23.3
20	---	---	---	---	---	---	15.8	14.2	22.1	21.1	24.0	23.4
21	---	---	---	---	---	---	16.5	14.8	23.0	21.8	24.3	23.7
22	---	---	---	---	---	---	17.7	16.1	23.5	22.6	24.3	23.4
23	---	---	---	---	---	---	18.4	17.6	23.5	22.9	24.3	23.3
24	---	---	---	---	17.5	16.3	19.3	18.2	23.4	22.1	24.3	22.9
25	---	---	---	---	17.8	17.3	20.2	19.1	23.1	22.2	24.7	23.7
26	---	---	---	---	18.1	17.6	19.8	17.8	23.1	22.6	24.7	23.7
27	---	---	---	---	18.7	17.6	19.9	18.2	23.9	22.9	25.2	24.1
28	---	---	---	---	20.2	17.3	20.6	19.1	24.3	23.3	25.6	24.1
29	---	---	---	---	20.2	18.0	20.9	19.8	---	---	25.9	24.9
30	---	---	---	---	21.0	19.1	20.6	19.8	---	---	25.9	24.5
31	---	---	---	---	20.7	19.8	19.9	19.1	---	---	26.3	25.2
MONTH	---	---	---	---	---	---	22.8	12.4	24.3	17.3	26.3	21.9

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	26.0	23.3	25.9	23.4	27.8	27.1	29.2	28.1	29.7	29.1	28.7	28.1
2	23.5	21.5	27.1	23.7	27.3	26.5	29.6	28.1	30.1	29.2	28.9	27.6
3	24.3	21.5	27.2	25.8	27.6	26.2	30.1	28.5	29.7	28.6	29.7	28.1
4	24.7	23.3	28.6	26.2	27.6	26.2	30.2	29.2	29.1	28.3	29.7	28.2
5	25.1	23.7	27.0	24.1	27.3	26.7	29.8	27.6	28.5	28.1	29.2	28.1
6	25.8	24.5	26.5	24.1	27.4	26.7	29.7	26.2	28.6	28.0	28.3	26.7
7	25.6	24.9	26.8	24.1	27.4	26.2	30.2	28.5	28.6	27.6	28.2	27.1
8	25.6	24.1	26.9	25.8	27.7	26.2	30.7	29.1	29.2	27.6	28.2	27.1
9	25.1	23.8	26.5	25.8	27.8	26.8	29.6	28.5	29.1	28.1	28.3	27.6
10	25.1	23.6	26.9	25.8	27.3	26.7	29.7	28.1	29.1	28.1	28.7	28.1
11	24.5	23.0	26.8	25.8	27.3	26.7	30.2	28.5	28.8	28.1	29.7	28.1
12	23.9	23.0	26.4	24.7	27.7	26.7	29.9	28.6	29.5	28.1	29.8	27.7
13	24.6	23.7	25.9	24.9	28.2	27.6	29.6	28.1	29.0	28.1	28.7	27.6
14	24.6	21.7	25.8	24.9	28.3	27.6	29.6	28.3	29.0	28.1	28.7	28.1
15	21.7	20.6	25.8	24.9	29.7	28.1	29.7	27.8	28.7	28.1	28.4	27.9
16	21.7	20.7	26.0	25.3	30.7	28.5	29.7	28.1	28.7	28.1	28.3	28.1
17	22.8	21.5	26.0	25.3	31.4	29.0	30.2	28.6	29.6	27.6	28.7	28.1
18	22.4	21.1	25.9	24.9	30.7	29.6	30.2	28.6	29.1	28.1	29.2	28.1
19	22.0	20.8	26.7	25.8	30.7	29.6	29.7	28.5	28.8	28.1	29.6	28.1
20	22.8	21.2	27.6	26.2	30.7	29.6	29.0	28.0	29.3	28.5	29.6	28.1
21	23.1	22.2	28.6	27.1	30.6	29.0	29.7	28.1	29.5	28.5	29.7	28.6
22	24.2	22.9	---	---	30.2	28.6	30.1	28.1	29.1	28.1	29.7	28.1
23	24.6	23.3	---	---	30.2	28.1	30.3	28.6	29.6	28.1	29.4	28.2
24	24.1	22.0	---	---	29.7	27.9	30.6	29.1	30.1	28.1	28.7	27.6
25	24.1	22.9	---	---	29.5	27.8	30.6	29.1	30.1	28.1	28.8	28.1
26	24.3	20.0	29.1	27.1	29.7	26.7	30.7	29.2	30.1	28.1	28.7	27.1
27	25.0	23.3	29.6	27.8	29.3	27.2	30.6	29.1	30.1	27.6	27.4	26.2
28	25.1	24.0	29.9	28.1	30.2	28.0	30.6	29.3	29.6	27.6	26.5	25.8
29	24.6	23.0	28.6	27.1	29.1	27.6	30.6	29.4	29.1	27.5	26.1	25.4
30	25.0	23.0	28.4	26.8	29.6	28.1	30.7	29.2	29.1	27.3	26.3	25.6
31	---	---	28.5	27.1	---	---	30.6	29.0	30.1	27.9	---	---
MONTH	26.0	20.0	---	---	31.4	26.2	30.7	26.2	30.1	27.3	29.8	25.4

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

249

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 28°01'07", long 82°27'07", in NE 1/4 sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on left bank, on private dock on East Hollywood Boulevard, 0.1 mi downstream from Nebraska Avenue in Sulphur Springs, 0.6 mi southeast of Harbour Heights, and 2.0 mi downstream from control structure for Tampa Reservoir.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January to August 1997.

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 CURRENT PERIOD.--

SPECIFIC CONDUCTANCE.--Top probe maximum, 32,500 microsiemens, Jan. 21, bottom probe maximum, 30,900 microsiemens, Feb. 4, 5; top probe minimum, 177 microsiemens, Aug. 16; bottom probe minimum, 215 microsiemens, Aug. 20.

TEMPERATURE.--Top probe maximum, 33.5°C, July 7; bottom probe maximum, 31.4°C, July 25; top probe minimum, 14.8°C, Jan. 18; bottom probe minimum, 16.4°C, Jan. 20, 21.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	24500	10100	18500	8970
2	---	---	---	---	---	---	---	---	26300	8280	16300	8370
3	---	---	---	---	---	---	22400	5190	29700	10100	15300	7250
4	---	---	---	---	---	---	27000	5560	26300	8350	22000	5460
5	---	---	---	---	---	---	23000	6140	---	---	23600	6280
6	---	---	---	---	---	---	---	---	23500	9550	23300	6030
7	---	---	---	---	---	---	---	---	24400	10400	22300	7340
8	---	---	---	---	---	---	---	---	22900	8690	22900	12100
9	---	---	---	---	---	---	24400	7920	16200	9410	18300	11800
10	---	---	---	---	---	---	---	---	15900	7570	15800	11000
11	---	---	---	---	---	---	16900	6480	17000	7520	14600	10000
12	---	---	---	---	---	---	---	---	19300	11200	14900	8610
13	---	---	---	---	---	---	---	---	---	---	18600	8550
14	---	---	---	---	---	---	---	---	---	---	16300	8510
15	---	---	---	---	---	---	---	---	---	---	16900	6940
16	---	---	---	---	---	---	---	---	---	---	20100	5430
17	---	---	---	---	---	---	---	---	---	---	23700	6010
18	---	---	---	---	---	---	---	---	---	---	26100	8470
19	---	---	---	---	---	---	31100	8140	---	---	23200	9150
20	---	---	---	---	---	---	31600	9800	---	---	23100	9170
21	---	---	---	---	---	---	32500	10100	---	---	24400	9420
22	---	---	---	---	---	---	31600	10600	---	---	20000	8170
23	---	---	---	---	---	---	29000	11300	---	---	18500	7600
24	---	---	---	---	---	---	26900	12200	---	---	17600	9140
25	---	---	---	---	---	---	25100	11300	---	---	17900	8780
26	---	---	---	---	---	---	17600	9690	---	---	14100	7420
27	---	---	---	---	---	---	18200	9880	16300	9320	14900	6710
28	---	---	---	---	---	---	19400	11100	15700	7600	13300	6450
29	---	---	---	---	---	---	22200	9490	---	---	19400	6560
30	---	---	---	---	---	---	22000	11400	---	---	12500	5820
31	---	---	---	---	---	---	25700	8910	---	---	16500	6060
MONTH	---	---	---	---	---	---	32500	5190	29700	7520	26100	5430

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT BELOW SURFACE)

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	842	485	---	---	7900	4530	749	366	---	---
2	---	---	1370	293	---	---	8220	4480	---	---	---	---
3	---	---	---	---	12200	5950	9500	5400	---	---	---	---
4	21900	9910	---	---	10900	6210	10200	5080	---	---	---	---
5	19400	13500	---	---	12100	6840	---	---	476	312	---	---
6	20300	11100	---	---	12000	6100	---	---	424	294	---	---
7	16500	10600	---	---	12500	5460	1240	482	546	280	---	---
8	15800	12900	---	---	14900	6540	2120	528	416	281	---	---
9	16300	12700	---	---	15100	7100	1480	535	430	234	---	---
10	17500	13200	---	---	16400	7900	3890	1330	303	243	---	---
11	21700	13800	---	---	15000	6780	4750	691	290	234	---	---
12	20400	15100	---	---	15100	5490	1140	558	267	234	---	---
13	21600	15200	---	---	11900	5210	3030	589	243	225	---	---
14	21800	13000	---	---	12800	4870	7080	1750	236	212	---	---
15	23000	9720	---	---	10000	4400	5740	1820	220	203	---	---
16	25800	14000	---	---	10900	4930	3950	1770	226	177	---	---
17	26600	12300	---	---	12700	5190	6100	2880	230	194	---	---
18	26600	13500	---	---	13400	5690	5400	2340	264	193	---	---
19	29000	13800	---	---	13400	5520	---	---	300	191	---	---
20	27200	14000	---	---	13900	6820	---	---	271	196	---	---
21	26900	11800	---	---	14100	7360	---	---	---	---	---	---
22	25100	9000	---	---	14400	8290	---	---	---	---	---	---
23	18500	10500	---	---	12900	6870	707	326	---	---	---	---
24	---	---	---	---	10500	3860	844	356	---	---	---	---
25	---	---	---	---	7880	3940	845	359	---	---	---	---
26	---	---	---	---	6910	3540	762	373	---	---	---	---
27	3030	1110	---	---	6060	3500	796	356	---	---	---	---
28	2410	413	---	---	6520	3940	634	355	---	---	---	---
29	976	510	---	---	6570	3860	730	351	---	---	---	---
30	---	---	---	---	7190	4070	667	354	---	---	---	---
31	---	---	---	---	---	---	846	375	---	---	---	---
MONTH	29000	413	1370	293	16400	3500	10200	326	749	177	---	---

HILLSBOROUGH RIVER BASIN

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	---	---	27700	15300	21300	12400
2	---	---	---	---	---	---	---	---	28900	15500	21900	12400
3	---	---	---	---	---	---	29100	9870	30400	15100	22100	12500
4	---	---	---	---	---	---	30400	9270	30900	10900	22800	12500
5	---	---	---	---	---	---	30100	9560	30900	12000	25200	12400
6	---	---	---	---	---	---	29900	8720	28700	12300	25200	12500
7	---	---	---	---	---	---	28300	8740	26400	13400	25000	9450
8	---	---	---	---	---	---	27600	8160	22500	15800	23500	12500
9	---	---	---	---	---	---	25800	13500	16300	11800	18000	12500
10	---	---	---	---	---	---	17800	7530	15000	14400	14900	13100
11	---	---	---	---	---	---	16200	11800	15300	14100	13300	12100
12	---	---	---	---	---	---	---	---	20100	14400	14600	11600
13	---	---	---	---	---	---	---	---	23200	14300	18600	11600
14	---	---	---	---	---	---	---	---	23600	14500	20000	11900
15	---	---	---	---	---	---	---	---	---	---	22800	11800
16	---	---	---	---	---	---	---	---	---	---	24300	11500
17	---	---	---	---	---	---	---	---	---	---	27300	11400
18	---	---	---	---	---	---	---	---	---	---	28300	14300
19	---	---	---	---	---	---	29700	7950	---	---	28700	23100
20	---	---	---	---	---	---	30400	8590	---	---	28900	21600
21	---	---	---	---	---	---	30600	8110	---	---	29100	20800
22	---	---	---	---	---	---	30500	8120	---	---	25500	18800
23	---	---	---	---	---	---	28800	9200	---	---	25000	17400
24	---	---	---	---	---	---	27300	14400	---	---	18800	13000
25	---	---	---	---	---	---	24800	16800	---	---	20400	14600
26	---	---	---	---	---	---	17000	8090	---	---	16100	12800
27	---	---	---	---	---	---	17400	15200	19100	12400	17100	12200
28	---	---	---	---	---	---	18700	15300	18000	12400	19000	12000
29	---	---	---	---	---	---	22400	15300	---	---	19900	11300
30	---	---	---	---	---	---	23900	15400	---	---	18700	10800
31	---	---	---	---	---	---	25000	15300	---	---	21100	11000
MONTH	---	---	---	---	---	---	30600	7530	30900	10900	29100	9450

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	1050	893	22800	12500	21600	7910	2270	401	---	---
2	---	---	23000	903	20600	13400	22700	15800	2000	402	---	---
3	27000	11000	24800	1840	21800	11000	25900	20100	1830	382	---	---
4	27000	16500	19800	1550	22200	11200	26300	14800	694	360	---	---
5	23800	18300	16900	2430	22400	15700	25000	6310	859	353	---	---
6	20900	15000	15900	2870	22400	14700	7990	880	676	375	---	---
7	---	---	15800	3350	23800	13600	2420	1320	1260	324	---	---
8	---	---	17300	3350	25000	16200	2740	881	500	311	---	---
9	---	---	17900	5360	24200	17800	7680	960	508	250	---	---
10	---	---	19700	6170	24700	21000	18800	2840	354	267	---	---
11	---	---	21500	9170	25900	23200	21900	1300	337	262	---	---
12	---	---	21200	12500	27100	24600	17000	1200	295	259	---	---
13	---	---	23800	18400	28500	23300	24900	3510	283	255	---	---
14	---	---	26000	23000	28600	24300	26100	3050	283	266	---	---
15	---	---	28600	25400	28800	25100	17000	4520	267	243	---	---
16	---	---	30000	27400	29900	27600	22400	4760	257	218	---	---
17	---	---	30300	28600	30400	26800	22100	4900	255	227	---	---
18	---	---	29700	25900	29800	21100	21100	4540	273	222	---	---
19	---	---	27900	19700	28300	20500	17400	1430	299	222	---	---
20	---	---	25000	16900	26300	17200	2890	751	262	215	---	---
21	---	---	22600	13100	24800	15100	2480	823	---	---	---	---
22	---	---	21500	13800	21500	14200	---	---	---	---	---	---
23	---	---	21700	13200	20500	12100	1880	333	---	---	---	---
24	---	---	21500	9650	13100	8030	2070	441	---	---	---	---
25	21500	12400	9730	5980	9010	5810	2000	456	---	---	---	---
26	19700	5820	7470	4720	10700	5490	2010	466	---	---	---	---
27	5820	3120	11900	4140	14800	4620	2140	511	---	---	---	---
28	3120	1580	16600	5370	17200	6390	1900	524	---	---	---	---
29	1580	1280	21500	7420	18100	7260	2090	445	---	---	---	---
30	1280	1030	21900	19100	20100	14400	2180	405	---	---	---	---
31	---	---	22600	18100	---	---	2130	502	---	---	---	---
MONTH	27000	1030	30300	893	30400	4620	26300	333	2270	215	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT BELOW SURFACE)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	22.8	19.2	25.2	24.4
2	---	---	---	---	---	---	---	---	22.7	19.2	25.3	24.7
3	---	---	---	---	---	---	23.6	20.8	22.4	19.2	25.3	24.8
4	---	---	---	---	---	---	23.2	20.4	23.2	19.4	25.3	24.7
5	---	---	---	---	---	---	23.8	20.9	23.6	19.3	25.7	24.4
6	---	---	---	---	---	---	24.0	19.6	23.2	20.2	25.7	24.4
7	---	---	---	---	---	---	23.6	19.5	23.6	22.0	25.7	23.2
8	---	---	---	---	---	---	23.6	18.9	24.0	22.4	25.3	23.8
9	---	---	---	---	---	---	23.6	22.2	23.6	21.2	25.3	24.0
10	---	---	---	---	---	---	---	---	23.2	21.3	25.3	24.4
11	---	---	---	---	---	---	23.2	19.9	23.5	20.4	25.7	24.8
12	---	---	---	---	---	---	---	---	23.0	19.8	25.7	24.8
13	---	---	---	---	---	---	---	---	24.4	20.9	25.7	24.8
14	---	---	---	---	---	---	---	---	24.8	22.0	25.2	24.0
15	---	---	---	---	---	---	---	---	---	---	25.7	24.0
16	---	---	---	---	---	---	---	---	---	---	25.8	22.4
17	---	---	---	---	---	---	---	---	---	---	25.7	21.6
18	---	---	---	---	---	---	---	---	---	---	26.1	22.8
19	---	---	---	---	---	---	21.0	14.8	---	---	25.7	24.0
20	---	---	---	---	---	---	21.3	15.6	---	---	25.7	24.0
21	---	---	---	---	---	---	20.9	15.9	---	---	25.7	24.0
22	---	---	---	---	---	---	20.9	16.8	---	---	25.2	24.0
23	---	---	---	---	---	---	21.8	18.4	---	---	25.3	24.0
24	---	---	---	---	---	---	22.3	19.5	---	---	25.9	24.4
25	---	---	---	---	---	---	22.4	20.9	---	---	25.7	24.8
26	---	---	---	---	---	---	22.4	19.3	---	---	25.7	24.8
27	---	---	---	---	---	---	22.4	20.5	24.8	23.6	25.8	24.8
28	---	---	---	---	---	---	22.9	21.3	24.9	24.0	26.5	24.7
29	---	---	---	---	---	---	23.0	21.6	---	---	26.5	25.0
30	---	---	---	---	---	---	22.8	20.4	---	---	27.1	24.4
31	---	---	---	---	---	---	22.4	20.2	---	---	26.7	25.2
MONTH	---	---	---	---	---	---	24.0	14.8	24.9	19.2	27.1	21.6

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	25.5	22.2	26.8	23.0	30.3	27.9	30.9	29.3	---	---
2	---	---	28.8	23.4	29.3	22.6	31.3	28.3	30.3	25.1	---	---
3	---	---	27.3	24.6	29.3	26.6	31.3	28.3	30.3	25.9	---	---
4	26.3	21.9	27.8	19.8	29.3	26.5	31.8	27.9	30.2	26.7	---	---
5	25.9	23.8	27.3	15.3	29.3	27.1	29.8	24.5	29.3	28.2	---	---
6	26.4	24.6	26.8	20.8	29.3	26.5	31.3	24.9	30.0	28.2	---	---
7	26.4	24.6	26.8	21.2	30.3	25.3	33.5	29.3	29.2	27.9	---	---
8	26.4	24.6	27.3	21.8	29.8	25.2	31.8	28.8	29.9	27.8	---	---
9	25.9	24.6	26.8	21.6	29.4	27.4	31.8	29.5	30.3	28.2	---	---
10	25.9	24.2	26.8	21.5	29.8	27.2	30.8	27.9	29.8	28.2	---	---
11	25.0	24.0	26.4	20.8	29.8	27.4	31.3	27.9	29.8	28.2	---	---
12	25.5	23.7	25.1	22.0	30.1	27.2	31.0	30.2	30.4	28.2	---	---
13	25.5	24.2	26.4	20.5	29.3	27.1	31.8	28.8	29.4	28.7	---	---
14	25.0	22.2	28.8	18.8	29.3	27.0	31.3	27.9	29.8	28.7	---	---
15	24.2	22.1	28.8	17.9	30.8	27.2	31.8	28.3	29.3	28.3	---	---
16	24.6	21.6	28.3	21.9	31.8	27.4	31.7	28.3	29.8	28.2	---	---
17	24.6	22.6	26.4	20.9	31.8	27.4	30.7	27.9	29.8	28.2	---	---
18	24.6	21.9	28.6	19.8	31.8	27.9	30.8	28.3	29.8	28.8	---	---
19	24.6	21.9	32.0	22.7	31.3	27.9	30.8	25.3	29.8	28.7	---	---
20	24.6	21.9	31.1	23.0	31.3	27.9	30.8	26.1	29.8	28.8	---	---
21	24.7	22.6	32.0	23.0	31.3	27.9	31.9	27.9	---	---	---	---
22	25.5	23.4	31.5	23.4	30.8	27.9	---	---	---	---	---	---
23	25.1	23.7	28.8	23.0	30.3	27.9	31.4	28.7	---	---	---	---
24	25.5	17.3	27.8	22.7	29.7	27.4	31.4	29.4	---	---	---	---
25	25.5	17.3	27.5	21.5	30.3	27.4	32.0	29.4	---	---	---	---
26	24.2	21.5	28.3	23.0	30.8	27.9	30.9	29.5	---	---	---	---
27	25.1	22.3	28.3	23.8	30.9	27.9	30.9	29.4	---	---	---	---
28	24.6	23.8	29.3	21.9	30.3	27.9	30.9	29.6	---	---	---	---
29	24.6	23.6	31.4	20.6	31.3	27.7	31.4	29.7	---	---	---	---
30	24.7	19.4	30.9	20.4	30.9	27.9	31.4	29.5	---	---	---	---
31	---	---	29.3	22.6	---	---	31.4	29.4	---	---	---	---
MONTH	26.4	17.3	32.0	15.3	31.8	22.6	33.5	24.5	30.9	25.1	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02304520 HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	22.0	21.3	25.2	24.7
2	---	---	---	---	---	---	---	---	22.0	20.2	25.2	24.8
3	---	---	---	---	---	---	22.0	21.0	22.0	19.9	25.3	24.9
4	---	---	---	---	---	---	21.9	21.3	22.5	20.2	25.3	25.2
5	---	---	---	---	---	---	22.0	21.6	22.1	21.0	25.3	25.1
6	---	---	---	---	---	---	22.4	21.7	22.4	21.7	25.7	24.8
7	---	---	---	---	---	---	22.4	22.0	23.2	22.0	25.7	23.3
8	---	---	---	---	---	---	22.5	22.0	23.6	22.5	25.7	23.9
9	---	---	---	---	---	---	23.2	22.4	23.6	22.1	25.3	24.0
10	---	---	---	---	---	---	22.8	21.2	23.2	21.8	25.3	24.6
11	---	---	---	---	---	---	22.4	20.6	23.2	21.4	25.7	24.8
12	---	---	---	---	---	---	---	---	23.0	21.6	25.7	24.8
13	---	---	---	---	---	---	---	---	22.8	22.0	25.7	25.2
14	---	---	---	---	---	---	---	---	23.3	22.4	25.7	24.8
15	---	---	---	---	---	---	---	---	---	---	25.7	24.1
16	---	---	---	---	---	---	---	---	---	---	26.1	24.0
17	---	---	---	---	---	---	---	---	---	---	26.1	23.9
18	---	---	---	---	---	---	---	---	---	---	26.1	24.8
19	---	---	---	---	---	---	21.3	16.7	---	---	26.1	24.8
20	---	---	---	---	---	---	20.9	16.4	---	---	26.1	24.8
21	---	---	---	---	---	---	20.6	16.4	---	---	26.1	24.8
22	---	---	---	---	---	---	20.6	17.4	---	---	25.7	24.0
23	---	---	---	---	---	---	20.6	18.7	---	---	26.0	24.7
24	---	---	---	---	---	---	21.3	19.6	---	---	25.7	24.4
25	---	---	---	---	---	---	22.0	20.9	---	---	26.1	25.2
26	---	---	---	---	---	---	22.0	20.2	---	---	25.7	25.2
27	---	---	---	---	---	---	22.0	20.9	24.8	24.0	25.8	25.2
28	---	---	---	---	---	---	22.0	21.7	24.8	24.2	26.1	25.2
29	---	---	---	---	---	---	22.4	21.6	---	---	26.3	25.7
30	---	---	---	---	---	---	22.4	21.6	---	---	26.6	25.4
31	---	---	---	---	---	---	22.0	21.4	---	---	27.1	25.7
MONTH	---	---	---	---	---	---	23.2	16.4	24.8	19.9	27.1	23.3

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	---	---	25.1	23.4	28.0	26.6	29.3	27.8	30.3	27.8	---	---
2	---	---	25.5	24.2	27.8	26.8	29.8	28.8	30.3	27.3	---	---
3	26.5	23.0	26.8	24.7	27.8	27.1	30.3	29.3	29.7	27.8	---	---
4	26.4	24.2	27.3	25.2	28.0	27.1	30.3	29.1	29.3	28.3	---	---
5	25.9	24.6	26.4	24.6	28.3	27.3	30.3	26.4	28.8	28.2	---	---
6	26.4	24.6	25.9	24.8	28.3	26.9	29.8	26.4	29.3	27.3	---	---
7	25.9	25.0	26.3	24.6	28.3	26.9	29.8	27.3	28.8	27.3	---	---
8	25.9	24.6	26.4	25.1	28.3	27.3	29.8	26.8	29.4	27.4	---	---
9	25.5	24.6	26.4	25.1	28.3	27.8	29.3	26.8	29.8	27.8	---	---
10	25.5	24.2	26.4	25.5	28.3	27.8	28.8	26.4	29.6	28.2	---	---
11	25.0	24.2	26.7	25.6	28.3	27.8	29.3	28.2	29.4	28.2	---	---
12	25.0	24.2	26.4	25.9	28.3	27.8	29.3	26.8	29.8	28.2	---	---
13	25.1	24.2	26.8	25.6	28.3	27.8	29.3	26.8	29.1	28.2	---	---
14	25.0	22.6	26.8	25.9	28.3	27.8	29.3	28.0	29.3	28.2	---	---
15	24.2	22.2	26.8	26.4	28.3	27.8	28.7	27.3	29.3	27.8	---	---
16	24.2	22.2	26.8	26.4	28.7	27.9	29.2	27.3	29.3	27.8	---	---
17	24.4	23.0	26.8	26.1	28.8	28.3	29.2	26.8	29.8	27.7	---	---
18	24.4	21.9	26.8	25.9	29.3	28.7	29.3	27.3	29.3	28.4	---	---
19	24.6	23.8	26.9	26.4	29.3	28.4	28.8	27.3	29.5	28.3	---	---
20	24.6	23.4	27.3	26.4	29.3	28.7	28.8	26.8	29.3	28.4	---	---
21	24.8	23.9	27.8	26.8	29.3	28.7	29.4	26.8	---	---	---	---
22	25.3	24.2	28.1	26.8	29.3	27.7	---	---	---	---	---	---
23	25.1	23.8	28.1	27.3	29.3	28.0	30.9	27.3	---	---	---	---
24	25.1	22.8	27.8	26.4	28.3	26.8	30.9	27.3	---	---	---	---
25	25.4	23.8	26.9	25.5	28.2	26.4	31.4	27.8	---	---	---	---
26	25.0	21.2	27.6	25.5	28.3	26.5	30.3	27.8	---	---	---	---
27	24.6	22.3	27.8	25.5	28.7	26.4	30.9	27.5	---	---	---	---
28	24.6	23.8	27.8	25.9	28.8	27.3	30.9	27.3	---	---	---	---
29	24.2	23.4	27.8	26.2	28.9	27.3	31.0	27.8	---	---	---	---
30	24.5	23.4	27.8	26.9	29.3	28.2	30.9	27.3	---	---	---	---
31	---	---	27.8	27.3	---	---	31.1	27.3	---	---	---	---
MONTH	26.5	21.2	28.1	23.4	29.3	26.4	31.4	26.4	30.3	27.3	---	---

**PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN**

02306000 SULPHUR SPRINGS AT SULPHUR SPRINGS, FL

LOCATION.--Lat 28°01'15", long 82°27'07", in NE 1/4 sec.25, T.28 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, at 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 fair. Discharge measurements made in spring run about 300 ft downstream from gage. Flow regulated by operating gates in control at swimming pool outlet at head of springs. Some diversions at times by pumping from the spring pool into Hillsborough River above the dam by the city of Tampa Water Department (station 02304500). Statistics do not include diverted flow.

REVISED RECORDS.--WRD FL--1991: Discharge and diversion published in 1988-90.

**DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	33	29	29	31	28	26	29	28	33	34	e35
2	31	33	29	29	31	28	26	29	28	33	35	e35
3	31	32	28	29	31	28	26	28	28	33	36	e35
4	31	32	28	29	35	28	26	28	28	33	36	e36
5	31	32	28	29	47	28	26	28	28	35	36	e35
6	31	32	28	29	34	28	25	28	28	37	35	e36
7	33	32	30	29	30	28	38	28	28	37	36	e34
8	36	32	30	29	30	28	48	28	28	36	e36	e35
9	35	31	30	29	29	27	48	29	29	36	e36	e34
10	34	31	29	29	30	26	48	29	29	35	e36	e34
11	34	31	29	29	30	26	48	28	28	35	e37	e35
12	34	30	29	28	29	26	48	29	28	36	e37	e34
13	34	30	29	29	30	26	48	29	28	35	e37	e33
14	34	30	29	29	30	28	32	29	29	35	e38	e34
15	34	29	29	29	30	27	23	29	29	36	e37	e33
16	34	29	30	29	29	26	23	29	28	36	e37	e32
17	35	29	30	29	29	26	23	29	28	36	e38	e33
18	37	29	30	29	29	27	23	29	27	35	e38	e33
19	36	29	29	30	30	26	23	29	27	36	e37	e34
20	35	29	29	30	30	26	23	29	28	36	e36	e33
21	35	29	29	30	30	27	23	29	28	36	e38	e34
22	35	29	29	30	30	27	23	29	28	35	e37	e33
23	34	28	29	29	29	26	24	29	28	36	e38	e33
24	34	28	29	30	28	26	25	30	32	36	e38	e32
25	34	29	29	30	28	27	24	37	34	37	e37	29
26	34	29	29	30	28	28	28	53	33	36	e37	32
27	34	29	29	30	28	27	29	54	33	35	e36	39
28	34	28	29	30	28	27	30	34	33	35	e36	40
29	33	28	29	30	---	26	30	27	34	35	e36	40
30	33	29	29	31	---	26	30	28	34	35	e35	41
31	33	---	29	31	---	26	---	28	---	34	e36	---
TOTAL	1045	901	901	912	853	834	917	951	879	1094	1132	1036
MEAN	33.7	30.0	29.1	29.4	30.5	26.9	30.6	30.7	29.3	35.3	36.5	34.5
MAX	37	33	30	31	47	28	48	54	34	37	38	41
MIN	31	28	28	28	28	26	23	27	27	33	34	29
AC-FT	2070	1790	1790	1810	1690	1650	1820	1890	1740	2170	2250	2050

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997, BY WATER YEAR (WY)

MEAN	44.1	39.0	37.2	38.1	38.4	39.3	33.3	28.5	31.4	38.4	46.1	47.8
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	23.7	11.7	4.73	3.80	4.15	6.79	14.5	31.3
(WY)	1973	1973	1979	1985	1991	1976	1976	1985	1977	1977	1977	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1960 - 1997
ANNUAL TOTAL	12715	11455	
ANNUAL MEAN	34.7	31.4	
HIGHEST ANNUAL MEAN			38.5
LOWEST ANNUAL MEAN			67.6
HIGHEST DAILY MEAN	44	54	25.1
LOWEST DAILY MEAN	28	23	145
ANNUAL SEVEN-DAY MINIMUM	28	23	.00
INSTANTANEOUS PEAK FLOW			.38
ANNUAL RUNOFF (AC-FT)	25220	22720	145
10 PERCENT EXCEEDS	39	36	27870
50 PERCENT EXCEEDS	35	30	54
90 PERCENT EXCEEDS	29	27	40
			15

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL

LOCATION.--Lat 27°56'30", long 82°27'32", in SE 1/4 sec.25, T.29 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, near center of span on upstream side of bridge on Platt Street near mouth, and 0.6 mi south of downtown post office in Tampa.

DRAINAGE AREA.--694 mi².

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--January to August 1997 (gage heights only), incomplete (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR CURRENET PERIOD.--Maximum gage height, 14.00 ft, Apr. 23; minimum 7.74 ft, Feb. 17.

GAGE HEIGHT, FEET, PERIOD JANUARY TO AUGUST 1997

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	11.63	9.15	11.97	9.49
2	---	---	---	---	---	---	---	---	11.58	9.32	11.81	9.51
3	---	---	---	---	---	---	---	---	11.52	9.12	11.77	9.32
4	---	---	---	---	---	---	---	---	12.18	8.79	11.57	9.18
5	---	---	---	---	---	---	---	---	12.18	8.80	12.03	8.89
6	---	---	---	---	---	---	---	---	12.07	8.76	12.02	9.05
7	---	---	---	---	---	---	---	---	12.16	8.89	11.20	7.80
8	---	---	---	---	---	---	---	---	12.43	9.28	11.56	8.98
9	---	---	---	---	---	---	---	---	11.59	8.63	11.81	9.03
10	---	---	---	---	---	---	12.72	8.48	11.27	9.13	11.94	9.30
11	---	---	---	---	---	---	12.16	9.04	11.05	8.95	11.70	9.30
12	---	---	---	---	---	---	11.36	8.71	11.52	9.27	11.62	9.16
13	---	---	---	---	---	---	10.21	8.26	12.36	9.47	12.33	9.17
14	---	---	---	---	---	---	10.87	8.79	12.13	9.94	12.44	10.06
15	---	---	---	---	---	---	11.82	9.37	11.05	9.33	11.68	9.66
16	---	---	---	---	---	---	11.52	10.10	10.53	7.90	11.03	8.94
17	---	---	---	---	---	---	10.86	8.49	10.30	7.74	11.37	8.71
18	---	---	---	---	---	---	10.36	8.55	11.11	8.13	11.50	9.15
19	---	---	---	---	---	---	11.88	8.55	11.56	8.80	11.60	9.44
20	---	---	---	---	---	---	11.88	8.87	11.62	8.96	12.00	9.44
21	---	---	---	---	---	---	11.85	8.86	11.86	9.35	12.24	9.79
22	---	---	---	---	---	---	11.88	8.84	12.09	9.51	11.84	9.71
23	---	---	---	---	---	---	12.00	8.89	11.41	8.87	11.71	9.56
24	---	---	---	---	---	---	11.96	9.06	10.64	8.41	11.44	9.21
25	---	---	---	---	---	---	12.17	9.39	11.28	9.25	11.85	9.50
26	---	---	---	---	---	---	11.21	8.24	11.78	9.69	12.03	9.34
27	---	---	---	---	---	---	11.28	9.09	11.92	9.70	11.80	9.24
28	---	---	---	---	---	---	11.33	9.51	11.79	9.65	12.04	9.34
29	---	---	---	---	---	---	11.54	9.23	---	---	11.86	9.09
30	---	---	---	---	---	---	11.02	9.57	---	---	11.81	9.06
31	---	---	---	---	---	---	10.90	9.38	---	---	11.09	9.29
MONTH	---	---	---	---	---	---	---	---	12.43	7.74	12.44	7.80

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN
02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

GAGE HEIGHT, FEET, PERIOD JANUARY TO AUGUST 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.14	8.18	11.79	9.62	12.75	9.98	---	---	12.16	9.02	---	---
2	11.29	8.71	11.91	9.68	12.11	9.35	---	---	12.67	9.23	---	---
3	11.82	8.84	12.46	10.00	12.25	9.04	---	---	12.38	9.39	---	---
4	12.08	9.30	11.96	9.02	12.36	9.12	---	---	12.49	9.64	---	---
5	12.10	9.51	11.20	8.88	12.61	9.19	---	---	12.24	9.69	---	---
6	12.26	9.69	12.20	9.04	12.34	8.87	---	---	12.04	9.61	---	---
7	12.25	9.16	12.29	8.95	12.23	8.72	---	---	11.70	9.58	---	---
8	11.64	8.75	12.58	9.17	11.96	8.80	---	---	11.44	9.45	---	---
9	11.76	8.80	12.35	9.07	12.11	9.26	---	---	11.47	9.45	---	---
10	11.72	8.88	12.02	8.96	11.60	9.29	---	---	11.68	9.85	---	---
11	12.32	8.90	11.89	8.90	11.71	9.17	---	---	11.71	9.70	---	---
12	12.30	9.37	12.34	9.20	11.71	9.60	---	---	11.80	9.56	---	---
13	11.71	9.30	11.52	9.91	12.12	10.44	---	---	11.88	9.36	---	---
14	10.27	9.24	11.27	9.55	12.13	10.21	---	---	12.14	9.29	---	---
15	10.45	8.63	11.36	9.49	12.26	9.93	---	---	12.39	9.13	---	---
16	10.95	8.93	11.41	9.51	12.03	9.58	---	---	12.44	8.92	---	---
17	11.47	9.45	11.40	9.60	12.15	9.51	---	---	12.63	9.30	---	---
18	11.47	8.99	11.58	9.36	12.36	9.22	12.49	9.07	12.64	9.16	---	---
19	11.48	9.68	11.89	9.36	12.26	8.92	12.71	8.92	12.67	9.26	---	---
20	11.65	9.66	12.03	9.04	12.25	8.79	12.86	9.11	12.41	9.65	---	---
21	12.10	9.66	11.91	8.85	12.26	8.79	12.64	9.21	---	---	---	---
22	12.30	9.55	11.91	8.72	12.28	8.89	12.38	9.10	---	---	---	---
23	14.00	10.07	12.09	8.60	12.59	8.93	12.38	9.25	---	---	---	---
24	12.01	9.09	12.38	9.11	12.59	8.91	12.03	9.59	---	---	---	---
25	12.32	9.23	12.61	9.27	12.19	8.97	11.63	9.78	---	---	---	---
26	12.03	9.28	12.36	9.16	11.79	9.22	11.64	9.68	---	---	---	---
27	13.04	9.50	11.79	9.13	11.52	9.46	11.97	9.77	---	---	---	---
28	13.15	10.02	11.30	8.95	11.66	9.63	11.91	9.57	---	---	---	---
29	11.55	9.96	11.16	8.76	11.95	9.61	11.89	9.32	---	---	---	---
30	11.61	9.34	11.43	9.13	11.96	9.29	12.08	9.14	---	---	---	---
31	---	---	11.74	9.46	---	---	12.30	9.14	---	---	---	---
MONTH	14.00	8.18	12.61	8.60	12.75	8.72	---	---	---	---	---	---

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WATER-QUALITY RECORDS

TEMPERATURE.--Top probe maximum, 34.1°C, June 27; bottom probe maximum, 32.6°C, July 27; top probe minimum, 15.0°C, Jan. 26; bottom probe minimum, 17.1°C, Jan. 20.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT BELOW SURFACE)

[illegible]

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT BELOW SURFACE)

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN OCTOBER	MAX NOVEMBER	MIN NOVEMBER	MAX DECEMBER	MIN DECEMBER	MAX JANUARY	MIN JANUARY	MAX FEBRUARY	MIN FEBRUARY	MAX MARCH	MIN MARCH
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX APRIL	MIN APRIL	MAX MAY	MIN MAY	MAX JUNE	MIN JUNE	MAX JULY	MIN JULY	MAX AUGUST	MIN AUGUST	MAX SEPTEMBER	MIN SEPTEMBER
1	---	---	44600	42600	45900	44700	---	---	45200	40000	---	---
2	---	---	44400	42600	45300	40600	---	---	46300	38200	---	---
3	---	---	43100	40400	45300	40300	---	---	45700	40700	---	---
4	44300	41500	42100	40500	45300	40600	---	---	44900	26000	---	---
5	43700	41100	42900	41600	45600	41400	---	---	43100	42100	---	---
6	43900	41200	42800	41700	46400	39900	---	---	43700	42100	---	---
7	44000	40800	42800	41500	46200	40200	---	---	43200	40900	---	---
8	45800	39900	42900	41400	46300	42500	---	---	42300	41000	---	---
9	46700	40200	42800	41400	45600	40900	---	---	43200	31600	---	---
10	46700	40400	43000	40900	45600	41700	---	---	42400	40500	---	---
11	45400	40600	43500	42000	45800	44200	---	---	42200	39900	---	---
12	44800	41900	43000	42500	45800	43900	---	---	42200	41000	---	---
13	45200	41700	43200	42400	45000	44300	---	---	42500	21100	---	---
14	45300	41500	43700	42900	44700	43900	---	---	42800	14000	---	---
15	46600	39300	44500	43000	45200	44600	---	---	42200	13800	---	---
16	47600	41700	44300	43600	45500	44900	---	---	41500	10900	---	---
17	48000	46000	44100	43700	45700	41900	---	---	41800	20300	---	---
18	47900	42200	44200	42500	45500	41400	46600	39700	40900	18300	---	---
19	48000	45000	44100	42600	45300	40500	45700	36300	40700	26000	---	---
20	47700	45200	44000	42300	45700	40900	45600	33000	41100	39500	---	---
21	47200	45300	44600	42700	46600	41200	45600	38700	---	---	---	---
22	46800	44900	45000	43300	46800	42100	45800	37900	---	---	---	---
23	46900	44500	44400	42700	46900	40600	45700	42500	---	---	---	---
24	45900	41100	43600	41600	45900	38400	44700	42400	---	---	---	---
25	46000	41400	43000	41000	45600	41300	44900	42900	---	---	---	---
26	45800	27100	43300	41800	46300	41000	45600	42900	---	---	---	---
27	43700	41100	43500	42400	46200	44900	45200	42400	---	---	---	---
28	41200	37100	43700	43100	46600	44000	45200	42300	---	---	---	---
29	43100	40900	44400	43600	46400	44600	45000	42400	---	---	---	---
30	43800	42000	45000	44100	46000	43700	46300	42500	---	---	---	---
31	---	---	45800	44600	---	---	45600	42600	---	---	---	---
MONTH	---	---	45800	40400	46900	38400	---	---	---	---	---	---

[illegible][illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
HILLSBOROUGH RIVER BASIN

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02306028 HILLSBOROUGH RIVER AT PLATT STREET AT TAMPA, FL--Continued

WATER TEMPERATURE, DEGREES CELSIUS, PERIOD JANUARY TO AUGUST 1997
(1 FT ABOVE BOTTOM)

DAY	MAX OCTOBER	MIN	MAX NOVEMBER	MIN	MAX DECEMBER	MIN	MAX JANUARY	MIN	MAX FEBRUARY	MIN	MAX MARCH	MIN
1	---	---	---	---	---	---	---	---	---	---	26.6	24.2
2	---	---	---	---	---	---	---	---	---	---	26.9	24.9
3	---	---	---	---	---	---	---	---	---	---	26.9	24.9
4	---	---	---	---	---	---	---	---	---	---	26.9	23.6
5	---	---	---	---	---	---	---	---	21.3	18.2	26.2	23.5
6	---	---	---	---	---	---	---	---	23.6	19.2	26.2	22.4
7	---	---	---	---	---	---	---	---	24.2	20.7	26.2	22.4
8	---	---	---	---	---	---	---	---	24.3	19.7	26.9	22.4
9	---	---	---	---	---	---	---	---	21.8	19.7	25.3	22.0
10	---	---	---	---	---	---	21.6	21.2	21.8	19.6	24.9	21.8
11	---	---	---	---	---	---	21.2	19.9	21.8	19.2	24.9	21.8
12	---	---	---	---	---	---	21.6	20.2	21.3	19.2	25.0	18.5
13	---	---	---	---	---	---	21.2	20.2	22.4	19.2	30.0	24.9
14	---	---	---	---	---	---	21.2	20.5	24.3	20.7	29.9	24.9
15	---	---	---	---	---	---	21.2	20.2	23.6	20.7	29.6	25.2
16	---	---	---	---	---	---	20.9	19.9	22.1	19.0	27.7	23.5
17	---	---	---	---	---	---	20.5	19.4	21.6	18.4	26.2	22.4
18	---	---	---	---	---	---	19.6	18.6	22.4	19.7	25.7	23.0
19	---	---	---	---	---	---	18.8	17.7	23.6	20.2	25.6	23.6
20	---	---	---	---	---	---	18.6	17.1	23.7	20.7	26.1	23.6
21	---	---	---	---	---	---	18.3	17.4	24.3	21.3	26.2	23.6
22	---	---	---	---	---	---	18.9	17.4	25.6	21.9	25.6	23.0
23	---	---	---	---	---	---	19.2	17.9	24.3	21.8	24.9	22.4
24	---	---	---	---	---	---	---	---	23.1	20.7	24.3	22.3
25	---	---	---	---	---	---	---	---	24.0	21.3	24.6	22.4
26	---	---	---	---	---	---	---	---	24.3	21.3	24.4	22.4
27	---	---	---	---	---	---	---	---	26.2	22.4	26.2	21.8
28	---	---	---	---	---	---	---	---	26.2	23.6	27.7	22.4
29	---	---	---	---	---	---	---	---	---	---	28.1	22.4
30	---	---	---	---	---	---	---	---	---	---	26.2	21.3
31	---	---	---	---	---	---	---	---	---	---	24.9	22.4
MONTH	---	---	---	---	---	---	---	---	---	---	30.0	18.5

DAY	MAX APRIL	MIN	MAX MAY	MIN	MAX JUNE	MIN	MAX JULY	MIN	MAX AUGUST	MIN	MAX SEPTEMBER	MIN
1	23.0	20.2	23.6	22.7	27.7	26.7	---	---	31.9	30.8	---	---
2	23.6	20.7	24.7	23.1	28.2	26.2	---	---	32.0	30.8	---	---
3	24.0	21.3	26.7	23.6	28.7	27.7	---	---	31.2	30.3	---	---
4	23.6	21.8	25.8	24.4	28.7	27.5	---	---	31.3	27.8	---	---
5	23.6	21.6	25.8	24.4	28.7	27.4	---	---	31.4	30.8	---	---
6	24.4	22.4	25.8	24.0	28.3	27.7	---	---	31.3	30.8	---	---
7	30.9	23.1	25.8	24.0	28.7	27.2	---	---	31.0	30.8	---	---
8	24.0	22.8	25.8	24.0	28.7	27.2	---	---	30.9	30.3	---	---
9	24.0	22.7	26.2	24.8	28.2	27.2	---	---	30.9	29.7	---	---
10	23.9	22.3	25.8	24.8	28.0	27.2	---	---	30.3	29.7	---	---
11	22.8	21.6	25.8	24.8	28.2	27.2	---	---	30.3	29.7	---	---
12	22.7	20.8	25.6	24.8	28.2	27.2	---	---	30.9	30.2	---	---
13	22.7	22.3	25.3	25.3	28.7	28.2	---	---	30.9	28.7	---	---
14	22.7	21.9	25.8	24.8	28.7	28.0	---	---	30.9	29.7	---	---
15	22.3	21.9	25.8	25.3	29.2	28.2	---	---	30.9	29.7	---	---
16	22.3	21.9	25.8	25.2	29.2	28.2	---	---	30.9	28.2	---	---
17	22.3	21.2	25.8	25.3	30.3	28.2	---	---	30.9	29.7	---	---
18	21.6	20.8	26.2	25.3	30.9	29.2	32.0	30.5	31.4	29.7	---	---
19	21.9	20.8	27.2	25.3	30.9	29.4	31.4	29.7	31.4	29.7	---	---
20	22.3	20.8	27.7	25.7	30.9	29.7	31.4	29.2	31.4	30.8	---	---
21	22.4	20.8	28.2	25.7	30.9	29.5	31.4	29.2	---	---	---	---
22	24.0	21.9	28.2	25.7	30.9	29.7	31.4	30.8	---	---	---	---
23	23.3	22.3	27.7	26.7	30.9	30.3	31.4	30.3	---	---	---	---
24	23.6	22.3	27.7	26.7	30.9	30.3	32.0	31.0	---	---	---	---
25	23.5	22.3	28.2	27.2	31.4	30.8	32.0	31.4	---	---	---	---
26	22.9	20.8	28.2	27.2	31.4	30.8	32.0	31.2	---	---	---	---
27	22.7	22.3	28.2	27.2	31.1	30.8	32.6	31.4	---	---	---	---
28	24.0	22.3	27.7	27.2	31.4	30.8	31.4	30.8	---	---	---	---
29	23.1	23.1	27.9	27.2	31.4	30.8	31.4	30.8	---	---	---	---
30	23.3	22.8	28.2	27.7	31.4	30.8	32.0	30.8	---	---	---	---
31	---	---	28.7	27.6	---	---	31.7	30.8	---	---	---	---
MONTH	30.9	20.2	28.7	22.7	31.4	26.2	---	---	---	---	---	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

02306500 SWEETWATER CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'35", long 82°30'42", in SW 1/4 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	.32	.61	.90	.62	.29	.04	5.7	.55	1.3	3.2	.64
2	1.3	.31	.95	.86	.57	.26	.04	3.6	.50	1.6	3.4	.85
3	1.1	.24	.63	.75	.52	.22	.04	2.4	.41	1.8	3.7	.81
4	.96	.25	.43	.65	.47	.21	.05	1.6	.37	1.1	11	.94
5	.66	.27	.39	.68	.51	.20	.05	1.1	.31	2.4	18	.74
6	.74	.30	.42	.70	.60	.18	.03	.87	.23	9.8	16	.51
7	1.9	.32	6.6	.73	.66	.12	.38	.81	.16	6.9	14	.43
8	17	.65	6.9	.76	.63	.11	.42	.80	.16	4.3	16	.29
9	10	.49	3.4	1.1	.56	.10	.29	.67	.29	6.3	10	.23
10	7.4	.42	2.3	1.0	.40	.09	.15	.61	.25	4.3	12	.19
11	5.9	.38	2.0	.73	.39	.09	.09	.52	.29	3.5	33	.14
12	4.2	.32	1.9	.67	.38	.08	.10	1.6	.28	3.5	21	.11
13	2.9	.30	1.7	.66	.36	.12	.10	1.7	.32	4.1	18	.11
14	2.1	.31	1.4	.58	.37	.58	.40	1.2	.66	3.8	12	.11
15	1.6	.34	1.1	.54	.56	.51	.79	.88	.54	4.1	6.7	.14
16	1.2	.34	.95	.66	.45	.35	.51	.80	.39	4.4	6.4	.13
17	2.5	.39	.97	.55	.29	.24	.43	.74	.28	7.2	10	.12
18	4.9	.45	1.0	.47	.26	.20	.23	.62	.24	6.9	5.5	.09
19	2.3	.53	.83	.45	.29	.19	.13	.59	.24	12	4.0	.10
20	1.3	.52	.68	.46	.40	.22	.12	.49	.15	18	1.9	.12
21	.88	.48	.69	.42	.37	.40	.12	.49	.09	13	1.3	.10
22	.73	.42	.71	.53	.40	.25	.10	.38	.06	12	4.2	.10
23	.59	.26	.76	.62	.40	.20	.86	.37	.41	9.7	4.5	3.0
24	.50	.23	.92	.68	.33	.18	.41	1.1	3.9	7.7	2.9	12
25	.48	.21	.90	.84	.33	.26	.24	2.2	4.9	6.7	2.0	5.6
26	.46	.32	.81	.88	.36	.43	22	1.5	4.5	5.6	1.4	41
27	.39	.29	.90	.71	.31	.38	12	1.0	2.7	4.6	.87	138
28	.37	.25	.94	.70	.29	.30	17	.82	2.0	4.2	.61	114
29	.38	.24	.94	.71	---	.25	12	.62	1.5	4.1	.48	47
30	.33	.30	.92	1.2	---	.19	8.4	.48	1.2	3.5	.42	22
31	.31	---	.93	.83	---	.18	---	.42	---	3.2	.46	---
TOTAL	76.98	10.45	44.58	22.02	12.08	7.38	77.52	36.68	27.88	181.6	244.94	389.60
MEAN	2.48	.35	1.44	.71	.43	.24	2.58	1.18	.93	5.86	7.90	13.0
MAX	17	.65	6.9	1.2	.66	.58	22	5.7	4.9	18	33	138
MIN	.31	.21	.39	.42	.26	.08	.03	.37	.06	1.1	.42	.09
AC-FT	153	21	88	44	24	15	154	73	55	360	486	773

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1952	6.38	42.3	1960	.006	1957
1953	2.38	13.1	1989	.000	1957
1954	1.72	9.70	1954	.000	1957
1955	2.96	22.1	1959	.000	1957
1956	3.18	23.3	1964	.000	1957
1957	7.32	79.3	1960	.026	1956
1958	5.02	55.8	1959	.000	1956
1959	2.37	27.3	1959	.000	1955
1960	3.65	40.8	1959	.000	1955
1961	6.10	56.7	1959	.023	1956
1962	15.5	97.5	1960	.000	1956
1963	16.2	83.3	1979	.000	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1952 - 1997
ANNUAL TOTAL	1016.13	1131.71	
ANNUAL MEAN	2.78	3.10	6.07
HIGHEST ANNUAL MEAN			35.9
LOWEST ANNUAL MEAN			.15
HIGHEST DAILY MEAN	17 Feb 3	138 Sep 27	396 Mar 17 1960
LOWEST DAILY MEAN	.06 Sep 9	.03 Apr 6	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.14 Sep 4	.06 Mar 31	.00 May 15 1953
INSTANTANEOUS PEAK FLOW		160 Sep 27	438 Mar 17 1960
INSTANTANEOUS PEAK STAGE		8.13 Sep 27	9.57 May 18 1979
ANNUAL RUNOFF (AC-FT)	2020	2240	4400
10 PERCENT EXCEEDS	7.3	6.9	16
50 PERCENT EXCEEDS	1.3	.62	1.3
90 PERCENT EXCEEDS	.34	.16	.19

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02306647 SWEETWATER CREEK NEAR TAMPA, FL

LOCATION.--Lat 28°00'49", long 82°32'43", in SW 1/4 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 mi².

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 fair. Creek dry at gage May 16, 1967.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	3.9	2.7	.52	4.3	5.7	3.9	22	2.8	9.1	13	9.5
2	9.0	4.2	6.3	.62	3.8	5.5	3.7	15	3.1	20	14	10
3	8.1	4.2	3.0	.51	3.5	5.3	3.3	11	2.3	17	14	8.3
4	7.3	3.7	1.4	.40	3.8	5.4	3.1	9.3	2.2	12	23	7.0
5	6.6	2.7	.97	.45	4.2	6.0	3.3	7.8	2.0	25	37	8.6
6	10	2.4	.71	.45	5.0	6.0	3.3	7.2	2.0	75	37	5.2
7	36	2.2	59	.43	5.3	5.9	8.5	6.9	2.2	58	29	7.2
8	96	7.7	53	.43	5.7	4.9	9.0	4.8	3.3	30	29	8.4
9	41	5.6	19	2.1	5.9	5.1	4.7	2.0	6.5	28	25	6.0
10	22	3.8	9.4	6.1	6.5	4.9	3.3	2.2	5.5	21	36	4.5
11	15	3.0	6.1	4.3	6.6	.78	3.1	e3.5	5.8	16	92	3.9
12	11	2.2	4.9	3.2	6.4	.61	4.2	e5.2	5.0	18	71	3.9
13	8.4	2.0	3.8	2.5	5.3	1.1	4.4	e5.8	5.0	21	60	4.2
14	6.8	1.6	3.5	2.7	4.7	4.2	8.9	e4.9	5.5	22	42	11
15	5.7	1.6	3.2	2.4	6.9	6.1	12	e4.0	3.6	29	29	7.0
16	4.9	1.4	2.6	2.3	3.5	8.6	5.6	3.9	1.3	32	24	6.0
17	12	1.3	2.0	2.1	3.2	5.1	3.3	3.5	.56	25	40	6.7
18	37	1.3	1.7	2.0	3.4	4.2	2.0	3.4	.55	22	35	5.2
19	17	1.2	1.6	1.9	4.8	2.7	2.2	3.0	1.2	26	23	4.9
20	11	1.1	1.4	2.2	5.3	1.2	1.7	3.0	1.3	36	16	4.4
21	8.3	1.1	.92	1.5	5.5	5.4	2.1	3.0	1.3	31	12	4.3
22	6.7	1.1	.70	1.6	7.0	7.9	2.3	2.9	1.4	25	27	4.1
23	5.6	1.2	.47	1.6	6.5	9.1	9.4	2.8	3.2	20	33	52
24	5.1	1.4	.37	1.7	6.1	7.3	10	2.4	24	21	22	106
25	4.6	1.5	.36	3.3	6.2	7.7	4.8	5.6	83	23	16	41
26	4.3	3.5	.27	4.1	7.5	11	154	5.5	53	17	12	282
27	4.2	3.1	.31	3.5	6.0	9.8	80	4.4	21	14	10	677
28	4.1	2.0	.49	3.3	5.7	8.2	87	5.6	12	13	8.7	468
29	4.0	1.5	.50	3.4	---	6.5	71	5.4	14	12	8.8	250
30	4.0	1.4	.49	5.5	---	5.3	35	3.3	9.2	12	8.8	158
31	3.9	---	.45	4.7	---	4.9	---	2.6	---	11	8.8	---
TOTAL	431.6	74.9	191.61	71.81	148.6	172.39	549.1	171.9	283.81	741.1	856.1	2174.3
MEAN	13.9	2.50	6.18	2.32	5.31	5.56	18.3	5.55	9.46	23.9	27.6	72.5
MAX	96	7.7	59	6.1	7.5	11	154	22	83	75	92	677
MIN	3.9	1.1	.27	.40	3.2	.61	1.7	2.0	.55	9.1	8.7	3.9
CFSM	.97	.17	.43	.16	.37	.39	1.28	.39	.66	1.67	1.93	5.07
IN.	1.12	.19	.50	.19	.39	.45	1.43	.45	.74	1.93	2.23	5.66

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	20.7	10.6	7.06	10.8	9.08	14.3	11.9	7.68	16.7	28.6	40.3	46.6
MAX	59.0	46.3	23.2	20.2	24.0	58.6	49.1	29.7	35.9	53.1	97.3	127
(WY)	1996	1989	1990	1996	1996	1987	1987	1996	1996	1994	1995	1988
MIN	3.85	2.50	2.64	2.32	3.72	2.50	1.62	1.37	5.92	6.52	8.65	7.44
(WY)	1992	1997	1992	1997	1994	1994	1989	1995	1990	1993	1993	1990

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1986 - 1997
ANNUAL TOTAL	5891.81	5867.22	
ANNUAL MEAN	16.1	16.1	18.7
HIGHEST ANNUAL MEAN			25.4
LOWEST ANNUAL MEAN			10.4
HIGHEST DAILY MEAN	154	677	677
LOWEST DAILY MEAN	.27	.27	.27
ANNUAL SEVEN-DAY MINIMUM	.40	.40	.36
INSTANTANEOUS PEAK FLOW		811	811
INSTANTANEOUS PEAK STAGE		13.60	13.60
ANNUAL RUNOFF (CFSM)	1.13	1.12	1.31
ANNUAL RUNOFF (INCHES)	15.33	15.26	17.81
10 PERCENT EXCEEDS	41	30	48
50 PERCENT EXCEEDS	9.9	5.3	7.5
90 PERCENT EXCEEDS	1.9	1.3	2.0

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

02306654 HENRY STREET CANAL NEAR TAMPA, FL

LOCATION.--Lat 27°59'59", long 82°33'05", in SE¹/₄ 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	e4.8	8.1	3.3	e2.6	1.7	1.5	7.8	3.4	12	6.6	7.5
2	12	e4.7	10	3.1	e2.2	1.7	1.4	6.4	6.0	15	10	6.5
3	11	e4.7	7.8	3.0	e1.8	1.6	1.4	5.6	4.0	8.9	11	6.0
4	11	e4.2	8.1	2.9	e2.0	1.6	1.3	5.2	3.3	7.7	31	5.8
5	11	e3.4	7.8	3.1	e2.2	1.5	1.2	4.7	3.2	33	53	5.4
6	20	e2.7	7.7	2.9	e2.4	1.6	1.2	4.5	3.2	49	17	5.1
7	41	e7.0	54	2.7	e2.6	1.4	14	4.3	3.2	17	16	4.9
8	144	e9.8	22	2.6	e2.8	1.3	4.5	4.1	4.0	16	11	4.7
9	25	e7.2	11	6.4	e3.1	1.2	2.3	4.0	6.8	12	9.1	4.5
10	e9.4	e4.9	8.8	5.9	e3.2	1.2	1.8	4.0	4.4	9.4	35	4.4
11	e5.8	7.0	8.3	3.6	e3.2	1.0	1.6	3.9	3.9	14	38	4.3
12	e4.2	6.5	7.7	3.0	e3.3	1.1	2.6	12	3.6	12	25	4.1
13	e3.8	6.4	7.4	2.7	e3.0	1.4	1.8	7.9	4.0	10	14	4.3
14	e3.4	6.3	7.2	e2.8	e2.6	6.8	8.1	5.3	3.6	28	12	4.2
15	e3.4	6.2	7.1	e2.6	e3.1	3.2	8.8	4.7	3.3	21	10	4.1
16	e4.0	6.1	6.9	e2.4	e2.7	2.5	3.6	4.5	3.2	13	49	4.2
17	e9.0	6.1	6.8	e2.3	e2.4	2.2	2.7	4.4	3.1	11	33	4.0
18	e65	6.1	6.5	e2.1	e2.6	2.2	2.2	4.4	3.0	9.2	12	4.0
19	e40	5.6	6.4	e2.0	e2.8	2.7	1.9	4.0	3.0	31	9.9	3.8
20	e22	5.0	6.0	e2.3	e3.0	2.9	1.9	3.8	3.0	20	8.9	3.7
21	e16	5.6	5.8	e2.0	e3.1	6.5	1.8	3.7	2.9	11	9.4	3.7
22	e11	6.4	5.6	e1.7	e3.3	3.2	1.9	3.6	3.8	9.4	60	3.6
23	e8.2	5.6	5.2	e1.8	e3.0	2.8	19	3.4	4.8	9.0	12	79
24	e7.0	4.6	4.9	e1.9	e2.5	2.2	5.4	3.5	28	14	9.6	43
25	e6.4	4.6	4.7	e2.6	1.7	2.8	2.8	4.4	42	13	8.5	14
26	e6.0	9.5	4.5	e2.9	1.7	5.1	245	3.5	17	9.2	7.8	440
27	e5.7	6.1	4.3	e2.8	1.7	2.6	31	3.2	9.1	8.4	7.4	464
28	e5.4	5.4	4.2	e2.6	1.6	2.1	74	6.4	19	7.8	6.9	96
29	e5.1	5.2	3.9	e2.7	---	1.9	20	4.7	12	7.6	6.7	37
30	e5.0	5.2	3.6	e3.4	---	1.9	11	3.7	7.9	7.3	6.4	26
31	e4.9	---	3.3	e3.0	---	1.7	---	3.3	---	7.0	6.2	---
TOTAL	539.7	172.9	265.6	89.1	72.2	73.6	477.7	148.9	221.7	452.9	552.4	1301.8
MEAN	17.4	5.76	8.57	2.87	2.58	2.37	15.9	4.80	7.39	14.6	17.8	43.4
MAX	144	9.8	54	6.4	3.3	6.8	245	12	42	49	60	464
MIN	3.4	2.7	3.3	1.7	1.6	1.0	1.2	3.2	2.9	7.0	6.2	3.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	11.0	7.95	5.87	8.37	6.68	9.98	7.11	4.05	13.7	19.0	24.3	23.4
MAX	19.7	20.4	15.4	15.8	12.6	33.6	15.9	10.9	33.8	34.6	55.3	73.8
(WY)	1996	1989	1990	1996	1993	1987	1997	1987	1995	1995	1995	1988
MIN	3.28	4.50	2.93	2.87	2.58	1.51	1.84	.67	7.39	12.2	11.7	8.76
(WY)	1989	1990	1996	1997	1997	1994	1989	1992	1997	1993	1990	1990

e Estimated

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1986 - 1997
ANNUAL TOTAL	4422.3	4368.5	
ANNUAL MEAN	12.1	12.0	11.9
HIGHEST ANNUAL MEAN			16.6
LOWEST ANNUAL MEAN			7.71
HIGHEST DAILY MEAN	144	464	464
LOWEST DAILY MEAN	1.3	1.0	.10
ANNUAL SEVEN-DAY MINIMUM	1.6	1.2	.13
INSTANTANEOUS PEAK FLOW		1210	1210
INSTANTANEOUS PEAK STAGE		12.60	12.60
10 PERCENT EXCEEDS	25	19	25
50 PERCENT EXCEEDS	7.0	4.8	5.3
90 PERCENT EXCEEDS	2.9	1.9	2.0

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02306774 ROCKY CREEK AT STATE HIGHWAY 587 NEAR CITRUS PARK, FL

LOCATION.--Lat 28°03'55", long 82°34'00", in NW 1/4 sec.12, T.28 S., R.17 E., Hillsborough County, Hydrologic Unit 03100206, near left bank, 100 ft south 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. Prior to Apr. 2, 1997, near left bank 20 ft north of bridge.

DRAINAGE AREA.--17.8 mi².

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).

REMARKS.--Records good except for bridge construction period Apr. 2 to Sept. 30 which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	3.9	1.2	1.0	.77	.51	.49	1.8	.48	1.6	5.9	5.1
2	12	3.6	1.5	1.0	.76	.49	.50	1.6	.51	1.5	7.8	5.2
3	13	3.4	1.4	1.0	.76	.47	.43	1.2	.49	1.5	6.7	5.3
4	13	3.1	1.3	1.0	.75	.47	.43	.94	.44	1.3	10	5.7
5	13	2.7	1.3	1.0	.73	.47	.47	.79	.47	1.3	11	5.2
6	12	2.4	1.3	.99	.73	.46	.45	.67	.45	1.9	12	4.5
7	14	2.2	8.1	.99	.64	.44	.38	.57	.38	2.1	9.3	4.4
8	39	2.6	11	.98	.63	.42	.35	.49	.38	1.9	7.5	4.2
9	38	2.7	6.2	.99	.65	.42	.32	.48	.44	3.7	6.5	3.8
10	31	2.2	4.5	1.4	.64	.46	.30	.43	.48	2.4	6.1	3.6
11	28	1.8	3.4	1.2	.69	.46	.32	.38	.47	1.9	6.5	3.2
12	25	1.5	2.9	1.1	.67	.45	.35	.52	.43	3.7	7.2	2.8
13	22	1.4	2.3	1.1	.63	.45	.36	.56	.37	4.3	11	2.4
14	19	1.4	2.1	.97	.62	.47	.43	.45	.40	2.4	7.5	2.2
15	17	1.4	1.8	.88	.59	.46	.47	.40	.41	2.1	7.6	2.1
16	16	1.3	1.6	.88	.59	.45	.45	.42	.36	1.9	8.0	2.0
17	14	1.3	1.4	.97	.59	.46	.41	.57	.37	4.8	8.3	1.9
18	13	1.2	1.3	.98	.58	.46	.36	.67	.34	3.8	8.0	2.3
19	12	1.2	1.4	.93	.58	.46	.36	.73	.32	4.8	7.7	2.1
20	10	1.2	1.4	.91	.58	.47	.37	.62	.32	44	8.1	2.0
21	9.1	1.2	1.3	.87	.58	.49	.41	.85	.29	26	8.0	1.9
22	8.3	1.2	1.2	.83	.57	.51	.47	.61	.33	9.6	7.9	1.8
23	7.8	1.3	1.2	.81	.54	.51	.48	.55	.37	6.8	7.4	2.2
24	7.3	1.3	1.2	.80	.53	.49	.47	.57	.94	5.9	7.4	4.8
25	6.7	1.2	1.2	.78	.53	.48	.47	.64	2.2	5.1	7.3	3.5
26	6.3	1.3	1.1	.81	.52	.48	2.1	.53	2.8	4.5	6.7	21
27	5.7	1.3	1.1	.80	.52	.47	13	.49	2.2	5.6	6.3	114
28	5.2	1.3	1.1	.78	.51	.47	3.5	.46	1.9	9.1	5.9	124
29	4.8	1.3	1.1	.79	---	.46	7.1	.59	1.8	6.4	5.9	79
30	4.5	1.2	1.1	.78	---	.47	2.2	.51	1.7	5.4	5.7	65
31	4.3	---	1.0	.78	---	.48	---	.49	---	5.0	5.3	---
TOTAL	442.0	55.1	70.0	29.10	17.48	14.51	38.20	20.58	22.84	182.3	236.5	487.2
MEAN	14.3	1.84	2.26	.94	.62	.47	1.27	.66	.76	5.88	7.63	16.2
MAX	39	3.9	11	1.4	.77	.51	13	1.8	2.8	44	12	124
MIN	4.3	1.2	1.0	.78	.51	.42	.30	.38	.29	1.3	5.3	1.8
CFSM	.80	.10	.13	.05	.04	.03	.07	.04	.04	.33	.43	.91
IN.	.92	.12	.15	.06	.04	.03	.08	.04	.05	.38	.49	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	13.7	5.69	3.70	4.71	5.70	8.27	6.83	1.21	4.35	10.3	16.5	26.3
MAX	56.6	35.5	26.6	12.6	17.3	38.9	41.7	3.54	13.5	29.5	72.4	127
(WY)	1996	1989	1989	1989	1996	1987	1991	1991	1991	1991	1991	1988
MIN	.009	.051	.16	.19	.34	.060	.002	.033	.004	.36	.061	.52
(WY)	1994	1994	1994	1992	1994	1994	1994	1992	1994	1992	1993	1993

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1986 - 1997
ANNUAL TOTAL	3782.64	1615.81	
ANNUAL MEAN	10.3	4.43	8.94
HIGHEST ANNUAL MEAN			16.9
LOWEST ANNUAL MEAN			2.16
HIGHEST DAILY MEAN	65 Aug 13	124 Sep 28	336 Sep 9 1988
LOWEST DAILY MEAN	.66 Jun 8	.29 Jun 21	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	1.0 Jun 3	.33 Jun 16	.00 Apr 25 1990
INSTANTANEOUS PEAK FLOW			360 Sep 9 1988
INSTANTANEOUS PEAK STAGE			25.24 Sep 9 1988
ANNUAL RUNOFF (CFSM)	.58	.25	.50
ANNUAL RUNOFF (INCHES)	7.91	3.38	6.82
10 PERCENT EXCEEDS	23	9.1	23
50 PERCENT EXCEEDS	7.9	1.2	2.5
90 PERCENT EXCEEDS	1.3	.44	.13

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

02306904 BRUSHY CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°05'03", long 82°31'29", in NE 1/4 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 mi².

PERIOD OF RECORD.--May 1946 to March 1953, April 1980 to October 1981, October 1987 to September 1996 (miscellaneous measurements only); October 1996 to September 1997 (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 CURRENT YEAR.--Maximum gage height, 12.39 ft, Sept. 27; minimum, 6.66 ft, Apr. 5, 6.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.67	7.12	7.08	6.94	6.89	6.87	6.69	7.77	7.03	7.10	8.25	7.20
2	7.54	7.13	7.22	6.94	6.87	6.87	6.68	7.54	7.01	7.08	8.83	7.30
3	7.52	7.16	7.07	6.93	6.86	6.87	6.68	7.43	6.92	7.06	8.31	7.23
4	7.45	7.08	7.00	6.92	6.86	6.87	6.68	7.31	6.88	6.99	8.38	7.52
5	7.39	7.06	6.97	6.92	6.86	6.87	6.67	7.20	6.84	6.99	8.38	7.31
6	7.46	7.05	6.97	6.92	6.86	6.82	6.68	7.13	6.81	7.86	8.68	7.19
7	7.97	7.05	8.11	6.91	6.85	6.74	6.76	7.07	6.79	7.76	8.25	7.11
8	9.38	7.32	8.12	6.90	6.87	6.73	6.75	7.03	6.83	7.65	8.00	7.08
9	8.50	7.25	7.55	7.10	6.86	6.73	6.73	7.00	7.33	8.49	7.76	7.04
10	8.09	7.12	7.36	7.27	6.86	6.72	6.71	6.99	7.06	7.89	7.72	7.00
11	7.83	7.07	7.29	7.04	6.86	6.72	6.72	6.95	6.91	7.60	8.33	6.98
12	7.69	7.04	7.24	6.96	6.86	6.72	6.75	7.39	6.88	8.06	8.82	6.97
13	7.56	7.02	7.21	6.92	6.87	6.74	6.73	7.40	6.94	8.55	9.40	6.98
14	7.49	7.02	7.18	6.91	6.86	7.06	7.03	7.16	7.08	7.95	8.60	6.98
15	7.46	7.01	7.15	6.90	6.86	6.92	7.30	7.06	7.05	7.79	8.21	6.99
16	7.43	7.01	7.11	6.93	6.86	6.81	6.97	7.01	6.91	7.91	7.98	6.94
17	7.45	6.99	7.08	6.90	6.85	6.76	6.87	7.01	6.89	8.81	7.79	6.92
18	7.55	7.00	7.07	6.88	6.85	6.73	6.80	6.95	6.87	8.30	7.67	6.94
19	7.44	7.00	7.04	6.86	6.86	6.72	6.75	6.92	6.80	8.35	7.63	6.91
20	7.39	7.00	7.02	6.86	6.87	6.73	6.74	6.88	6.76	10.12	7.57	6.89
21	7.35	7.01	7.01	6.86	6.86	6.85	6.73	6.86	6.73	8.94	7.61	6.88
22	7.32	7.00	7.01	6.85	6.87	6.81	6.73	6.86	6.76	8.45	7.95	6.87
23	7.29	6.99	7.00	6.85	6.88	6.76	7.15	6.84	6.79	8.17	7.80	6.95
24	7.28	6.98	6.99	6.84	6.87	6.73	7.19	7.08	7.39	8.23	7.59	8.07
25	7.27	6.97	6.99	6.91	6.87	6.80	6.93	7.33	8.01	8.07	7.50	7.63
26	7.26	7.15	6.98	6.93	6.87	7.03	8.85	7.05	8.09	7.82	7.49	9.08
27	7.21	7.03	6.97	6.87	6.86	6.86	8.57	6.92	7.57	8.11	7.42	11.66
28	7.18	6.99	6.97	6.86	6.87	6.79	8.83	6.88	7.35	8.83	7.36	10.72
29	7.16	6.98	6.96	6.86	---	6.75	8.50	6.86	7.31	8.42	7.33	9.65
30	7.15	6.98	6.95	6.94	---	6.72	8.09	6.85	7.16	8.18	7.28	9.22
31	7.14	---	6.95	6.90	---	6.71	---	6.88	---	7.99	7.23	---
MEAN	7.54	7.05	7.15	6.92	6.86	6.80	7.11	7.08	7.06	8.05	7.97	7.61
MAX	9.38	7.32	8.12	7.27	6.89	7.06	8.85	7.77	8.09	10.12	9.40	11.66
MIN	7.14	6.97	6.95	6.84	6.85	6.71	6.67	6.84	6.73	6.99	7.23	6.87

WTR YR 1997 MEAN 7.27 MAX 11.66 MIN 6.67

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02306950 BRUSHY CREEK NEAR CITRUS PARK, FL

LOCATION.--Lat 28°03'53", long 82°33'20", in SW¹/₄ 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	2.2	1.4	2.1	5.8	.88	.63	27	1.6	6.6	24	6.0
2	13	2.1	4.6	2.1	6.4	.80	.46	20	2.3	4.1	40	11
3	12	2.2	5.6	2.0	5.9	.74	.39	12	18	3.1	33	13
4	11	2.1	8.7	2.0	5.4	.71	.36	9.6	32	4.4	49	14
5	7.2	1.8	7.7	2.0	5.4	.71	.27	7.3	31	11	39	27
6	6.1	1.7	6.8	1.9	3.8	.71	.24	6.7	27	23	40	12
7	13	1.6	22	1.9	1.9	.67	.31	5.5	4.8	29	32	4.5
8	54	2.8	53	1.8	1.8	.59	.69	4.7	4.5	15	30	3.7
9	59	5.5	26	2.3	1.9	.53	.65	4.0	6.9	27	25	3.2
10	37	3.4	13	11	1.9	.49	.42	3.4	8.5	23	26	2.8
11	23	2.4	9.4	9.6	1.8	.45	.36	3.0	6.6	18	50	2.6
12	16	1.9	7.7	8.2	1.7	.45	.45	4.0	5.2	25	50	2.6
13	14	1.7	6.4	7.3	1.6	.45	.52	10	4.3	43	70	3.0
14	12	1.6	6.8	6.0	1.5	1.9	.98	7.0	6.5	27	47	2.5
15	10	1.4	9.3	5.8	1.6	3.0	8.3	4.9	7.2	19	36	2.2
16	6.8	1.3	9.4	5.5	1.8	1.9	7.8	3.8	5.1	18	29	2.0
17	6.5	1.3	8.2	4.6	2.9	1.3	4.3	3.3	8.5	44	22	1.9
18	12	1.2	7.0	2.3	4.8	1.0	2.7	3.1	10	37	20	2.0
19	10	1.2	3.5	1.9	4.6	.81	1.7	2.3	8.7	33	20	1.9
20	9.8	1.2	e3.0	2.1	4.8	.78	1.2	1.9	21	96	15	1.6
21	9.1	1.2	2.4	1.7	4.6	1.4	.89	1.7	20	65	14	1.3
22	8.2	1.2	3.8	1.6	3.3	1.7	.75	1.4	19	42	17	1.1
23	7.9	1.1	7.1	1.6	1.7	1.4	1.9	1.3	21	34	21	5.3
24	6.4	1.0	6.4	1.6	1.5	1.2	11	1.3	29	24	19	26
25	3.9	.88	6.7	1.9	1.3	1.0	7.2	4.6	55	22	15	16
26	3.4	2.0	4.5	3.3	1.1	2.1	35	4.7	27	20	12	104
27	3.0	2.7	5.5	2.8	1.1	2.5	85	3.1	17	21	9.6	474
28	2.8	1.7	2.5	2.3	.95	1.7	49	2.5	12	45	8.5	308
29	2.6	1.4	2.3	2.1	---	1.3	59	2.4	9.2	29	7.6	118
30	2.5	1.3	2.2	2.8	---	1.0	36	1.8	16	26	7.0	71
31	2.4	---	2.1	6.0	---	.77	---	1.5	---	22	6.5	---
TOTAL	400.6	55.08	265.0	110.1	82.85	34.94	318.47	169.8	444.9	856.2	834.2	1244.2
MEAN	12.9	1.84	8.55	3.55	2.96	1.13	10.6	5.48	14.8	27.6	26.9	41.5
MAX	59	5.5	53	11	6.4	3.0	85	27	55	96	70	474
MIN	2.4	.88	1.4	1.6	.95	.45	.24	1.3	1.6	3.1	6.5	1.1

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1997, BY WATER YEAR (WY)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	18.4	4.24	5.18	9.66	8.23	5.58	7.19	3.93	15.5	20.6	28.2	25.8
MAX	41.6	6.33	8.55	13.5	16.2	12.8	11.3	5.48	23.2	27.6	38.3	41.5
(WY)	1996	1996	1997	1996	1996	1996	1996	1997	1995	1997	1994	1997
MIN	4.16	1.84	2.39	3.55	2.96	1.13	2.29	.77	7.01	8.29	13.8	14.7
(WY)	1994	1997	1994	1997	1997	1997	1994	1995	1994	1996	1996	1996

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1994 - 1997
ANNUAL TOTAL	4145.33	4816.34	
ANNUAL MEAN	11.3	13.2	12.7
HIGHEST ANNUAL MEAN			13.7
LOWEST ANNUAL MEAN			10.7
HIGHEST DAILY MEAN	77	474	474
LOWEST DAILY MEAN	.88	.24	.01
ANNUAL SEVEN-DAY MINIMUM	1.1	.38	.08
INSTANTANEOUS PEAK FLOW		580	580
INSTANTANEOUS PEAK STAGE		11.13	11.13
10 PERCENT EXCEEDS	25	31	31
50 PERCENT EXCEEDS	7.8	4.6	6.3
90 PERCENT EXCEEDS	1.9	1.0	1.3

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

02306950 BRUSHY CREEK NEAR CITRUS PARK, FL--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	2.62	2.56	2.60	2.86	2.47	2.43	3.74	2.56	2.90	3.30	2.63
2	3.25	2.60	2.80	2.59	2.89	2.46	2.41	3.50	2.64	2.76	3.81	2.84
3	3.18	2.61	2.85	2.59	2.86	2.45	2.40	3.20	3.29	2.70	3.58	2.92
4	3.16	2.61	2.99	2.58	2.83	2.45	2.39	3.07	3.89	2.76	4.06	2.97
5	2.94	2.58	2.95	2.58	2.83	2.45	2.38	2.95	3.83	3.01	3.77	3.43
6	2.87	2.57	2.90	2.58	2.72	2.44	2.37	2.92	3.67	3.46	3.79	2.89
7	3.19	2.56	3.44	2.57	2.57	2.44	2.38	2.84	2.85	3.61	3.52	2.60
8	4.56	2.67	4.45	2.57	2.56	2.43	2.44	2.80	2.83	3.10	3.45	2.57
9	4.71	2.87	3.62	2.61	2.58	2.42	2.44	2.75	2.96	3.58	3.29	2.55
10	4.06	2.73	3.17	3.07	2.57	2.42	2.40	2.70	3.03	3.42	3.29	2.53
11	3.60	2.65	3.02	3.03	2.56	2.41	2.39	2.67	2.95	3.24	4.05	2.53
12	3.34	2.60	2.95	2.97	2.55	2.41	2.41	2.74	2.88	3.48	4.05	2.53
13	3.28	2.58	2.89	2.93	2.54	2.41	2.42	3.12	2.83	4.07	4.59	2.56
14	3.19	2.57	2.90	2.86	2.53	2.56	2.47	2.95	2.93	3.56	3.93	2.53
15	3.12	2.56	3.01	2.85	2.54	2.67	2.99	2.82	2.97	3.26	3.59	2.51
16	2.93	2.55	3.02	2.83	2.57	2.58	2.97	2.74	2.86	3.22	3.38	2.51
17	2.91	2.54	2.97	2.77	2.65	2.51	2.76	2.71	3.02	4.06	3.15	2.50
18	3.19	2.53	2.92	2.60	2.79	2.48	2.65	2.68	3.08	3.85	3.08	2.51
19	3.11	2.53	2.73	2.58	2.78	2.46	2.56	2.63	3.00	3.69	3.07	2.51
20	3.09	2.53	---	2.59	2.79	2.46	2.50	2.58	3.49	5.43	2.92	2.49
21	3.06	2.53	2.63	2.56	2.78	2.53	2.47	2.56	3.44	4.63	2.89	2.48
22	3.01	2.54	2.74	2.55	2.68	2.56	2.45	2.54	3.40	3.98	2.99	2.46
23	2.99	2.52	2.92	2.54	2.55	2.53	2.55	2.53	3.47	3.72	3.13	2.64
24	2.91	2.51	2.89	2.54	2.54	2.50	3.14	2.53	3.74	3.38	3.07	3.50
25	2.74	2.50	2.90	2.57	2.51	2.48	2.93	2.80	4.55	3.30	2.93	3.17
26	2.71	2.62	2.78	2.68	2.50	2.59	3.88	2.82	3.69	3.21	2.83	4.89
27	2.69	2.69	2.84	2.65	2.49	2.63	5.41	2.69	3.32	3.22	2.76	10.02
28	2.66	2.61	2.63	2.60	2.47	2.56	4.43	2.64	3.13	4.02	2.71	8.10
29	2.64	2.57	2.61	2.59	---	2.51	4.73	2.65	3.03	3.51	2.68	5.48
30	2.64	2.55	2.60	2.65	---	2.48	4.04	2.59	3.20	3.39	2.66	4.63
31	2.63	---	2.60	2.86	---	2.46	---	2.55	---	3.23	2.64	---
MEAN	3.15	2.59	---	2.68	2.65	2.49	2.87	2.81	3.22	3.51	3.32	3.35
MAX	4.71	2.87	---	3.07	2.89	2.67	5.41	3.74	4.55	5.43	4.59	10.02
MIN	2.63	2.50	---	2.54	2.47	2.41	2.37	2.53	2.56	2.70	2.64	2.46

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02307000 ROCKY CREEK NEAR SULPHUR SPRINGS, FL

LOCATION.--Lat 28°02'12", long 82°34'34", in NW¹/₄ 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 mi², 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	34	23	5.8	9.6	3.0	2.5	47	3.7	11	46	18
2	32	34	29	5.8	9.6	3.0	2.6	36	4.4	11	78	19
3	34	35	30	5.7	9.6	3.0	2.9	24	4.4	8.1	68	20
4	34	36	31	5.4	9.4	2.5	3.0	17	4.0	7.1	115	22
5	32	34	29	5.8	9.5	2.5	3.0	11	3.9	17	106	25
6	31	33	27	5.8	8.2	2.5	2.7	8.3	3.6	58	101	24
7	39	35	48	5.6	5.9	2.5	5.2	7.6	3.8	61	83	21
8	94	38	98	5.8	5.4	2.7	2.5	5.8	3.5	35	76	20
9	97	45	63	7.0	5.2	3.0	2.2	5.0	4.7	51	68	21
10	73	43	35	12	5.5	2.2	2.0	5.0	8.8	44	68	22
11	58	37	27	13	4.8	1.5	2.3	5.0	8.7	30	149	22
12	51	34	23	11	4.5	1.5	2.5	7.5	6.1	40	130	23
13	47	32	19	10	4.5	1.6	2.7	15	4.8	75	139	25
14	44	33	17	9.3	4.5	3.2	3.6	14	5.1	51	115	25
15	41	32	19	9.8	4.6	4.6	5.3	10	12	37	89	25
16	37	31	18	8.7	4.2	4.1	7.5	8.2	7.3	30	77	25
17	39	32	15	6.6	4.2	3.5	4.9	6.0	7.3	61	69	7.8
18	55	31	14	5.3	7.0	3.5	3.7	5.7	21	64	37	11
19	49	31	11	4.6	6.6	3.3	3.5	4.9	11	54	27	7.7
20	44	32	8.1	4.9	7.1	3.2	3.4	4.6	4.4	138	25	7.5
21	41	32	7.5	4.5	6.8	4.0	3.3	4.6	4.0	136	23	7.6
22	38	31	7.2	4.5	5.8	4.1	3.0	4.0	3.6	76	29	7.7
23	37	29	9.7	4.8	3.8	4.1	4.8	4.0	5.0	59	32	9.1
24	36	29	8.9	4.5	3.5	3.6	5.7	4.0	19	46	31	61
25	33	26	9.9	5.3	3.0	3.5	6.5	7.1	47	41	26	68
26	33	31	9.4	6.4	3.0	3.6	45	14	48	36	23	113
27	34	29	8.8	6.6	3.0	4.5	100	7.0	34	35	21	582
28	33	25	6.7	6.4	3.0	4.5	81	4.5	18	75	19	720
29	33	22	5.8	5.9	---	3.8	104	4.5	16	57	18	369
30	33	21	5.8	7.3	---	3.0	68	4.3	10	47	18	227
31	34	---	5.8	8.4	---	3.0	---	3.8	---	43	18	---
TOTAL	1348	967	669.6	212.5	161.8	98.6	489.3	309.4	337.1	1534.2	1924	2555.4
MEAN	43.5	32.2	21.6	6.85	5.78	3.18	16.3	9.98	11.2	49.5	62.1	85.2
MAX	97	45	98	13	9.6	4.6	104	47	48	138	149	720
MIN	31	21	5.8	4.5	3.0	1.5	2.0	3.8	3.5	7.1	18	7.5
CFSM	1.24	.92	.62	.20	.17	.09	.47	.29	.32	1.41	1.77	2.43
IN.	1.43	1.03	.71	.23	.17	.10	.52	.33	.36	1.63	2.04	2.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1997, BY WATER YEAR (WY)

	MEAN	36.3	14.7	15.5	20.7	25.0	40.4	22.4	14.8	24.0	45.4	89.5	94.5
MAX	139	117	84.0	84.0	129	298	110	148	123	224	290	396	
(WY)	1996	1989	1954	1964	1964	1960	1987	1979	1982	1960	1959	1979	
MIN	2.21	1.11	1.44	2.35	2.48	2.59	.27	.63	.58	1.86	4.33	8.31	
(WY)	1971	1979	1971	1957	1957	1968	1967	1955	1955	1955	1993	1972	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1954 - 1997
ANNUAL TOTAL	14326.8	10606.9	
ANNUAL MEAN	39.1	29.1	37.0
HIGHEST ANNUAL MEAN			110
LOWEST ANNUAL MEAN			4.73
HIGHEST DAILY MEAN	187	720	2290
LOWEST DAILY MEAN	5.8	1.5	.00
ANNUAL SEVEN-DAY MINIMUM	7.5	2.1	.00
INSTANTANEOUS PEAK FLOW		845	2840
INSTANTANEOUS PEAK STAGE		7.99	17.18
ANNUAL RUNOFF (CFSM)	1.12	.83	1.06
ANNUAL RUNOFF (INCHES)	15.23	11.27	14.36
10 PERCENT EXCEEDS	75	63	90
50 PERCENT EXCEEDS	32	11	13
90 PERCENT EXCEEDS	14	3.4	2.7

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 NE 1/4 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	1.1	.47	1.1	1.3	.03	.00	.63	.00	.00	.30	2.3
2	9.3	1.1	.83	1.1	1.2	.01	.00	.41	.00	.00	.57	2.2
3	8.1	1.1	.82	1.0	1.1	.00	.00	.23	.00	.00	.48	2.2
4	7.2	.93	.72	.96	.97	.00	.00	.11	.00	.00	.61	2.1
5	6.4	.84	.64	.95	.91	.00	.00	.07	.00	.00	1.2	1.9
6	6.1	.73	.61	.91	.86	.00	.00	.03	.00	.00	2.0	1.6
7	8.7	.71	1.1	.87	.83	.00	.00	.00	.00	.00	1.9	1.3
8	15	1.1	2.0	.82	.83	.00	.00	.00	.00	.00	1.6	1.0
9	14	1.4	1.8	.95	.81	.00	.00	.00	.00	.00	1.6	.71
10	13	1.3	1.6	1.4	.79	.00	.00	.00	.00	.00	1.4	.49
11	12	1.1	1.6	1.4	.75	.00	.00	.00	.00	.00	1.2	.33
12	11	.97	1.6	1.3	.71	.00	.00	.00	.00	.00	1.9	.20
13	10	.87	1.6	1.2	.63	.00	.00	.00	.00	.00	4.0	.10
14	9.0	.81	1.5	1.1	.57	.00	.00	.00	.00	.00	5.9	.06
15	8.0	.76	1.4	1.0	.51	.00	.00	.00	.00	.00	4.7	.02
16	7.2	.68	1.4	1.0	.48	.00	.00	.00	.00	.00	3.6	.00
17	6.6	.61	1.4	1.0	.41	.00	.00	.00	.00	.00	3.0	.00
18	5.8	.56	1.4	.94	.36	.00	.00	.00	.00	.00	2.7	.00
19	5.0	.51	1.4	.87	.32	.00	.00	.00	.00	.00	2.5	.00
20	4.3	.48	1.4	.82	.31	.00	.00	.00	.00	.02	2.3	.00
21	3.8	.45	1.3	.76	.25	.00	.00	.00	.00	.05	2.1	.00
22	3.5	.42	1.3	.69	.21	.00	.00	.00	.00	.03	3.1	.00
23	3.0	.38	1.3	.61	.17	.00	.00	.00	.00	.01	3.3	.02
24	2.6	.32	1.2	.54	.12	.00	.00	.00	.00	.00	3.0	.23
25	2.3	.27	1.2	.55	.09	.00	.00	.00	.00	.00	3.1	e.70
26	2.1	.43	1.2	.73	.08	.00	.00	.00	.00	.01	3.6	e1.3
27	1.8	.51	1.2	.77	.06	.00	.01	.00	.00	.11	3.5	e4.5
28	1.6	.47	1.2	.71	.04	.00	.49	.00	.00	.38	3.2	e9.0
29	1.4	.41	1.1	.73	---	.00	1.4	.00	.00	.33	2.9	e21
30	1.3	.39	1.1	1.5	---	.00	.96	.00	.00	.25	2.7	e18
31	1.2	---	1.1	1.5	---	.00	---	.00	---	.16	2.5	---
TOTAL	202.3	21.71	38.49	29.78	15.67	0.04	2.86	1.48	0.00	1.35	76.46	71.26
MEAN	6.53	.72	1.24	.96	.56	.001	.095	.048	.000	.044	2.47	2.38
MAX	15	1.4	2.0	1.5	1.3	.03	1.4	.63	.00	.38	5.9	21
MIN	1.2	.27	.47	.54	.04	.00	.00	.00	.00	.00	.30	.00
AC-FT	401	43	76	59	31	.08	5.7	2.9	.00	2.7	152	141

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1997, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	3.87	1.20	1.47	2.71	2.89	4.32	2.79	.31	1.46	2.99	5.63	9.53				
MAX	14.4	6.91	8.48	13.0	16.4	19.0	16.1	1.46	16.9	15.4	17.8	41.5				
(WY)	1996	1989	1984	1984	1983	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 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1982 - 1997
ANNUAL TOTAL	1249.79	461.40	
ANNUAL MEAN	3.41	1.26	3.26
HIGHEST ANNUAL MEAN			7.07
LOWEST ANNUAL MEAN			.30
HIGHEST DAILY MEAN	16 Apr 1	21 Sep 29	200 Sep 9 1988
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 Jun 4	.00 Mar 3	.00 Nov 26 1981
INSTANTANEOUS PEAK FLOW		Unknown	208 Sep 9 1988
INSTANTANEOUS PEAK STAGE		Unknown	21.53 Sep 9 1988
ANNUAL RUNOFF (AC-FT)	2480	915	2360
10 PERCENT EXCEEDS	7.6	3.0	9.6
50 PERCENT EXCEEDS	2.6	.43	.57
90 PERCENT EXCEEDS	.30	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS

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02307359 BROOKER CREEK NEAR TARPON SPRINGS, FL

LOCATION.--Lat 28°05'45", long 82°41'15", in NE 1/4 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 mi², 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	.67	.04	.35	.94	.52	.05	1.7	.00	2.2	5.8	.00
2	3.3	.56	.18	.37	.73	.47	.03	1.3	.00	2.3	6.5	.00
3	2.9	.51	.11	.36	.59	.38	.01	.91	.00	1.9	9.4	.00
4	2.3	.47	.08	.32	.51	.21	.00	.61	.00	1.1	10	.00
5	1.7	.42	.07	.30	.42	.11	.00	.37	.00	1.8	11	.00
6	1.4	.36	.07	.27	.36	.08	.00	.18	.00	8.7	15	.00
7	5.2	.31	1.3	.26	.31	.06	.00	.08	.00	13	14	.00
8	25	.28	3.1	.26	.33	.04	.00	.05	.00	13	12	.00
9	30	.24	2.1	.43	.42	.03	.00	.03	.00	10	11	.00
10	27	.20	1.6	1.1	.36	.02	.00	.01	.00	6.7	8.6	.00
11	22	.15	1.4	1.0	.33	.01	.00	.00	.00	5.8	6.2	.00
12	21	.11	1.3	.97	.27	.00	.00	.04	.00	18	4.3	.00
13	23	.08	1.1	.85	.23	.00	.00	.14	.00	16	3.1	.00
14	24	.08	.88	.86	.19	.41	.01	.07	.00	12	2.2	.00
15	22	.07	.64	.78	.21	.56	.11	.05	.00	8.9	1.4	.00
16	18	.06	.54	.76	.26	.35	.07	.04	.00	6.1	.90	.00
17	15	.05	.47	.69	.22	.15	.05	.03	.00	8.0	.51	.06
18	12	.04	.40	.58	.14	.08	.03	.02	.00	28	.29	.04
19	9.3	.04	.38	.51	.23	.06	.02	.01	.00	39	.18	.02
20	7.3	.04	.41	.47	1.0	.06	.01	.00	.00	52	.10	.01
21	5.6	.04	.38	.42	.96	.57	.01	.00	.00	46	.07	.00
22	4.2	.04	.35	.37	.87	.66	.00	.00	.00	34	.05	.00
23	3.3	.04	.29	.32	.86	.52	.03	.00	.00	23	.03	.00
24	2.8	.03	.31	.28	.76	.44	.07	.00	.62	17	.02	.00
25	2.5	.03	.29	.36	.69	.31	.04	.00	2.5	14	.01	.00
26	2.1	.05	.29	.56	.60	.65	.52	.00	2.1	12	.00	1.3
27	1.8	.06	.30	.51	.51	.57	.59	.00	2.0	10	.00	18
28	1.4	.04	.30	.46	.50	.42	2.4	.00	3.8	9.1	.00	30
29	1.2	.03	.31	.44	---	.28	3.9	.03	4.1	9.2	.00	41
30	1.0	.02	.33	.98	---	.16	2.4	.02	3.0	7.8	.00	39
31	.89	---	.34	1.1	---	.08	---	.01	---	6.4	.00	---
TOTAL	302.39	5.12	19.66	17.29	13.80	8.26	10.35	5.70	18.12	443.0	122.66	129.43
MEAN	9.75	.17	.63	.56	.49	.27	.34	.18	.60	14.3	3.96	4.31
MAX	30	.67	3.1	1.1	1.0	.66	3.9	1.7	4.1	52	15	41
MIN	.89	.02	.04	.26	.14	.00	.00	.00	.00	1.1	.00	.00
CFSM	.33	.01	.02	.02	.02	.01	.01	.01	.02	.48	.13	.14
IN.	.37	.01	.02	.02	.02	.01	.01	.01	.02	.55	.15	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

	MEAN	20.9	6.63	6.79	10.3	13.5	24.0	11.8	3.10	6.00	19.2	44.8	51.0
MAX	80.1	31.9	66.1	66.7	81.6	255	101	49.0	92.6	152	276	279	
(WY)	1954	1989	1970	1970	1970	1960	1959	1979	1974	1960	1959	1959	
MIN	.012	.002	.010	.003	.048	.030	.000	.000	.000	.001	.019	.69	
(WY)	1973	1979	1992	1957	1968	1968	1956	1956	1951	1971	1993	1993	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1951 - 1997
ANNUAL TOTAL	4335.59	1095.78	
ANNUAL MEAN	11.8	3.00	18.2
HIGHEST ANNUAL MEAN			86.8
LOWEST ANNUAL MEAN			1.97
HIGHEST DAILY MEAN	92 Aug 13	52 Jul 20	1540 Mar 17 1960
LOWEST DAILY MEAN	.00 Jun 10	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.01 Jun 5	.00 Apr 4	.00 May 17 1951
INSTANTANEOUS PEAK FLOW		54 Jul 20	1600 Mar 17 1960
INSTANTANEOUS PEAK STAGE		10.52 Jul 20	13.32 Mar 17 1960
ANNUAL RUNOFF (CFSM)	.39	.10	.61
ANNUAL RUNOFF (INCHES)	5.38	1.36	8.24
10 PERCENT EXCEEDS	31	10	48
50 PERCENT EXCEEDS	5.4	.32	3.1
90 PERCENT EXCEEDS	.08	.00	.00

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
TAMPA BAY AND COASTAL AREAS
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 1996 TO SEPTEMBER 1997

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	GAGE HEIGHT (FEET) (00065)	DIS- CHARGE, 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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN 29...	0850	--	7.96	0.44	227	6.1	13.5	160	2.8
MAR 07...	0850	--	7.52	0.06	297	5.7	15.0	160	2.6
JUL 31...	0915	--	8.59	6.7	181	6.2	26.0	--	3.2
SEP 28...	1330	--	9.96	30	272	6.2	25.5	--	2.7
28...	1331	1.00	--	--	272	6.3	25.5	--	2.8
28...	1332	3.50	--	--	271	6.1	25.5	--	2.7

DATE	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F) (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
JAN 29...	21	2.9	17	2.2	5.0	42	0.10	6.4	184
MAR 07...	27	3.2	21	2.3	4.1	54	0.10	4.8	252
JUL 31...	--	--	--	--	--	--	--	--	--
SEP 28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	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 TOTAL (MG/L) AS P) (70507)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)
JAN 29...	--	0.010	0.020	0.030	1.0	0.040	0.020	60
MAR 07...	--	0.010	0.070	0.060	1.3	0.100	0.040	80
JUL 31...	--	0.014	0.030	0.050	1.6	0.070	0.050	--
SEP 28...	1	<0.010	0.030	0.040	1.2	0.020	0.020	--
28...	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

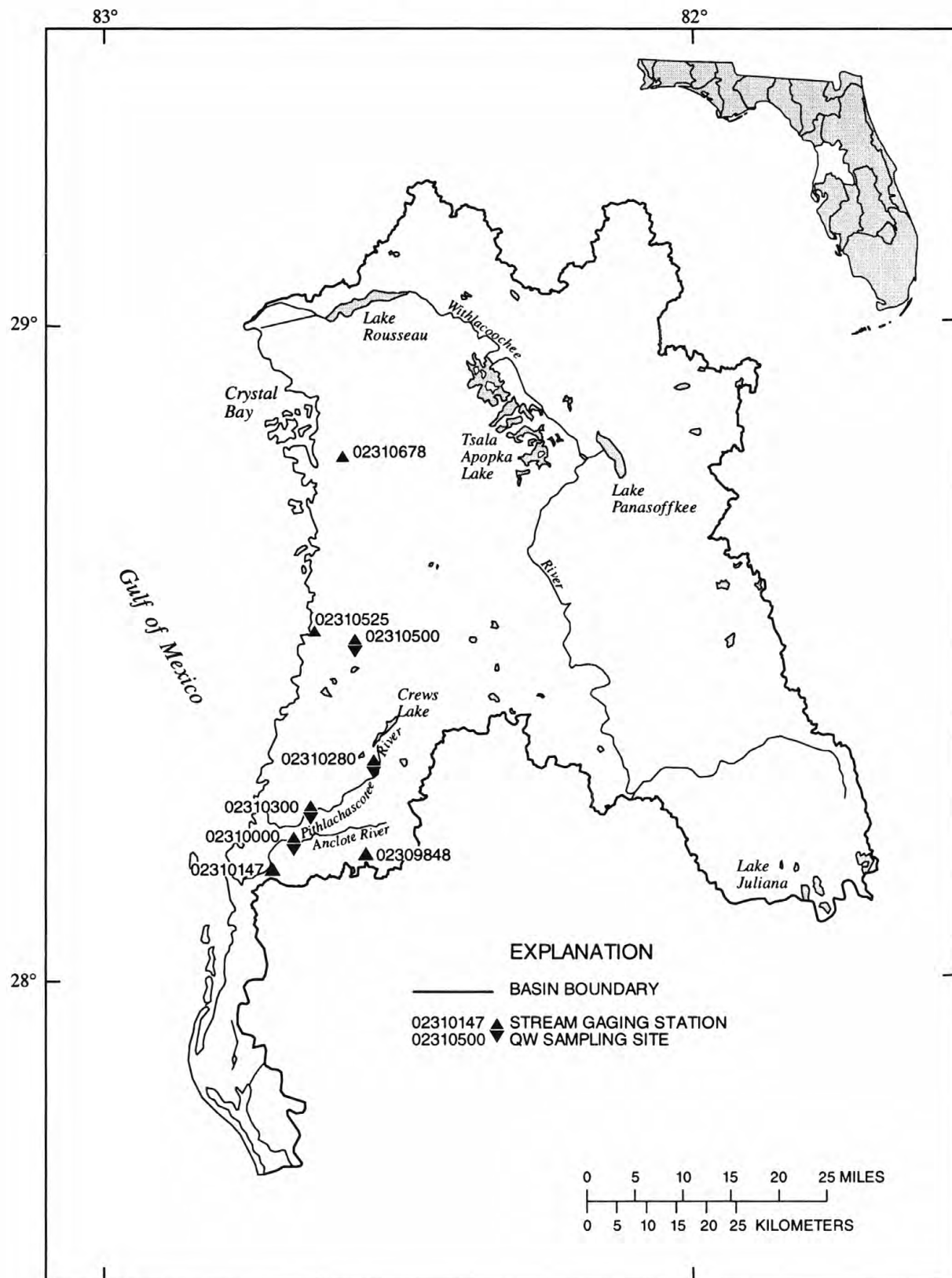


Figure 16.--Location of stream gaging stations in the Coastal area from Tampa Bay to Withlacoochee River.

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

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02309848 SOUTH BRANCH ANCLOTE RIVER NEAR ODESSA, FL

LOCATION.--Lat 28°11'08", long 82°33'13", in SE 1/4 sec.25, T.26 S., R.17 E., Pasco County, Hydrologic Unit 03100207, near left bank, 30 ft 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 mi².

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 fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
2	1.0	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
3	.75	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
4	.59	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
5	.45	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
6	.47	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
7	2.5	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
8	18	.00	.10	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
9	11	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.01	e.00
10	5.3	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.90	e.00
11	3.3	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e8.0	e.00
12	2.2	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e7.5	e.00
13	1.5	.00	.00	.00	.00	.00	.00	.00	.00	e.00	4.1	e.00
14	1.1	.00	.00	.00	.00	.00	.00	.00	.00	e.00	2.2	e.00
15	.75	.00	.00	.00	.00	.00	.00	.00	.00	e.00	1.3	e.00
16	.53	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.85	e.00
17	.41	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.61	e.00
18	.35	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.33	e.00
19	.33	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.04	e.00
20	.21	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	e.00
21	.04	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	e.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.29	e.00
23	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.14	e.00
24	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.01	e.00
25	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00
26	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.01
27	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.25
28	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00	e6.0
29	.00	.00	.00	.00	---	.00	.00	.00	e.00	e.00	e.00	e140
30	.00	.00	.00	.00	---	.00	.00	.00	e.00	e.00	e.00	e96
31	.00	---	.00	.00	---	.00	---	.00	---	e.00	e.00	---
TOTAL	52.08	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.28	242.26
MEAN	1.68	.000	.003	.000	.000	.000	.000	.000	.000	.000	.85	8.08
MAX	18	.00	.10	.00	.00	.00	.00	.00	.00	.00	8.0	140
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1997, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
MEAN	2.07	.33	.59	.94	1.83	2.46	1.64	.95	1.92	2.86	7.09	10.8															
MAX	11.5	3.69	6.63	7.76	17.3	19.7	18.1	16.2	22.9	16.3	34.2	61.8															
(WY)	1980	1989	1984	1986	1983	1987	1987	1979	1974	1987	1979	1979															
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000															
(WY)	1971	1971	1971	1971	1976	1976	1971	1971	1971	1971	1972	1972															

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1971 - 1997
ANNUAL TOTAL	473.33	320.72	
ANNUAL MEAN	1.29	.88	2.79
HIGHEST ANNUAL MEAN			9.66
LOWEST ANNUAL MEAN			.59
HIGHEST DAILY MEAN	20 Feb 3	e140 Sep 29	241 Sep 9 1988
LOWEST DAILY MEAN	.00 Many Days	.00 Many Days	.00 Many Days
ANNUAL SEVEN-DAY MINIMUM	.00 May 11	.00 Oct 22	.00 Oct 1 1970
INSTANTANEOUS PEAK FLOW		e140 Sep 29	305 Sep 9 1988
INSTANTANEOUS PEAK STAGE			5.01 Sep 9 1988
10 PERCENT EXCEEDS	3.7	.06	5.1
50 PERCENT EXCEEDS	.39	.00	.01
90 PERCENT EXCEEDS	.00	.00	.00

DRAINAGE AREA.--72.5 mi².

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 ft³/s, from rating curve extended above 3,700 ft³/s.

e Estimated

MEAN	67.1	21.8	23.6	40.4	45.3	74.7	38.8	16.1	26.4	71.1	159	173
MAX	252	150	245	200	236	612	335	245	245	424	557	634
(WY)	1948	1989	1954	1970	1970	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

	FOR FISCAL YEAR		FOR FISCAL YEAR		FOR FISCAL YEAR	
	1967-1968		1968-1969		1969-1970	
ANNUAL TOTAL	11631.1		4697.5			
ANNUAL MEAN	31.8		12.9		63.2	
HIGHEST ANNUAL MEAN					228	
LOWEST ANNUAL MEAN					8.86	
HIGHEST DAILY MEAN	403	Apr 2	666	Sep 29	3710	Jul 30 1960
LOWEST DAILY MEAN	2.6	Nov 30	1.4	Sep 19	.80	May 26 1962
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 24	1.5	Sep 16	.91	May 19 1981
INSTANTANEOUS PEAK FLOW			687	Sep 29	3890	Jul 30 1960
INSTANTANEOUS PEAK STAGE			17.25	Sep 29	26.09	Jul 30 1960
ANNUAL RUNOFF (CFSM)	.44		.18		.87	
ANNUAL RUNOFF (INCHES)	5.97		2.41		11.84	
10 PERCENT EXCEEDS	81		21		172	
50 PERCENT EXCEEDS	16		3.0		11	
90 PERCENT EXCEEDS	3.2		2.1		2.8	

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

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02310000 ANCLOTE RIVER NEAR ELFERS, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
JAN 29...	0940	6.76	2.6	452	6.7	17.0	--	4.2	--	--	--	--
MAR 07...	0945	6.80	2.8	449	6.5	16.0	80	4.4	71	5.4	9.4	1.4
APR 09...	1020	6.76	2.4	473	7.9	21.0	40	5.0	72	3.7	16	2.7
JUN 19...	1353	6.75	1.9	449	7.6	26.0	<5	3.1	70	5.7	12	1.9
JUL 31...	1025	7.64	11	301	7.4	26.0	--	4.0	--	--	--	--
SEP 16...	1042	6.76	1.6	440	7.7	25.5	70	2.5	62	5.5	17	2.9

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN 29...	--	--	--	--	--	0.020	0.290	0.150	0.42	0.050	0.050	--
MAR 07...	21	17	0.20	11	282	<0.010	0.080	0.030	0.38	0.100	0.060	320
APR 09...	24	28	0.20	9.3	276	0.020	0.320	0.100	0.58	0.090	0.080	280
JUN 19...	22	20	0.20	11	280	0.010	0.170	0.060	0.38	0.090	0.090	300
JUL 31...	--	--	--	--	--	0.015	0.170	0.070	1.4	0.090	0.070	--
SEP 16...	20	27	0.20	10	282	<0.010	0.200	0.080	0.44	0.090	0.060	240

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02310147 HOLLIN CREEK NEAR TARPON SPRINGS, FL

LOCATION.--Lat 28°09'44", long 82°42'38", in SW¹/₄ 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.--4.43 mi² (corrected), approximately, excludes approximately 3.9 mi² which is noncontributing.

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. Stage-discharge relation affected by tide on some days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	.70	.75	.39	.54	.36	.31	.72	.26	.92	.94	.42
2	2.5	.74	1.1	.40	.49	.34	.30	.59	.25	.82	1.3	.44
3	2.3	.79	.84	.40	.47	.34	.28	.51	.22	.77	1.4	.40
4	2.1	.67	.79	.40	.47	.34	.28	.49	.22	.67	1.1	.40
5	1.8	.62	.79	.42	.47	.33	.26	.45	.21	.70	1.1	.40
6	1.8	.59	.76	.42	.47	.33	.26	.44	.22	1.2	.92	.39
7	8.8	.54	6.4	.40	.47	.32	.32	.40	.22	1.1	1.1	.38
8	49	.57	3.5	.36	.47	.31	.32	.40	1.0	.82	1.2	.38
9	26	.62	1.8	.93	.47	.32	.31	.40	1.9	.70	.90	.37
10	17	.62	1.4	1.8	.48	.30	.29	.40	.69	.80	.77	.37
11	9.4	.59	1.2	.85	.47	.28	.28	.39	.48	.67	.68	.36
12	5.6	.54	1.1	.65	.47	.26	.28	.46	.38	.57	.59	.36
13	4.1	.54	.99	.57	.47	.37	.28	.48	.32	.50	.48	.36
14	2.9	.54	.86	.54	.47	1.0	.44	.40	.32	.44	.44	.36
15	2.2	.55	.75	.54	.47	.63	.75	.38	.30	.38	.37	.35
16	1.8	.51	.71	.59	.46	.44	.51	.34	.30	.35	.35	.36
17	1.5	.47	.67	.50	.40	.40	.43	.34	.27	.69	.34	.40
18	1.5	.48	.68	.46	.40	.38	.34	.34	.23	1.2	.34	.36
19	1.3	.47	.64	.45	.56	.36	.34	.33	.22	.86	.33	.35
20	1.2	.46	.62	.47	.86	.37	.34	.32	.21	1.1	.32	.32
21	1.1	.47	.62	.47	.59	.61	.34	.31	.21	1.0	.48	.32
22	.95	.48	.55	.45	.49	.50	.31	.30	.20	.79	.47	.32
23	.85	.47	.47	.44	.47	.43	.69	.30	7.5	.73	.39	.32
24	.79	.47	.47	.46	.48	.37	.57	.37	23	.68	.39	.32
25	.79	.52	.47	.57	.47	.34	.40	.34	24	.75	.38	.33
26	.78	.81	.47	.79	.45	.40	1.4	.33	3.9	.76	.37	4.0
27	.70	.50	.47	.54	.43	.34	1.1	.32	1.8	.67	.39	18
28	.70	.47	.47	.50	.41	.33	1.8	.32	1.3	.60	.40	7.9
29	.70	.47	.47	.47	---	.33	1.4	.32	1.1	.54	.40	3.2
30	.70	.47	.47	.54	---	.31	.90	.32	1.1	.54	.40	2.8
31	.70	---	.39	.54	---	.38	---	.32	---	.51	.40	---
TOTAL	154.46	16.74	31.67	17.31	13.62	12.12	15.83	12.13	72.33	22.83	19.44	45.04
MEAN	4.98	.56	1.02	.56	.49	.39	.53	.39	2.41	.74	.63	1.50
MAX	49	.81	6.4	1.8	.86	1.0	1.8	.72	24	1.2	1.4	18
MIN	.70	.46	.39	.36	.40	.26	.26	.30	.20	.35	.32	.32
CFSM	1.28	.14	.26	.14	.13	.10	.14	.10	.62	.19	.16	.39
IN.	1.48	.16	.30	.17	.13	.12	.15	.12	.69	.22	.19	.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1997, BY WATER YEAR (WY)

	MEAN	5.71	1.99	1.90	3.12	3.43	4.54	3.13	.82	1.37	3.45	6.57	8.22
MAX	40.3	8.33	9.98	13.2	17.4	13.5	10.8	3.00	5.07	13.7	37.0	48.7	
(WY)	1996	1989	1984	1984	1983	1983	1993	1991	1982	1991	1991	1988	
MIN	.14	.17	.29	.14	.36	.39	.24	.079	.20	.24	.63	1.05	
(WY)	1982	1982	1983	1985	1985	1997	1985	1985	1988	1988	1997	1990	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1982 - 1997
ANNUAL TOTAL	1461.60	433.52	
ANNUAL MEAN	3.99	1.19	3.69
HIGHEST ANNUAL MEAN			7.28
LOWEST ANNUAL MEAN			1.04
HIGHEST DAILY MEAN	54	Mar 19	313
LOWEST DAILY MEAN	.26	Jul 30	.00
ANNUAL SEVEN-DAY MINIMUM	.31	Sep 2	.00
INSTANTANEOUS PEAK FLOW		92	370
INSTANTANEOUS PEAK STAGE		11.89	15.90
ANNUAL RUNOFF (CFSM)	1.03	.31	.95
ANNUAL RUNOFF (INCHES)	14.01	4.16	12.91
10 PERCENT EXCEEDS	8.7	1.4	8.6
50 PERCENT EXCEEDS	1.4	.47	1.1
90 PERCENT EXCEEDS	.48	.32	.24

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

279

02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL

LOCATION.--Lat 28°19'44", long 82°32'13", in NE 1/4 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	.25	.33	.21	.30	.15	.03	.50	.03	2.3	2.7	.67
2	1.2	.24	1.2	.23	.26	.13	.00	.27	.02	1.6	3.7	.74
3	1.1	.22	.80	.23	.26	.11	.00	.16	.00	1.1	3.9	.68
4	1.1	.18	.53	.21	.24	.09	.00	.10	.00	.66	3.3	.69
5	1.0	.15	.41	.19	.22	.09	.00	.06	.00	.74	3.1	.88
6	1.1	.13	.40	.20	.21	.08	.00	.02	.00	1.6	2.8	.50
7	3.5	.13	.71	.20	.19	.07	.00	.00	.00	1.5	2.0	.33
8	12	.27	1.2	.19	.21	.06	.00	.00	.00	.89	1.5	.24
9	9.3	.44	.72	.50	.20	.04	.00	.00	.00	.58	1.8	.16
10	7.9	.28	.48	1.1	.20	.03	.00	.00	.00	.44	4.5	.12
11	6.8	.20	.38	.70	.22	.02	.00	.00	.00	.26	16	.10
12	5.8	.15	.35	.48	.21	.01	.00	.00	.00	.20	12	.08
13	4.7	.13	.32	.37	.19	.00	.00	.01	.00	.17	11	.07
14	3.9	.12	.31	.28	.19	.24	.00	.00	.00	.10	9.1	.05
15	3.4	.12	.28	.25	.34	.35	.09	.00	.00	.08	6.6	.02
16	2.9	.11	.24	.25	.39	.19	.10	.00	.00	.62	6.2	.00
17	2.6	.10	.23	.21	.29	.11	.07	.00	.00	1.8	10	.00
18	2.4	.09	.23	.19	.23	.08	.02	.00	.00	.89	7.3	.00
19	2.0	.09	.24	.19	.34	.05	.00	.00	.00	.52	7.1	.00
20	1.6	.10	.23	.21	1.3	.03	.00	.00	.00	.67	5.0	.00
21	1.3	.10	.23	.19	.74	.14	.00	.00	.00	.50	4.3	.00
22	1.1	.11	.24	.19	.50	.17	.00	.00	.00	.27	9.4	.00
23	.82	.10	.24	.19	.48	.10	.57	.03	.00	.20	7.7	.01
24	.68	.10	.23	.19	.37	.07	1.0	.13	.80	.12	5.6	.12
25	.59	.09	.21	.30	.30	.15	.40	.09	8.8	.08	4.5	.08
26	.49	.24	.21	.48	.27	.80	1.2	.04	3.8	.07	4.0	3.5
27	.41	.26	.19	.37	.25	.44	1.5	.01	1.1	.25	3.0	21
28	.34	.21	.22	.31	.20	.26	1.8	.03	2.0	.89	2.1	21
29	.31	.18	.22	.29	---	.16	2.3	.12	5.4	3.0	1.6	19
30	.29	.16	.21	.48	---	.11	1.0	.06	3.4	2.5	1.1	17
31	.26	---	.21	.36	---	.07	---	.03	---	3.4	.80	---
TOTAL	82.19	5.05	12.00	9.74	9.10	4.40	10.08	1.66	25.35	28.00	163.70	87.04
MEAN	2.65	.17	.39	.31	.33	.14	.34	.054	.85	.90	5.28	2.90
MAX	12	.44	1.2	1.1	1.3	.80	2.3	.50	8.8	3.4	16	21
MIN	.26	.09	.19	.19	.19	.00	.00	.00	.00	.07	.80	.00
IN.	.02	.00	.00	.00	.00	.00	.00	.00	.01	.01	.04	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1984	5.78	22.5	1996	.96	1994
1985	3.47	16.5	1989	.17	1997
1986	3.92	18.8	1984	.39	1997
1987	5.74	21.6	1984	.31	1997
1988	4.38	14.8	1984	.32	1997
1989	6.95	25.3	1987	.14	1997
1990	4.95	35.4	1987	.008	1994
1991	1.87	18.6	1984	.000	1985
1992	2.04	10.2	1984	.11	1994
1993	7.65	27.5	1987	.41	1992
1994	10.4	27.2	1984	1.49	1993
1995	14.7	77.2	1988	1.52	1989

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1984 - 1997
ANNUAL TOTAL	1283.51	438.31	
ANNUAL MEAN	3.51	1.20	5.99
HIGHEST ANNUAL MEAN			14.1
LOWEST ANNUAL MEAN			1.20
HIGHEST DAILY MEAN	22	21	242
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.01	.00	.00
INSTANTANEOUS PEAK FLOW		25	294
INSTANTANEOUS PEAK STAGE		52.19	54.37
ANNUAL RUNOFF (INCHES)	.32	.11	.54
10 PERCENT EXCEEDS	9.3	3.4	16
50 PERCENT EXCEEDS	2.3	.23	2.0
90 PERCENT EXCEEDS	.13	.00	.04

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER
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 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)
JAN 29...	1430	50.97	0.28	161	6.4	16.0	--	5.6	--	--	--	--
MAR 07...	1300	50.79	0.08	190	6.0	16.0	--	2.4	--	--	--	--
JUL 31...	1345	51.46	3.5	184	6.4	25.5	--	4.2	--	--	--	--
SEP 08...	1320	50.99	0.25	139	6.7	23.0	320	3.8	20	1.9	6.8	1.0

DATE	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)
JAN 29...	--	--	--	--	--	<0.010	<0.020	0.030	0.57	<0.020	<0.010	--
MAR 07...	--	--	--	--	--	<0.010	0.030	0.410	1.9	0.120	0.030	--
JUL 31...	--	--	--	--	--	0.010	0.040	0.040	1.2	0.030	0.030	--
SEP 08...	1.9	13	<0.10	6.6	168	<0.010	0.070	0.050	1.6	0.020	0.040	33

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIE RIVER

281

02310300 PITHLACHASCOTEE RIVER NEAR NEW PORT RICHEY, FL

LOCATION.--Lat 28°15'23", long 82°38'33", in NW¹/₄ 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 mi².

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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	1.2	.50	.69	1.2	.47	.36	.78	.32	.04	2.8	.94
2	4.4	1.1	.87	.69	1.1	.26	.22	.58	.27	.29	4.7	.91
3	4.1	1.1	1.1	.68	.97	.15	.17	.44	.13	2.0	4.6	.50
4	3.9	.86	1.2	.60	.90	.09	.06	.31	.06	1.6	3.9	1.1
5	3.6	.70	1.3	.60	.82	.08	.04	.22	.03	.94	4.0	.61
6	3.6	.64	1.5	.65	.71	.12	.03	.11	.02	.77	4.3	.27
7	8.2	.60	1.8	.69	.62	.14	.09	.07	.02	.71	3.7	.23
8	53	.83	2.4	.66	.61	.14	.17	.05	.07	.53	3.2	.13
9	57	1.4	2.2	.87	.54	.11	.15	.05	.52	.34	3.9	.05
10	48	1.3	2.0	2.8	.54	.08	.12	.05	.45	.34	10	.01
11	36	1.2	1.8	3.0	.57	.10	.12	.04	.40	.20	7.2	.00
12	28	.97	1.7	2.9	.53	.09	.16	.08	.32	.08	5.5	.00
13	22	.82	1.6	2.7	.47	.08	.13	.10	.19	.02	4.9	.00
14	17	.73	1.4	2.6	.43	.28	.27	.06	.11	.00	8.5	.01
15	14	.62	1.2	2.3	.57	.28	.71	.03	.07	.00	9.0	.00
16	12	.56	1.1	2.0	.46	.19	.66	.04	.03	.00	7.4	.00
17	10	.44	.97	1.8	.32	.18	.58	.04	.01	.07	6.0	.00
18	8.8	.38	1.0	1.5	.30	.17	.45	.04	.00	.22	4.6	.00
19	7.8	.30	.99	1.3	.27	.18	.39	.04	.00	1.2	4.8	.00
20	6.5	.27	.87	1.1	.33	.25	.34	.03	.00	e1.4	7.3	.00
21	5.6	.25	.73	.93	.82	.54	.29	.02	.00	e2.2	8.3	.00
22	4.8	.23	.69	.85	1.3	.51	.30	.02	.00	e2.9	10	.00
23	4.1	.25	.65	.70	1.7	.43	.67	.03	.02	3.7	9.2	.00
24	3.6	.25	.65	.63	1.6	.28	.86	.06	.17	2.2	7.8	.00
25	3.2	.23	.71	.74	1.2	.37	.66	.38	.33	3.0	6.7	.00
26	2.7	.46	.73	1.1	1.3	.75	1.0	.24	.26	4.5	6.2	.39
27	2.3	.46	.72	1.2	1.3	.54	1.0	.13	.25	2.4	6.1	16
28	1.9	.35	.76	1.3	.76	.43	1.3	.21	.13	1.9	4.9	92
29	1.6	.30	.70	1.3	---	.38	1.6	.48	.13	2.5	3.4	132
30	1.5	.33	.63	1.5	---	.40	1.1	.29	.08	2.3	2.2	100
31	1.3	---	.69	1.3	---	.42	---	.25	---	2.0	1.4	---
TOTAL	385.4	19.13	35.16	41.68	22.24	8.49	14.00	5.27	4.39	40.35	176.5	345.15
MEAN	12.4	.64	1.13	1.34	.79	.27	.47	.17	.15	1.30	5.69	11.5
MAX	57	1.4	2.4	3.0	1.7	.75	1.6	.78	.52	4.5	10	132
MIN	1.3	.23	.50	.60	.27	.08	.03	.02	.00	.00	1.4	.00
CFSM	.07	.00	.01	.01	.00	.00	.00	.00	.00	.01	.03	.06
IN.	.08	.00	.01	.01	.00	.00	.00	.00	.00	.01	.04	.07

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	MEAN	27.2	9.50	12.6	22.1	27.4	28.6	14.3	7.46	13.5	29.8	57.2	71.5
MAX	120	49.4	121	106	155	120	102	98.7	126	151	266	329	
(WY)	1996	1989	1970	1970	1970	1970	1987	1979	1974	1974	1965	1988	
MIN	1.65	.64	.86	1.34	.79	.27	.13	.000	.011	.000	3.06	4.81	
(WY)	1981	1997	1991	1997	1997	1997	1994	1985	1981	1981	1989	1980	

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1964 - 1997
ANNUAL TOTAL	4747.99	1097.76	
ANNUAL MEAN	13.0	3.01	26.8
HIGHEST ANNUAL MEAN			66.1
LOWEST ANNUAL MEAN			3.01
HIGHEST DAILY MEAN	107	132	1420
LOWEST DAILY MEAN	.03	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.08	.00	.00
INSTANTANEOUS PEAK FLOW		138	1480
INSTANTANEOUS PEAK STAGE		20.80	24.67
ANNUAL RUNOFF (CFSM)	.072	.017	.15
ANNUAL RUNOFF (INCHES)	.98	.23	2.02
10 PERCENT EXCEEDS	36	4.9	70
50 PERCENT EXCEEDS	6.8	.64	7.6
90 PERCENT EXCEEDS	.48	.03	.61

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIEE RIVER
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 1996 TO SEPTEMBER 1997

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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
JAN 29...	1010	18.01	1.3	227	6.8	14.0	--	5.4	--	--	--	--
MAR 07...	1000	17.70	0.16	323	7.6	17.0	100	2.0	52	4.0	6.5	1.6
APR 09...	1050	17.63	0.18	410	9.0	19.0	40	3.5	73	4.9	5.2	0.90
JUL 31...	1100	17.97	2.0	231	7.3	25.0	--	5.2	--	--	--	--
SEP 08...	1100	17.54	0.16	210	7.9	22.5	240	5.5	32	2.8	7.3	1.4

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
JAN 29...	--	--	--	--	--	<0.010	<0.020	0.020	0.52	<0.020	0.010	--
MAR 07...	6.7	12	0.20	7.6	220	<0.010	<0.020	0.250	0.85	0.120	0.070	260
APR 09...	13	9.7	0.20	9.1	240	<0.010	0.030	0.180	0.47	0.130	0.090	380
JUL 31...	--	--	--	--	--	<0.010	0.100	0.040	1.0	0.030	0.030	--
SEP 08...	4.2	14	<0.10	7.3	186	<0.010	0.110	0.030	1.3	<0.020	0.040	93

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIE RIVER

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02310500 WEEKI WACHEE SPRINGS NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°31'00", long 82°34'25", in NE 1/4 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.

GAGE HEIGHT RECORDS

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.--Discharge measurements made about 1.0 mi downstream from head of springs.

AVERAGE DISCHARGE.--501 measurements, 172 ft³/s, 111 mg/d.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 275 ft³/s, Oct. 19, 1964; maximum gage height observed, 3.86 ft, Sept. 9, 1960; minimum discharge measured, 101 ft³/s, July 24, 1956; minimum gage height observed, 0.58 ft, Aug. 5, 1932.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 2.38 ft, Oct. 8, 9; minimum observed, 1.12 ft, Apr. 2.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.35	2.00	1.70	1.46	1.34	1.24	1.16	1.25	1.26	1.26	1.30	1.48
2	2.34	1.96	1.70	1.46	1.32	1.21	1.16	1.24	1.26	1.25	1.32	1.48
3	2.33	1.90	1.68	1.45	1.32	1.25	1.17	1.25	1.24	1.24	1.24	1.50
4	2.33	1.90	1.70	1.45	1.32	1.21	1.17	1.22	1.24	1.25	1.24	1.50
5	2.30	1.90	1.66	1.43	1.32	1.20	1.16	1.19	1.22	1.26	1.26	1.52
6	2.30	1.90	1.68	1.43	1.30	1.20	1.16	1.19	1.22	1.22	1.28	1.54
7	2.31	1.90	1.66	1.44	1.30	1.20	1.16	1.18	1.22	1.23	1.31	1.50
8	2.38	1.90	1.67	1.45	1.32	1.21	1.15	1.20	1.22	1.24	1.32	1.50
9	2.38	1.90	1.67	1.45	---	1.20	1.15	1.20	1.23	1.28	1.32	1.48
10	2.30	1.90	1.68	1.46	---	1.21	1.16	1.20	1.22	1.24	1.32	1.48
11	2.28	1.90	1.68	1.44	---	1.21	1.16	1.20	1.22	1.26	1.36	1.48
12	2.26	1.94	1.68	1.42	---	1.23	1.16	1.18	1.22	1.24	1.40	1.49
13	2.20	1.94	1.65	1.40	---	1.25	1.16	1.20	1.23	1.26	1.40	1.49
14	2.20	1.96	1.65	1.40	---	1.26	1.15	1.18	1.22	1.26	1.38	1.47
15	2.19	1.95	1.65	1.40	---	1.22	1.15	1.18	1.18	1.24	1.38	1.47
16	2.18	1.90	1.65	1.40	1.29	1.21	1.16	1.18	1.19	1.24	1.40	1.48
17	2.16	1.85	1.60	1.40	1.25	1.22	1.15	1.16	1.19	1.26	1.40	1.48
18	2.16	1.80	1.60	1.38	1.25	1.23	1.17	1.15	1.19	1.26	1.40	1.47
19	2.16	1.80	1.59	1.36	1.24	1.22	1.14	1.18	1.18	1.26	1.40	1.46
20	2.10	1.80	1.58	1.36	1.25	1.20	1.12	1.18	1.18	1.26	1.40	1.46
21	2.10	1.80	1.58	1.36	1.29	1.20	1.14	1.15	1.18	1.26	1.40	1.46
22	2.10	1.78	---	1.36	1.27	1.19	1.15	1.18	1.17	1.24	1.45	1.45
23	2.10	1.78	---	1.34	1.25	1.19	1.16	1.20	1.18	1.24	1.45	1.42
24	2.00	1.74	---	1.35	1.23	1.18	1.16	1.20	1.18	1.24	1.45	1.42
25	2.00	1.75	---	1.34	1.22	1.18	1.18	1.20	1.19	1.26	1.48	1.43
26	2.00	1.76	---	1.36	1.22	1.18	1.19	1.20	1.26	1.32	1.50	1.44
27	2.00	1.74	---	1.35	1.22	1.18	1.27	1.22	1.28	1.32	1.46	1.46
28	2.00	1.70	---	1.34	1.26	1.18	1.27	1.25	1.29	1.28	1.48	1.56
29	1.98	1.70	1.49	1.34	---	1.18	1.27	1.25	1.28	1.26	1.48	1.56
30	2.00	1.69	1.49	1.34	---	1.19	1.27	1.24	1.26	1.26	1.48	1.54
31	2.00	---	1.46	1.35	---	1.20	---	1.24	---	1.28	1.48	---
MEAN	2.18	1.85	---	1.40	---	1.21	1.17	1.20	1.22	1.26	1.39	1.48
MAX	2.38	2.00	---	1.46	---	1.26	1.27	1.25	1.29	1.32	1.50	1.56
MIN	1.98	1.69	---	1.34	---	1.18	1.12	1.15	1.17	1.22	1.24	1.42

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER
02310500 WEEKI WACHEE SPRINGS NEAR BROOKSVILLE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961-65, 1968 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	GAGE HEIGHT (FEET) (00065)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER 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)
JAN 29...	1240	1.34	299	8.3	20.0	3.3	<0.010	0.560	0.020	<0.20	<0.020	<0.010
MAR 07...	1120	1.18	303	8.2	21.0	3.2	<0.010	0.540	0.010	<0.20	0.050	<0.010
APR 09...	1310	1.14	303	7.6	23.0	4.0	<0.010	0.530	<0.010	<0.20	0.050	0.010
JUL 31...	1215	1.29	301	8.0	24.0	3.2	<0.010	0.560	0.020	<0.20	<0.020	0.020
SEP 08...	1220	1.50	306	8.1	22.0	3.1	<0.010	0.550	0.010	0.55	<0.020	0.020
16...	1315	1.50	309	8.2	24.0	2.5	<0.010	0.540	<0.010	<0.20	0.030	<0.010

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

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02310525 WEEKI WACHEE RIVER NEAR BROOKSVILLE, FL

LOCATION.--Lat 28°31'07", long 82°34'57", in NE 1/4 sec.2, T.23 S., R.17 E., Hernando County, Hydrologic Unit 03100207, on right bank of Weeki Wachee River, 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 0.75 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. 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 WRI 88-4116 for computation equation and relationships.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	167	156	148	140	132	125	124	121	119	117	123
2	174	166	155	147	139	131	125	124	121	119	118	123
3	173	165	155	147	139	131	125	124	121	119	118	123
4	173	165	155	147	139	131	125	124	120	119	118	123
5	173	164	155	146	138	131	124	124	120	119	118	123
6	173	164	155	146	138	130	124	123	121	119	118	123
7	173	164	154	146	138	130	124	123	121	119	118	123
8	174	164	154	146	137	130	124	123	121	118	118	123
9	174	163	154	146	137	130	124	123	121	118	118	123
10	174	163	154	146	137	129	123	123	121	118	119	123
11	174	163	154	145	136	129	123	122	121	118	119	123
12	173	162	154	145	136	129	123	122	121	118	120	123
13	173	162	154	145	136	128	123	122	121	118	120	123
14	173	162	153	144	136	129	123	122	120	118	120	123
15	173	161	153	144	135	129	123	122	120	118	121	123
16	172	161	153	144	135	128	123	122	119	117	121	123
17	172	160	152	143	135	128	123	121	119	117	121	123
18	172	160	152	143	134	128	123	121	118	117	121	123
19	171	160	152	143	134	128	122	121	118	117	121	123
20	171	159	151	143	134	128	122	120	118	117	121	123
21	170	159	151	142	134	128	122	120	118	117	121	122
22	170	159	151	142	134	128	122	120	117	117	122	122
23	170	158	150	141	133	127	122	120	117	117	122	122
24	169	158	150	141	133	127	122	119	118	117	122	122
25	169	158	150	141	133	127	122	120	118	117	122	122
26	169	157	149	141	132	127	122	121	119	117	123	122
27	168	157	149	141	132	127	122	121	119	116	123	123
28	168	156	149	140	132	127	122	121	119	116	123	124
29	168	156	149	140	---	126	123	121	119	116	123	125
30	167	156	148	140	---	126	123	121	119	116	123	126
31	167	---	148	140	---	126	---	121	---	117	123	---
TOTAL	5314	4829	4719	4453	3796	3985	3693	3775	3586	3645	3732	3690
MEAN	171	161	152	144	136	129	123	122	120	118	120	123
MAX	174	167	156	148	140	132	125	124	121	119	123	126
MIN	167	156	148	140	132	126	122	119	117	116	117	122

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1997, BY WATER YEAR (WY)

	1994	1995	1996	1997
MEAN	157	158	150	146
MAX	171	179	171	168
(WY)	1997	1996	1996	1996
MIN	139	137	127	122
(WY)	1994	1994	1994	1994

SUMMARY STATISTICS

	FOR 1996 CALENDAR YEAR	FOR 1997 WATER YEAR	WATER YEARS 1994 - 1997
ANNUAL TOTAL	60331	49217	
ANNUAL MEAN	165	135	142
HIGHEST ANNUAL MEAN			168
LOWEST ANNUAL MEAN			124
HIGHEST DAILY MEAN	182	174	182
LOWEST DAILY MEAN	148	116	101
ANNUAL SEVEN-DAY MINIMUM	149	116	102
10 PERCENT EXCEEDS	176	164	170
50 PERCENT EXCEEDS	165	126	140
90 PERCENT EXCEEDS	156	118	118

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
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 NE 1/4 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 (discharge measurements only); October 1995 to current year.

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

REMARKS.--Records fair. Discharge computed from relation between artesian pressure at Weeki Wachee Well near Weeki Wachee and discharge at measuring site. See WRI 88-4116 for computation equation and relationships.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	96	---	---	95	112	88	---	---	98	86	97
2	---	96	---	---	88	100	104	108	---	93	87	97
3	---	95	---	---	85	105	110	102	---	87	86	98
4	---	103	---	---	105	113	101	98	---	81	90	99
5	---	116	---	---	---	105	95	95	---	81	94	98
6	---	108	---	---	---	91	93	95	---	79	96	94
7	---	99	---	---	---	86	92	95	---	91	95	97
8	---	---	---	---	104	99	97	96	---	95	94	97
9	---	---	---	122	99	124	95	97	---	86	93	95
10	---	---	---	117	98	129	105	98	---	91	91	94
11	---	---	---	109	96	131	111	100	---	96	86	94
12	---	---	---	93	100	125	106	95	---	98	75	92
13	---	---	---	110	110	109	96	99	---	95	79	92
14	---	---	---	112	100	103	92	---	---	94	86	92
15	---	---	---	106	92	99	91	---	---	93	90	94
16	---	---	---	105	86	91	93	---	---	96	93	89
17	---	---	---	101	108	89	108	---	---	98	95	83
18	109	---	---	93	103	83	103	---	---	100	96	84
19	100	---	---	84	98	67	98	---	---	98	101	94
20	92	---	---	106	92	79	97	---	---	97	104	101
21	92	---	---	105	100	90	99	---	95	95	107	97
22	105	---	---	113	103	103	101	---	97	94	103	85
23	100	---	---	112	102	106	97	---	99	92	99	95
24	94	---	---	96	101	105	99	---	103	87	96	95
25	92	---	---	111	105	97	103	---	102	88	95	93
26	88	---	---	108	105	95	98	---	99	94	97	90
27	84	---	---	97	103	99	98	---	102	94	97	91
28	79	---	---	---	100	89	104	---	104	93	95	89
29	103	---	---	108	104	99	100	---	107	92	97	86
30	115	---	---	99	---	100	83	---	106	89	99	89
31	104	---	---	96	---	96	---	---	---	85	99	---
TOTAL	---	---	---	---	---	3119	2957	---	---	2850	2901	2791
MEAN	---	---	---	---	---	101	98.6	---	---	91.9	93.6	93.0
MAX	---	---	---	---	---	131	111	---	---	100	107	101
MIN	---	---	---	---	---	67	83	---	---	79	75	83

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA
COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER
02310678 HOMOSASSA SPRINGS AT HOMOSASSA SPRINGS, FL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	89	76	97	99	90	---	80	69	79	78	80
2	95	84	86	96	95	90	99	77	69	73	79	79
3	96	106	101	95	95	84	91	73	75	75	74	75
4	102	117	108	93	93	85	81	76	78	76	70	75
5	115	100	102	85	88	88	76	95	83	73	67	88
6	109	94	93	84	90	83	71	86	83	75	72	89
7	88	90	85	84	89	103	71	79	85	79	77	85
8	41	79	86	86	81	96	82	78	93	83	84	79
9	74	92	96	75	93	87	90	77	92	83	86	76
10	86	99	100	73	---	85	90	79	91	78	85	75
11	97	100	93	88	---	83	87	89	89	80	87	70
12	106	105	87	98	95	86	73	83	84	81	84	72
13	111	111	86	109	92	87	75	76	72	84	82	72
14	105	111	94	111	83	74	93	81	69	83	77	73
15	97	114	100	103	89	81	109	85	66	80	73	72
16	92	116	98	84	112	97	103	87	75	79	74	70
17	90	92	84	99	117	102	88	88	77	80	75	70
18	89	86	81	110	116	91	84	86	73	77	74	72
19	103	82	85	110	101	83	85	84	73	73	73	76
20	97	81	112	96	93	80	77	80	80	70	71	75
21	89	79	116	96	87	77	76	79	81	72	70	75
22	89	86	111	94	80	76	70	83	81	75	73	80
23	83	101	99	90	95	78	60	86	80	75	78	80
24	85	86	89	89	109	89	69	82	79	74	81	78
25	87	78	92	85	107	89	80	75	82	77	87	71
26	84	74	98	99	95	81	80	73	83	78	91	64
27	87	98	92	102	85	82	74	77	84	74	87	69
28	90	113	94	96	86	83	57	---	84	76	80	65
29	90	106	93	98	---	80	62	---	79	76	76	73
30	88	90	97	101	---	82	79	93	79	76	78	80
31	88	---	97	103	---	99	---	87	---	76	78	---
TOTAL	2848	2859	2931	2929	---	2671	---	---	2388	2390	2421	2258
MEAN	91.9	95.3	94.5	94.5	---	86.2	---	---	79.6	77.1	78.1	75.3
MAX	115	117	116	111	---	103	---	---	93	84	91	89
MIN	41	74	76	73	---	74	---	---	66	70	67	64

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 1997

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.	5.22	1983-97	9-28-97	8.63	255
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	1981-97	9-28-97	17.65	550
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.	39	1983-97	10-09-96	12.34	732
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	1981-97	9-28-97	†	†

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1997

Station Number	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual Gage height (feet)	Maximum Dis-charge (ft ³ /s)
Peace River Basin--Continued							
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	1981-97	9-28-97	†	†
Manatee River Basin							
02300024	Braden River near Verna, FL	Lat 27°25'41", long 82°21'58", in NW ¹ / ₄ sec.24, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on right bank, 0.5 mi upstream from bridge on State Highway 70, 6.6 mi northwest of Verna, and 18.4 mi upstream from mouth (discontinued).	6.8	1993-97	9-29-97	49.07	173
02300025	Tributary No. 1 to Braden River near Lorraine, FL	Lat 27°25'16", long 82°22'19", in SE ¹ / ₄ sec.23, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on left bank, at railroad grade, 0.3 mi upstream from mouth, and 1.7 mi southeast of Lorraine (discontinued).	5.2	1993-97	9-29-97	45.61	79
02300027	Tributary No. 2 to Braden River near Lorraine, FL	Lat 27°25'43", long 82°22'46", in NW ¹ / ₄ sec.23, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on right wingwall on upstream side of culvert on State Highway 70, 0.5 mi upstream from mouth, and 1.1 mi east of Lorraine (discontinued).	3.8	1993-97	9-29-97	48.62	69
02300031	Wolf Slough at Lorraine, FL	Lat 27°25'41", long 82°24'42", in NW ¹ / ₄ sec.21, T.35 S., R.19 E., Manatee County, Hydrologic Unit 03100202, on right bank, 0.3 mi downstream from bridge on State Highway 70, 0.5 mi upstream from mouth, and 0.9 mi southeast of Lorraine (discontinued).	4.0	1993-97	9-29-97	21.11	24

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Annual maximum discharge at crest-stage partial-record stations during water year 1997

Station Number	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual Gage height (feet)	Maximum Dis-charge (ft ³ /s)
Little Manatee River Basin--continued							
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	1960-97	9-26-97	3.69	293
Hillsborough River Basin							
02302260	Itchepackesassa Creek near Knights, FL	Lat 28°04'49", long 82°04'24", in NE ¹ / ₄ sec.2, T.28 S., R.22 E., Hillsborough County, Hydrologic Unit 03100205, at left bank on State Highway 582, 3.9 mi east of Knights, and 6.0 mi upstream from mouth.	a34	1982-97	9-28-97	13.93	510

† Not determined

a Approximately

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 1997

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	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 down- stream from Crystal Springs, 2.0 mi west of Village of Crystal Springs, and 4.0 mi south of Zephyrhills.	†	1935-96	10-08-96	92
					11-21-96	58
					01-09-97	56
					03-12-97	50
					05-01-97	54
					05-29-97	52
	06-26-97	46				
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	1956-96	10-10-96	30
					11-20-96	7.4
					01-09-97	5.8
					01-29-97	8.1
					02-28-97	8.1
					03-13-97	1.7
					04-01-97	6.0
					06-27-97	2.3
	08-01-97	16				
	09-27-97	324				
Trout Creek	Hillsborough River	Lat 28°05'52", long 82°21'30", in NE ¹ / ₄ sec.36, T.27 S., R.19 E., Hillsborough County, Hydrologic Unit 03100205, near left bank, 80 ft upstream from wooden bridge, 1.1 mi upstream from mouth, 2.6 mi downstream from State Highway 581, and 4.9 mi northeast of Temple Terrace.	a31	1977-78	01-14-97	.35
					03-17-97	.09
				1980-96	05-06-97	11
					06-30-97	1.3
					08-20-97	17
Peace River Basin						
Saddle Creek Park Overflow	Saddle Creek	Lat 28°02'38", long 81°53'14", in SW ¹ / ₄ sec.14, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, near center span on upstream side of bridge on State Highway 542, 100 ft upstream from mouth, and 4.5 mi west of Lakeland.	†	1974, 1996	10-09-96	6.4
					11-22-96	0.42
					01-08-97	0.64
					02-18-97	0.22
					04-09-97	0.00
					06-25-97	1.8
	07-29-97	12				
Lake Parker Outlet	Saddle Creek	Lat 28°03'34", long 81°54'52", in SE ¹ / ₄ 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.	†	1955-59 1967, 1969	07-28-97	88
					08-11-97	46
					09-29-97	93
Tenoroc Ditch	Saddle Creek	Lat 28°05'44", long 81°50'17", in NW ¹ / ₄ sec.31, T.27 S., R.25 E., Polk County, Hydrologic Unit 03100101, on ditch near left bank of dike, 2.4 mi southeast of Tenoroc Fish Management office, and 6.2 mi northeast of Lakeland.	†		02-20-97	0.42
					06-26-97	0.73
					08-11-97	13

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at miscellaneous sites during water year 1997

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Date	Measurements Discharge (ft ³ /s)
Peace River Basin--Continued						
Peace River	Charlotte Harbor	Lat 27°49'15", long 81°47'59", in	437	1974, 1979 1980-96	10-09-96	372
		SE 1/4 sec.34, T.30 S., R.25 E.,			11-19-96	15
		Polk County, Hydrologic Unit			01-09-97	24
		03100101, near center of span on			04-30-97	83
		downstream side of bridge on State			07-03-97	15
		Highway 640, 1.6 mi east of U.S.			08-26-97	448
		Highway 17 in Homeland, and 97 mi upstream from mouth.				

a Approximately

† Undetermined

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	ELEV- ATION ABOVE NGVD (FEET) (72020)	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)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN, DIS- SOLVED (MG/L) (00300)
02300200 SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FLA. (LAT 27 35 25N LONG 082 10 57W)										
JAN 1997										
23...	0955	--	--	-1.21	1.2	303	6.6	11.0	--	7.0
MAR										
05...	1040	--	--	-0.69	5.9	352	6.3	20.0	--	6.1
APR										
07...	1320	--	--	-0.87	3.0	357	7.2	22.0	--	6.1
AUG										
01...	1755	--	--	1.66	62	106	7.3	26.0	--	6.1
02301750 DELANEY CREEK NEAR TAMPA, FL (LAT 27 55 32N LONG 082 21 52W)										
SEP 1997										
28...	1210	--	--	--	--	--	--	--	--	--
29...	1140	--	--	5.37	--	--	--	--	--	--
02303200 PEMBERTON CREEK NR DOVER, FLA. (LAT 28 01 34N LONG 082 14 12W)										
JAN 1997										
29...	0900	--	--	52.42	8.1	807	8.0	16.5	--	8.4
FEB										
28...	1005	--	--	52.59	8.1	1020	8.0	20.0	--	7.8
AUG										
01...	1240	--	--	52.33	16	250	7.4	26.0	--	6.3
02306647 SWEETWATER CREEK NR TAMPA, FLA. (LAT 28 00 49N LONG 082 32 43W)										
SEP 1997										
28...	1115	--	--	12.84	--	150	6.9	27.0	--	4.9
28...	1116	1.00	--	--	--	148	7.1	27.0	--	4.3
28...	1117	5.00	--	--	--	147	7.0	27.0	--	4.3
28...	1118	1.00	--	--	--	150	6.9	27.0	--	4.6
28...	1119	4.60	--	--	--	150	6.9	27.0	--	4.6
28...	1120	1.00	--	--	--	153	6.8	26.5	--	5.7
28...	1121	6.00	--	--	--	153	6.8	26.5	--	5.8
02306654 HENRY STREET CANAL NR TAMPA, FL. (LAT 27 59 59N LONG 082 33 05W)										
SEP 1997										
28...	1020	--	--	5.40	--	243	6.8	26.0	--	4.6
28...	1021	0.50	--	--	--	243	6.8	26.0	--	4.7
28...	1022	1.50	--	--	--	243	6.9	26.0	--	4.6
29...	1120	--	--	4.36	--	--	--	--	--	--
02306774 ROCKY CREEK AT ST HWY 587 AT CITRUS PARK, FLA. (LAT 28 03 55N LONG 082 33 57W)										
SEP 1997										
29...	1610	--	--	21.16	--	--	--	26.0	--	--
02306950 BRUSHY CREEK NR CITRUS PARK, FLA. (LAT 28 03 53N LONG 082 33 20W)										
SEP 1997										
28...	1530	--	--	7.44	--	170	6.8	26.5	--	4.4
28...	1531	1.00	--	--	--	169	6.9	26.5	--	4.4
28...	1532	2.00	--	--	--	172	6.8	26.5	--	4.3
30...	1500	--	--	4.56	--	--	--	--	--	--
02307479 LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 07 34N LONG 082 44 08W)										
JAN 1997										
29...	0755	--	--	2.84	--	869	8.1	14.5	--	9.6
MAR										
07...	0800	--	2.65	--	--	906	8.5	19.0	--	8.1
APR										
09...	0950	--	--	2.50	--	932	8.5	22.0	--	8.3
JUL										
31...	0845	--	3.10	--	--	948	7.8	29.0	--	6.1
SEP										
08...	0920	--	2.60	--	--	979	8.7	27.0	--	4.1
16...	0910	--	2.50	2.50	--	983	8.7	28.5	60	4.0

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
02307479 LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 07 34N LONG 082 44 08W)									
JAN 1997									
29...	--	--	--	--	--	200	--	--	--
MAR									
07...	--	--	--	--	--	210	--	--	--
APR									
09...	--	--	--	--	--	220	--	--	--
JUL									
31...	--	--	--	--	--	230	--	--	--
SEP									
08...	--	--	--	--	--	230	--	--	--
16...	47	13	110	5.6	31	230	0.20	1.7	600

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	NITRO- GEN, NITRITE (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)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
02300200 SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FLA. (LAT 27 35 25N LONG 082 10 57W)									
JAN 1997									
23...	--	<0.010	0.810	0.030	0.54	0.480	0.470	--	--
MAR									
05...	--	<0.010	0.310	0.020	0.82	0.540	0.530	--	--
APR									
07...	--	<0.010	0.180	0.030	0.61	0.380	0.330	--	--
AUG									
01...	--	0.015	0.230	0.060	1.4	0.660	0.690	--	--
02301750 DELANEY CREEK NEAR TAMPA, FL (LAT 27 55 32N LONG 082 21 52W)									
SEP 1997									
28...	16	<0.010	0.060	0.060	1.0	0.410	0.280	--	--
29...	24	<0.010	0.040	0.070	0.94	0.490	0.290	--	--
02303200 PEMBERTON CREEK NR DOVER, FLA. (LAT 28 01 34N LONG 082 14 12W)									
JAN 1997									
29...	--	<0.010	0.170	0.020	0.36	0.240	0.220	--	--
FEB									
28...	--	<0.010	0.110	0.010	0.48	0.150	0.150	--	--
AUG									
01...	--	--	--	--	--	--	--	--	--
02306647 SWEETWATER CREEK NR TAMPA, FLA. (LAT 28 00 49N LONG 082 32 43W)									
SEP 1997									
28...	14	<0.010	0.090	0.080	0.90	0.100	0.060	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
02306654 HENRY STREET CANAL NR TAMPA, FL. (LAT 27 59 59N LONG 082 33 05W)									
SEP 1997									
28...	22	0.011	0.260	0.220	1.2	0.180	0.090	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
29...	19	0.019	0.250	0.320	1.1	0.100	0.070	--	--
02306774 ROCKY CREEK AT ST HWY 587 AT CITRUS PARK, FLA. (LAT 28 03 55N LONG 082 33 57W)									
SEP 1997									
29...	6	<0.010	0.050	0.030	0.91	0.030	0.030	--	--
02306950 BRUSHY CREEK NR CITRUS PARK, FLA. (LAT 28 03 53N LONG 082 33 20W)									
SEP 1997									
28...	13	<0.010	0.180	0.060	1.2	0.120	0.100	--	--
28...	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--
30...	8	<0.010	0.180	0.040	0.79	0.130	0.120	--	--
02307479 LAKE TARPON NR TARPON SPRINGS, FLA. (LAT 28 07 34N LONG 082 44 08W)									
JAN 1997									
29...	--	<0.010	<0.020	0.030	0.69	0.020	<0.010	--	--
MAR									
07...	--	<0.010	<0.020	<0.010	0.83	0.060	<0.010	--	--
APR									
09...	--	<0.010	<0.020	<0.010	1.0	0.040	0.010	--	--
JUL									
31...	--	<0.010	<0.020	0.040	1.2	0.060	0.030	--	--
SEP									
08...	--	<0.010	<0.020	0.050	1.6	0.030	0.030	--	--
16...	--	<0.010	<0.020	0.010	1.5	0.070	<0.010	70	1

MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 (MG/L AS N) (00630)	NITRO- GEN, AMMONIA (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC (MG/L AS N) (00625)	PHOS- PHORUS (MG/L AS P) (00665)	PHOS- PHORUS (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
02307498	LAKE TARPON CANAL AT S-551, NR OLDSMAR, FLA. (LAT 28 03 12N LONG 082 42 40W)								
SEP 1997									
08...	758	<0.010	<0.020	0.050	0.97	<0.020	0.040	--	--
16...	826	<0.010	0.030	0.030	0.81	0.060	0.010	--	--
02309494	HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22N LONG 082 46 21W)								
SEP 1997									
03...	--	<0.010	6.70	0.120	0.36	0.070	0.090	7	<1
DATE	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
02307498	LAKE TARPON CANAL AT S-551, NR OLDSMAR, FLA. (LAT 28 03 12N LONG 082 42 40W)								
SEP 1997									
08...	--	--	--	--	--	--	--	300	--
16...	--	--	--	--	--	--	--	330	--
02309494	HEALTH SPRING NR OZONA, FLA. (LAT 28 06 22N LONG 082 46 21W)								
SEP 1997									
03...	<1	<1	<1	10	<1	<0.10	5	--	<1

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

				DEPTH TO BOT. FROM		SPE- CIFIC	PH
		SAM- PLING DEPTH (FEET) (000003)	SAM- PLING DEPTH (M) (000098)	SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
FIELD DETERMINATIONS							
		02297330 - PEACE RIVER AT FT. OGDEN, FL					
OCT							
21...	1555	1.00	--	--	5.9	335	7.4
21...	1556	2.90	--	--	--	335	7.4
21...	1557	5.80	--	--	--	335	7.4
22...	1212	1.20	--	--	9.2	331	7.6
22...	1213	4.20	--	--	--	338	7.5
22...	1214	8.00	--	--	--	331	7.5
NOV							
19...	1639	--	0.30	2.15	--	500	7.6
19...	1640	--	1.0	--	--	500	7.6
19...	1641	--	1.5	--	--	501	7.6
19...	1642	--	2.0	--	--	500	7.6
20...	1419	--	0.30	2.15	--	507	7.8
20...	1420	--	1.0	--	--	510	7.7
20...	1421	--	1.5	--	--	511	7.6
20...	1422	--	1.8	--	--	509	7.6
DEC							
17...	1551	--	0.30	3.15	--	458	8.3
17...	1552	--	0.50	--	--	459	8.3
17...	1553	--	1.0	--	--	460	8.2
17...	1554	--	1.5	--	--	457	8.2
17...	1555	--	2.0	--	--	460	8.1
17...	1556	--	2.5	--	--	461	8.1
17...	1557	--	3.0	--	--	461	8.1
18...	1244	--	0.30	3.15	--	483	7.9
18...	1245	--	0.50	--	--	483	7.9
18...	1246	--	1.0	--	--	481	7.9
18...	1247	--	1.5	--	--	481	7.8
18...	1248	--	2.0	--	--	481	7.8
18...	1249	--	2.5	--	--	481	7.8
18...	1250	--	3.0	--	--	481	7.8
JAN							
21...	1656	--	0.30	2.75	--	669	7.9
21...	1657	--	0.50	--	--	669	7.9
21...	1658	--	1.0	--	--	665	7.9
21...	1659	--	1.5	--	--	665	7.9
21...	1701	--	2.0	--	--	668	7.8
21...	1702	--	2.5	--	--	669	7.8
22...	1456	--	0.30	2.15	--	577	7.8
22...	1457	--	0.50	--	--	576	7.8
22...	1458	--	1.0	--	--	574	7.8
22...	1459	--	1.5	--	--	576	7.8
22...	1500	--	2.0	--	--	573	7.8
FEB							
18...	1651	--	0.30	2.75	--	615	7.8
18...	1652	--	0.50	--	--	615	7.7
18...	1653	--	1.0	--	--	615	7.7
18...	1655	--	1.5	--	--	615	7.7
18...	1656	--	2.0	--	--	617	7.7
18...	1657	--	2.5	--	--	617	7.7
19...	1241	--	0.30	2.55	--	582	7.9
19...	1242	--	0.50	--	--	579	7.8
19...	1243	--	1.0	--	--	576	7.8
19...	1244	--	1.5	--	--	585	7.8
19...	1245	--	2.0	--	--	580	7.8
19...	1246	--	2.4	--	--	581	7.8
MAR							
17...	1633	--	0.30	2.65	--	622	7.6
17...	1634	--	0.50	--	--	627	7.6
17...	1635	--	1.0	--	--	628	7.6
17...	1636	--	1.5	--	--	631	7.6
17...	1637	--	2.0	--	--	630	7.5
17...	1638	--	2.3	--	--	624	7.4
18...	1520	--	0.30	3.15	--	594	7.5
18...	1521	--	0.50	--	--	596	7.5
18...	1522	--	1.0	--	--	596	7.5
18...	1523	--	1.5	--	--	596	7.5
18...	1524	--	2.0	--	--	603	7.5
18...	1525	--	2.5	--	--	596	7.4
18...	1526	--	3.0	--	--	584	7.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	LIGHT DEPTH TO 1% OF SURFACE LIGHT (FEET) (00034)	OXYGEN, DIS- SOLVED (MG/L) (00300)
02297330 - PEACE RIVER AT FT. OGDEN, FL							
OCT							
21...	23.0	23.0	1660	--	--	2.30	7.0
21...	23.0	--	--	--	--	--	7.0
21...	23.0	--	--	--	--	--	6.9
22...	23.0	--	--	--	--	--	7.6
22...	23.0	--	--	--	--	--	7.3
22...	22.0	--	--	--	--	--	6.7
NOV							
19...	21.5	--	1100	--	--	5.00	6.9
19...	21.5	--	--	--	--	--	6.9
19...	22.0	--	--	--	--	--	6.9
19...	22.0	--	--	--	--	--	6.9
20...	22.5	--	--	--	--	--	6.2
20...	22.0	--	--	--	--	--	5.9
20...	22.0	--	--	--	--	--	5.8
20...	21.5	--	--	--	--	--	5.7
DEC							
17...	19.0	--	1000	2.1	--	--	9.7
17...	19.0	--	--	--	--	--	10.4
17...	19.0	--	--	--	--	--	10.1
17...	19.0	--	--	--	--	--	9.9
17...	19.0	--	--	--	--	--	10.1
17...	19.0	--	--	--	--	--	10.1
17...	19.0	--	--	--	--	--	10.1
18...	19.5	--	--	--	--	--	8.5
18...	19.5	--	--	--	--	--	8.4
18...	19.5	--	--	--	--	--	8.4
18...	19.0	--	--	--	--	--	8.3
18...	18.5	--	--	--	--	--	8.4
18...	18.5	--	--	--	--	--	8.2
18...	18.5	--	--	--	--	--	8.1
JAN							
21...	15.0	--	1110	2.1	--	--	9.7
21...	15.0	--	--	--	--	--	9.6
21...	15.0	--	--	--	--	--	9.6
21...	15.0	--	--	--	--	--	9.7
21...	14.5	--	--	--	--	--	9.7
21...	14.5	--	--	--	--	--	9.6
22...	15.5	--	--	--	--	--	9.8
22...	15.5	--	--	--	--	--	9.7
22...	15.0	--	--	--	--	--	9.7
22...	15.0	--	--	--	--	--	9.7
22...	15.0	--	--	--	--	--	9.7
FEB							
18...	20.5	--	60.0	--	--	--	7.9
18...	20.5	--	--	--	--	--	8.0
18...	20.5	--	--	--	--	--	8.0
18...	20.5	--	--	--	--	--	8.0
18...	20.5	--	--	--	--	--	8.0
18...	20.5	--	--	--	2.6	--	8.0
19...	21.5	--	--	--	--	--	8.6
19...	21.5	--	--	--	--	--	8.4
19...	21.0	--	--	--	--	--	8.3
19...	21.0	--	--	--	--	--	8.3
19...	21.0	--	--	--	--	--	8.2
19...	21.0	--	--	--	--	--	8.2
MAR							
17...	25.5	--	1820	1.7	--	--	7.4
17...	25.5	--	--	--	--	--	7.4
17...	25.5	--	--	--	--	--	7.3
17...	25.5	--	--	--	--	--	7.2
17...	25.0	--	--	--	--	--	6.7
17...	24.5	--	--	--	--	--	6.5
18...	25.5	--	--	--	--	--	6.6
18...	25.5	--	--	--	--	--	6.7
18...	25.5	--	--	--	--	--	6.6
18...	25.0	--	--	--	--	--	6.4
18...	25.0	--	--	--	--	--	6.3
18...	25.0	--	--	--	--	--	6.2
18...	24.5	--	--	--	--	--	6.1

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	OXYGEN, DIS- SOLVED (MG/L) (00300)
02297330 - PEACE RIVER AT FT. OGDEN, FL										
APR										
29...	1540	0.30	2.65	451	7.2	25.0	2320	1.5	--	5.5
29...	1541	1.0	--	449	7.2	25.0	--	--	--	5.5
29...	1542	1.5	--	447	7.2	25.0	--	--	--	5.5
29...	1543	2.0	--	447	7.2	25.0	--	--	--	5.5
29...	1544	2.5	--	446	7.2	25.0	--	--	--	5.5
30...	1235	0.30	3.35	433	7.1	24.5	--	--	--	5.5
30...	1236	0.50	--	433	7.1	24.5	--	--	--	5.4
30...	1237	1.0	--	438	7.1	24.5	--	--	--	5.4
30...	1238	1.5	--	436	7.1	24.0	--	--	--	5.4
30...	1239	2.0	--	435	7.1	24.0	--	--	--	5.4
30...	1240	2.5	--	435	7.1	24.0	--	--	--	5.4
30...	1241	3.0	--	436	7.1	24.0	--	--	--	5.3
MAY										
28...	1353	0.30	1.95	537	7.7	30.0	--	--	--	6.7
28...	1354	0.50	--	547	7.7	30.0	--	--	--	6.7
28...	1355	1.0	--	546	7.7	30.0	--	--	--	6.6
28...	1356	1.5	--	532	7.7	30.0	--	--	--	6.6
28...	1358	1.8	--	536	7.7	30.0	--	--	--	6.7
29...	1221	0.30	2.15	539	7.6	29.5	3200	--	--	6.5
29...	1222	0.50	--	539	7.6	29.5	--	--	--	6.5
29...	1223	1.0	--	539	7.5	29.5	--	--	--	6.5
29...	1224	1.5	--	539	7.5	29.5	--	--	--	6.5
29...	1225	2.0	--	539	7.5	29.5	--	--	6.1	6.4
JUN										
24...	1617	0.30	1.75	460	7.5	30.5	--	--	--	5.7
24...	1618	0.50	--	485	7.4	30.5	--	--	--	5.5
24...	1619	1.0	--	486	7.4	30.0	--	--	--	5.3
24...	1620	1.5	--	475	7.4	30.0	--	--	--	5.0
25...	1213	0.30	2.35	421	7.6	29.5	--	--	--	5.4
25...	1214	0.50	--	428	7.5	29.5	--	--	--	5.5
25...	1215	1.0	--	432	7.5	29.5	--	--	--	5.5
25...	1216	1.5	--	428	7.5	29.5	--	--	--	5.5
25...	1217	2.0	--	444	7.5	29.5	--	--	--	5.5
JUL										
28...	1527	0.30	2.15	272	6.9	29.5	2590	0.75	--	4.1
28...	1528	0.50	--	266	6.9	29.5	--	--	--	4.0
28...	1531	1.0	--	273	6.9	29.5	--	--	--	4.0
28...	1532	1.5	--	266	6.9	29.5	--	--	--	4.0
28...	1533	2.0	--	266	6.9	29.5	--	--	--	4.0
29...	1037	0.30	2.85	274	7.0	28.5	--	--	--	4.4
29...	1038	0.50	--	274	7.0	28.5	--	--	--	4.4
29...	1039	1.0	--	275	7.0	28.5	--	--	--	4.4
29...	1040	1.5	--	275	7.0	28.5	--	--	--	4.4
29...	1041	2.0	--	276	7.0	28.5	--	--	--	4.3
29...	1042	2.5	--	275	7.0	28.5	--	--	--	4.3
AUG										
26...	1527	0.30	2.15	261	7.0	29.5	2550	0.75	--	4.4
26...	1528	0.50	--	265	6.9	29.5	--	--	--	4.4
26...	1531	1.0	--	264	6.9	29.5	--	--	--	4.4
26...	1532	1.5	--	264	6.9	29.5	--	--	--	4.4
26...	1533	2.0	--	265	6.9	29.5	--	--	--	4.4
27...	1147	0.30	3.25	265	7.1	29.5	--	--	--	4.7
27...	1148	0.50	--	264	7.0	29.0	--	--	--	4.6
27...	1149	1.0	--	265	7.0	29.0	--	--	--	4.6
27...	1150	1.5	--	265	7.0	28.5	--	--	--	4.6
27...	1151	2.0	--	265	7.0	28.5	--	--	--	4.5
27...	1152	2.5	--	265	7.0	28.5	--	--	--	4.5
27...	1153	3.0	--	265	7.0	28.5	--	--	--	4.5

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (M) (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
		02297330 - PEACE RIVER AT FT. OGDEN, FL							
SEP									
25...	1603	0.30	3.15	392	7.4	29.0	805	0.91	6.0
25...	1604	0.50	--	396	7.4	29.0	--	--	6.0
25...	1606	1.0	--	388	7.4	29.0	--	--	5.9
25...	1607	1.5	--	388	7.4	29.0	--	--	5.9
25...	1608	2.0	--	394	7.4	29.0	--	--	5.8
25...	1609	2.5	--	388	7.3	29.0	--	--	5.7
25...	1610	3.0	--	396	7.3	29.0	--	--	5.7
26...	1205	0.30	2.65	396	7.3	28.5	--	--	5.3
26...	1206	0.50	--	397	7.3	28.5	--	--	5.3
26...	1207	1.0	--	400	7.3	28.5	--	--	5.3
26...	1208	1.5	--	399	7.3	28.5	--	--	5.2
26...	1209	2.0	--	396	7.3	28.5	--	--	5.2
26...	1210	2.5	--	396	7.3	28.5	--	--	5.2

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,												
OCT												
21...	1108	0.90	--	--	14	34000	7.8	23.5	75.0	2460	--	6.9
21...	1111	3.90	--	--	--	34200	7.8	23.5	--	--	--	6.5
21...	1112	6.80	--	--	--	34400	7.8	23.0	--	--	--	6.3
21...	1114	13.3	--	--	--	32900	7.7	24.5	--	--	2.1	4.5
22...	0914	1.10	--	--	15	33900	7.6	23.0	--	--	--	7.6
22...	0915	3.10	--	--	--	34000	7.7	23.0	--	--	--	7.5
22...	0916	7.40	--	--	--	33900	7.7	23.0	--	--	--	6.8
22...	0917	10.5	--	--	--	32400	7.5	24.0	--	--	--	4.8
22...	0918	14.1	--	--	--	32100	7.5	24.0	--	--	--	4.8
NOV												
19...	1118	--	0.30	4.15	--	41200	8.1	21.5	--	2460	--	--
19...	1119	--	1.0	--	--	41400	8.1	20.5	--	--	--	--
19...	1120	--	1.5	--	--	41600	8.1	20.0	--	--	--	--
19...	1121	--	2.0	--	--	41800	8.1	20.0	--	--	--	--
19...	1122	--	2.5	--	--	42100	8.1	20.5	--	--	--	--
19...	1123	--	3.0	--	--	42600	8.0	20.5	--	--	--	--
19...	1124	--	3.5	--	--	--	8.0	20.5	--	--	--	--
19...	1125	--	4.0	--	--	--	8.0	20.5	--	--	8.0	--
20...	0950	--	0.30	4.15	--	40700	8.1	21.0	--	--	--	--
20...	0951	--	1.0	--	--	40700	8.1	20.5	--	--	--	--
20...	0952	--	1.5	--	--	--	8.2	21.0	--	--	--	--
20...	0953	--	2.0	--	--	43400	8.1	20.5	--	--	--	--
20...	0954	--	2.5	--	--	--	8.1	20.5	--	--	--	--
20...	0955	--	3.0	--	--	45400	8.0	20.5	--	--	--	--
20...	0956	--	3.5	--	--	--	8.0	20.5	--	--	--	--
20...	0957	--	3.9	--	--	--	8.0	20.5	--	--	--	--
DEC												
17...	1016	--	0.30	4.00	--	42400	8.0	18.5	--	2380	--	8.5
17...	1017	--	0.50	--	--	42400	8.0	18.5	--	--	--	8.2
17...	1018	--	1.0	--	--	42400	8.1	18.5	--	--	--	8.0
17...	1019	--	1.5	--	--	42400	8.1	18.5	--	--	--	8.0
17...	1020	--	2.0	--	--	42400	8.1	18.5	--	--	--	7.9
17...	1021	--	2.5	--	--	42400	8.1	18.5	--	--	--	8.0
17...	1022	--	3.0	--	--	42400	8.1	18.5	--	--	--	7.9
17...	1024	--	3.5	--	--	42500	8.1	18.5	--	--	--	8.1
17...	1025	--	4.0	--	--	42500	8.1	18.5	--	--	2.6	8.2
18...	0901	--	0.30	4.15	--	42000	7.8	19.0	--	--	--	7.0
18...	0902	--	0.50	--	--	41900	7.9	19.0	--	--	--	7.0
18...	0903	--	1.0	--	--	42100	7.9	19.0	--	--	--	7.0
18...	0904	--	1.5	--	--	42000	7.9	19.0	--	--	--	7.0
18...	0905	--	2.0	--	--	42100	7.9	19.0	--	--	--	7.0
18...	0906	--	2.5	--	--	42300	7.9	19.0	--	--	--	7.0
18...	0907	--	3.0	--	--	42200	7.9	19.0	--	--	--	7.0
18...	0908	--	3.5	--	--	41900	7.9	19.0	--	--	--	6.9
18...	0909	--	4.0	--	--	42000	7.9	19.0	--	--	--	6.7
JAN												
21...	1147	--	0.50	3.65	--	46000	7.9	15.5	--	2470	--	7.9
21...	1148	--	1.0	--	--	46000	7.9	15.0	--	--	--	7.9
21...	1149	--	1.5	--	--	46000	7.9	15.0	--	--	--	7.9
21...	1150	--	2.0	--	--	46000	7.9	15.0	--	--	--	7.9
21...	1151	--	2.5	--	--	45900	7.9	15.0	--	--	--	7.9
21...	1152	--	3.0	--	--	45900	7.9	15.0	--	--	--	7.9
21...	1153	--	3.5	--	--	45900	7.9	15.0	--	--	11	7.9
22...	1127	--	0.30	3.65	--	43400	7.8	16.5	--	--	--	8.0
22...	1128	--	0.50	--	--	43500	7.8	16.0	--	--	--	8.1
22...	1129	--	1.0	--	--	43800	7.9	15.5	--	--	--	8.0
22...	1130	--	1.5	--	--	44000	7.9	15.5	--	--	--	8.1
22...	1131	--	2.0	--	--	44100	7.9	15.5	--	--	--	7.9
22...	1132	--	2.5	--	--	44100	7.9	15.5	--	--	--	7.9
22...	1133	--	3.0	--	--	44100	7.9	15.5	--	--	--	7.9
22...	1134	--	3.5	--	--	44200	7.9	15.5	--	--	--	7.9

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (METERS) (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,									
FEB									
18...	1151	0.30	3.65	44500	7.8	19.5	2800	--	7.5
18...	1152	1.0	--	44700	7.8	19.5	--	--	7.5
18...	1153	1.5	--	44700	7.8	19.5	--	--	7.5
18...	1154	2.0	--	44700	7.8	19.5	--	--	7.5
18...	1155	2.5	--	44500	7.8	19.5	--	--	7.5
18...	1156	3.0	--	44400	7.8	19.5	--	--	7.5
18...	1157	3.5	--	44600	7.8	19.5	--	5.2	7.5
19...	0945	0.30	3.75	42600	7.8	20.0	--	--	7.6
19...	0946	0.50	--	42400	7.8	20.0	--	--	7.6
19...	0947	1.0	--	42700	7.8	20.0	--	--	7.6
19...	0948	1.5	--	42600	7.8	20.0	--	--	7.6
19...	0949	2.0	--	42300	7.8	20.0	--	--	7.6
19...	0950	2.5	--	42300	7.8	20.0	--	--	7.6
19...	0951	3.0	--	43200	7.8	20.0	--	--	7.3
19...	0952	3.5	--	43500	7.8	20.0	--	--	7.2
MAR									
17...	1116	0.30	3.65	45600	7.8	23.5	2590	--	6.8
17...	1117	0.50	--	45700	7.8	23.5	--	--	6.8
17...	1118	1.0	--	45600	7.8	23.5	--	--	6.8
17...	1119	1.5	--	45600	7.8	23.5	--	--	6.8
17...	1120	2.0	--	45600	7.8	23.5	--	--	6.8
17...	1121	2.5	--	45600	7.8	23.5	--	--	6.8
17...	1122	3.0	--	45600	7.8	23.5	--	--	6.8
17...	1123	3.5	--	45600	7.8	23.5	--	2.7	6.8
18...	1131	0.30	3.65	47200	8.0	24.0	--	--	6.6
18...	1132	0.50	--	47200	8.0	24.0	--	--	6.6
18...	1133	1.0	--	47200	8.0	24.0	--	--	6.6
18...	1134	1.5	--	47200	8.0	24.0	--	--	6.6
18...	1135	2.0	--	47300	8.0	24.0	--	--	6.6
18...	1136	2.5	--	47200	8.0	24.0	--	--	6.6
18...	1137	3.0	--	47300	8.0	24.0	--	--	6.6
18...	1138	3.5	--	47400	8.0	24.0	--	--	6.6
APR									
29...	0951	0.30	4.35	46500	8.0	25.0	2500	--	6.0
29...	0952	0.50	--	46500	8.0	25.0	--	--	6.0
29...	0953	1.0	--	46500	8.0	25.0	--	--	6.0
29...	0954	1.5	--	46600	8.0	25.0	--	--	6.1
29...	0955	2.0	--	46500	8.0	25.0	--	--	6.1
29...	0956	2.5	--	46500	8.0	25.0	--	--	6.1
29...	0957	3.0	--	46600	8.0	25.0	--	--	6.1
29...	0958	3.5	--	46500	8.0	25.0	--	--	6.1
29...	0959	4.0	--	46600	8.0	25.0	--	2.0	5.9
30...	0916	0.30	3.95	45500	8.0	25.0	--	--	6.6
30...	0917	0.50	--	45500	8.0	25.0	--	--	6.6
30...	0918	1.0	--	45500	8.0	25.0	--	--	6.5
30...	0919	1.5	--	45700	8.0	25.0	--	--	6.5
30...	0920	2.0	--	46300	8.0	25.0	--	--	6.2
30...	0921	2.5	--	46300	8.0	25.0	--	--	6.1
30...	0922	3.0	--	46300	8.0	25.0	--	--	6.0
30...	0923	3.5	--	46300	8.0	25.0	--	--	6.0
MAY									
28...	1024	0.30	4.05	42100	7.9	29.5	--	--	6.1
28...	1025	0.50	--	42300	7.9	29.5	--	--	6.1
28...	1026	1.0	--	42400	7.9	29.0	--	--	6.1
28...	1027	1.5	--	42400	8.0	29.0	--	--	6.1
28...	1028	2.0	--	42500	8.0	29.0	--	--	6.0
28...	1029	2.5	--	42700	7.9	29.0	--	--	6.0
28...	1031	3.0	--	42900	7.9	29.0	--	--	5.9
28...	1032	3.5	--	43200	7.9	29.0	--	--	5.5
28...	1033	3.9	--	43900	7.9	29.0	--	--	4.5
29...	0731	0.30	3.85	41600	7.8	28.0	2000	--	5.4
29...	0732	0.50	--	41700	7.8	28.0	--	--	5.4
29...	0733	1.0	--	41600	7.9	28.0	--	--	5.3
29...	0734	1.5	--	41700	7.9	28.0	--	--	5.3
29...	0735	2.0	--	41600	7.9	28.0	--	--	5.3
29...	0736	2.5	--	41600	7.9	28.0	--	--	5.3
29...	0737	3.0	--	41700	7.9	28.0	--	--	5.0
29...	0738	3.5	--	42800	7.8	28.5	--	--	4.4
29...	0739	3.7	--	42800	7.8	28.5	--	1.1	4.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (M) (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,										
JUN										
24...	1014	0.50	3.75	41800	7.9	30.0	2820	--	--	6.3
24...	1015	1.0	--	41800	7.9	29.5	--	--	--	6.3
24...	1016	1.5	--	42000	7.9	29.5	--	--	--	6.3
24...	1017	2.0	--	42300	7.9	29.5	--	--	--	6.2
24...	1018	2.5	--	42600	7.9	29.5	--	--	--	6.2
24...	1019	3.0	--	42900	7.9	29.5	--	--	--	6.1
24...	1021	3.5	--	44900	7.8	30.0	--	--	4.7	4.3
25...	0734	0.30	3.95	39600	7.9	29.0	--	--	--	6.0
25...	0735	0.50	--	39200	7.9	29.0	--	--	--	6.1
25...	0736	1.0	--	40400	7.9	29.0	--	--	--	6.1
25...	0737	1.5	--	40400	7.9	29.0	--	--	--	6.0
25...	0738	2.0	--	41200	7.9	29.0	--	--	--	5.9
25...	0739	2.5	--	42500	7.9	29.5	--	--	--	5.3
25...	0740	3.0	--	43100	7.9	29.5	--	--	--	5.1
25...	0741	3.5	--	43000	7.9	29.5	--	--	--	5.0
JUL										
28...	1007	0.30	4.25	27800	8.0	31.5	2570	2.0	--	6.7
28...	1008	0.50	--	27400	8.0	31.5	--	--	--	6.9
28...	1009	1.0	--	27600	8.0	31.5	--	--	--	6.8
28...	1011	1.5	--	28800	8.0	30.0	--	--	--	6.5
28...	1012	2.0	--	29500	8.0	30.5	--	--	--	6.4
28...	1013	2.5	--	29900	8.0	30.0	--	--	--	6.2
28...	1014	3.0	--	39200	7.6	30.0	--	--	--	1.4
28...	1015	3.5	--	39200	7.6	30.0	--	--	--	0.9
28...	1016	4.0	--	39700	7.5	30.0	--	--	--	0.7
29...	0756	0.30	4.05	23600	7.9	29.5	--	--	--	6.4
29...	0757	0.50	--	23600	7.9	29.5	--	--	--	6.4
29...	0758	1.0	--	25900	7.9	30.0	--	--	--	6.0
29...	0759	1.5	--	26700	7.9	30.0	--	--	--	5.9
29...	0800	2.0	--	27400	7.9	30.0	--	--	--	6.0
29...	0801	2.5	--	35100	7.5	30.0	--	--	--	1.5
29...	0802	3.0	--	36600	7.5	30.0	--	--	--	0.7
29...	0803	3.5	--	37900	7.5	30.0	--	--	--	0.5
29...	0804	3.9	--	38400	7.5	30.0	--	--	--	0.3
AUG										
26...	1003	0.30	4.15	24500	7.8	30.5	2610	1.8	--	5.6
26...	1004	0.50	--	24400	7.8	30.5	--	--	--	5.5
26...	1006	1.0	--	24500	7.8	30.5	--	--	--	5.5
26...	1007	1.5	--	24600	7.8	30.0	--	--	--	5.7
26...	1010	2.0	--	24700	7.8	30.0	--	--	--	5.7
26...	1011	2.5	--	24700	7.8	30.0	--	--	--	5.2
26...	1012	3.0	--	30500	7.3	31.0	--	--	--	0.2
26...	1013	3.5	--	31200	7.4	31.0	--	--	--	0.1
26...	1014	4.0	--	31200	7.4	31.0	--	--	--	0.1
27...	0823	0.30	4.25	23100	7.5	29.5	--	--	--	5.4
27...	0824	0.50	--	23100	7.5	29.5	--	--	--	5.4
27...	0825	1.0	--	23000	7.5	29.0	--	--	--	5.4
27...	0826	1.5	--	23600	7.6	29.0	--	--	--	5.2
27...	0827	2.0	--	24300	7.6	29.5	--	--	--	5.1
27...	0828	2.5	--	25700	7.7	29.5	--	--	--	4.1
27...	0829	3.0	--	31600	7.6	30.5	--	--	--	1.6
27...	0830	3.5	--	31700	7.6	31.0	--	--	--	1.5
27...	0831	4.0	--	31700	7.6	31.0	--	--	--	1.4
SEP										
25...	1003	0.30	4.05	34400	7.8	29.0	2800	--	--	5.8
25...	1004	0.50	--	34400	7.8	29.0	--	--	--	5.8
25...	1005	1.0	--	34400	7.8	29.0	--	--	--	5.8
25...	1006	1.5	--	34400	7.8	29.0	--	--	--	5.8
25...	1007	2.0	--	34400	7.8	29.0	--	--	--	5.8
25...	1008	2.5	--	34400	7.8	29.0	--	--	--	5.7
25...	1009	3.0	--	34500	7.8	29.0	--	--	--	5.7
25...	1010	3.5	--	34500	7.8	29.0	--	--	5.0	5.4
25...	1011	4.0	--	35100	7.6	29.0	--	--	--	2.0

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL							
OCT							
21...	1238	1.10	--	--	10	21600	7.4
21...	1239	2.00	--	--	--	22400	7.5
21...	1240	3.30	--	--	--	23900	7.5
21...	1241	5.80	--	--	--	29200	7.4
21...	1242	8.10	--	--	--	31100	7.3
21...	1243	9.40	--	--	--	32600	7.3
22...	0935	1.20	--	--	10	26400	7.5
22...	0936	3.00	--	--	--	26700	7.5
22...	0938	6.80	--	--	--	29900	7.3
22...	0939	9.70	--	--	--	31500	7.3
NOV							
19...	1246	--	0.30	3.15	--	35000	8.0
19...	1247	--	1.0	--	--	36100	8.1
19...	1248	--	1.5	--	--	36600	8.1
19...	1249	--	2.0	--	--	37200	8.1
19...	1250	--	2.5	--	--	37600	8.1
19...	1251	--	3.0	--	--	38500	8.1
20...	1022	--	0.30	3.15	--	37400	8.1
20...	1023	--	1.0	--	--	39000	8.1
20...	1024	--	1.5	--	--	39200	8.1
20...	1025	--	2.0	--	--	39300	8.1
20...	1026	--	2.5	--	--	39500	8.1
20...	1027	--	3.0	--	--	39700	8.1
DEC							
17...	1136	--	0.30	2.90	--	35800	7.9
17...	1137	--	0.50	--	--	36000	8.0
17...	1138	--	1.0	--	--	37000	8.0
17...	1139	--	1.5	--	--	37500	8.0
17...	1140	--	2.0	--	--	37800	8.0
17...	1141	--	2.5	--	--	38500	8.0
17...	1142	--	3.0	--	--	38500	8.0
18...	0922	--	0.30	3.25	--	37800	7.8
18...	0923	--	0.50	--	--	37700	7.8
18...	0924	--	1.0	--	--	37900	7.8
18...	0925	--	1.5	--	--	37900	7.8
18...	0926	--	2.0	--	--	38100	7.8
18...	0927	--	2.5	--	--	40100	7.8
18...	0928	--	3.1	--	--	40100	7.8
JAN							
21...	1304	--	0.50	2.45	--	39000	7.9
21...	1305	--	1.0	--	--	39900	7.9
21...	1306	--	1.5	--	--	40200	7.9
21...	1307	--	2.0	--	--	40200	7.9
21...	1309	--	2.3	--	--	40100	7.9
22...	1145	--	0.30	2.55	--	34800	7.9
22...	1146	--	0.50	--	--	34700	7.9
22...	1147	--	1.0	--	--	36100	7.9
22...	1148	--	1.5	--	--	40700	7.9
22...	1149	--	2.0	--	--	41000	7.9
22...	1150	--	2.4	--	--	41100	7.9
FEB							
18...	1316	--	0.30	2.45	--	39600	7.8
18...	1317	--	0.50	--	--	39600	7.8
18...	1318	--	1.0	--	--	39700	7.8
18...	1319	--	1.5	--	--	39900	7.9
18...	1320	--	2.0	--	--	40000	7.9
18...	1321	--	2.3	--	--	40000	7.9
19...	1007	--	0.30	2.45	--	33000	7.8
19...	1008	--	0.50	--	--	33300	7.8
19...	1009	--	1.0	--	--	34300	7.8
19...	1010	--	1.5	--	--	39100	7.8
19...	1011	--	2.0	--	--	40200	7.8
19...	1012	--	2.3	--	--	40000	7.8

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TEMPER- ATURE (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	LIGHT INCI- DENT PERCENT REMAIN- ING AT DEPTH (00031)	LIGHT DEPTH TO 1% OF SURFACE LIGHT (FEET) (00034)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL							
OCT							
21...	24.5	45.0	2440	--	--	7.00	6.7
21...	24.5	--	--	--	--	--	6.1
21...	24.0	--	--	--	--	--	5.4
21...	24.5	--	--	--	--	--	3.2
21...	25.0	--	--	--	--	--	2.8
21...	25.0	--	--	--	--	--	2.5
22...	24.0	--	--	--	--	--	7.1
22...	24.0	--	--	--	--	--	6.4
22...	24.5	--	--	--	--	--	2.8
22...	25.0	--	--	--	--	--	3.0
NOV							
19...	22.0	--	2500	--	--	--	--
19...	21.5	--	--	--	--	--	--
19...	21.0	--	--	--	--	--	--
19...	21.0	--	--	--	--	--	--
19...	21.0	--	--	--	--	--	--
19...	20.5	--	--	--	4.0	--	--
20...	21.5	--	--	--	--	--	8.6
20...	21.0	--	--	--	--	--	8.0
20...	21.0	--	--	--	--	--	7.9
20...	21.0	--	--	--	--	--	7.8
20...	21.0	--	--	--	--	--	7.6
20...	21.0	--	--	--	--	--	7.4
DEC							
17...	19.5	--	2390	--	--	--	8.6
17...	19.5	--	--	--	--	--	8.3
17...	19.0	--	--	--	--	--	8.1
17...	19.5	--	--	--	--	--	8.1
17...	19.5	--	--	--	--	--	7.9
17...	19.5	--	--	--	--	--	7.8
17...	19.5	--	--	--	2.8	--	7.9
18...	19.0	--	--	--	--	--	6.6
18...	19.0	--	--	--	--	--	6.6
18...	19.0	--	--	--	--	--	6.6
18...	19.0	--	--	--	--	--	6.4
18...	19.0	--	--	--	--	--	6.2
18...	19.5	--	--	--	--	--	5.7
18...	19.5	--	--	--	--	--	5.6
JAN							
21...	15.0	--	2490	--	--	--	8.7
21...	15.5	--	--	--	--	--	8.5
21...	15.5	--	--	--	--	--	8.4
21...	15.5	--	--	--	--	--	8.4
21...	15.5	--	--	--	6.5	--	8.4
22...	16.0	--	--	--	--	--	8.8
22...	16.0	--	--	--	--	--	8.8
22...	16.0	--	--	--	--	--	8.7
22...	15.5	--	--	--	--	--	8.1
22...	15.5	--	--	--	--	--	8.0
22...	15.5	--	--	--	--	--	8.0
FEB							
18...	19.5	--	2950	2.0	--	--	7.8
18...	19.5	--	--	--	--	--	7.9
18...	19.5	--	--	--	--	--	7.9
18...	19.5	--	--	--	--	--	7.9
18...	19.5	--	--	--	--	--	8.0
18...	19.5	--	--	--	--	--	8.0
19...	20.5	--	--	--	--	--	7.8
19...	20.5	--	--	--	--	--	7.8
19...	20.0	--	--	--	--	--	7.7
19...	20.0	--	--	--	--	--	7.1
19...	20.0	--	--	--	--	--	7.0
19...	20.0	--	--	--	--	--	6.9

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL									
MAR									
17...	1246	0.30	2.65	36900	7.8	24.0	2980	2.7	7.5
17...	1247	0.50	--	36900	7.8	24.0	--	--	7.6
17...	1248	1.0	--	38300	7.8	24.0	--	--	7.5
17...	1249	1.5	--	41100	7.8	24.0	--	--	7.2
17...	1250	2.0	--	41300	7.8	24.0	--	--	7.0
17...	1251	2.5	--	42100	7.7	23.5	--	--	6.3
18...	1154	0.30	2.65	39900	8.0	23.5	--	--	7.1
18...	1155	0.50	--	39600	8.0	23.5	--	--	7.2
18...	1156	1.0	--	40300	8.0	23.5	--	--	7.1
18...	1157	1.5	--	41600	8.0	23.5	--	--	6.7
18...	1158	2.0	--	40000	7.9	23.5	--	--	6.2
18...	1159	2.5	--	40400	7.9	23.5	--	--	5.9
APR									
29...	1110	0.30	3.05	39700	7.9	25.0	1480	2.1	6.3
29...	1111	0.50	--	39800	7.9	25.0	--	--	6.3
29...	1112	1.0	--	39700	7.9	25.0	--	--	6.3
29...	1113	1.5	--	39900	7.9	25.0	--	--	6.3
29...	1114	2.0	--	40400	7.9	24.5	--	--	6.2
29...	1116	2.5	--	41400	7.9	24.5	--	--	5.9
29...	1117	2.9	--	41400	7.9	24.5	--	--	5.9
30...	0935	0.30	2.95	31000	7.9	25.0	--	--	7.1
30...	0936	0.50	--	34500	7.9	25.5	--	--	7.2
30...	0937	1.0	--	35400	7.9	25.0	--	--	7.0
30...	0938	1.5	--	40800	7.8	25.0	--	--	5.7
30...	0939	2.0	--	41300	7.8	25.0	--	--	5.4
30...	0940	2.5	--	41600	7.8	25.0	--	--	5.2
30...	0941	2.8	--	41600	7.8	25.0	--	--	5.2
MAY									
28...	1053	0.30	2.95	24700	7.9	30.0	--	--	6.4
28...	1054	0.50	--	25800	7.9	30.0	--	--	6.3
28...	1055	1.0	--	30100	7.8	29.5	--	--	5.5
28...	1056	1.5	--	36200	7.8	29.5	--	--	4.6
28...	1057	2.0	--	39300	7.8	29.5	--	--	3.9
28...	1058	2.5	--	39400	7.8	30.0	--	--	3.9
28...	1059	2.8	--	39500	7.8	30.0	--	--	3.9
29...	0844	0.30	2.85	33600	7.8	27.5	2400	2.5	5.6
29...	0845	0.50	--	33700	7.8	27.5	--	--	5.6
29...	0846	1.0	--	35000	7.8	28.0	--	--	5.4
29...	0847	1.5	--	37200	7.8	28.0	--	--	4.6
29...	0848	2.0	--	38800	7.7	28.5	--	--	3.6
29...	0849	2.5	--	40600	7.7	29.0	--	--	3.5
29...	0850	2.7	--	40400	7.7	29.0	--	--	3.5
JUN									
24...	1125	0.50	2.85	29600	7.9	30.0	3090	1.5	7.2
24...	1126	1.0	--	36700	7.8	29.5	--	--	5.4
24...	1127	1.5	--	37900	7.8	29.5	--	--	5.2
24...	1128	2.0	--	40400	7.8	30.0	--	--	4.3
24...	1129	2.5	--	41100	7.7	30.0	--	--	3.6
25...	0754	0.30	2.85	31700	7.9	28.5	--	--	6.0
25...	0755	0.50	--	32700	7.9	28.5	--	--	5.9
25...	0756	1.0	--	34200	7.9	28.5	--	--	5.9
25...	0757	1.5	--	37200	7.8	29.5	--	--	4.4
25...	0758	2.0	--	38200	7.8	29.5	--	--	4.1
25...	0759	2.5	--	39000	7.8	29.5	--	--	3.8
JUL									
28...	1131	0.30	3.25	5830	7.4	31.5	2570	1.4	5.1
28...	1132	0.50	--	6740	7.2	31.0	--	--	4.8
28...	1134	1.0	--	27000	7.2	30.5	--	--	1.1
28...	1135	1.5	--	29100	7.2	30.5	--	--	0.6
28...	1136	2.0	--	32400	7.3	30.0	--	--	0.6
28...	1137	2.5	--	33000	7.4	30.0	--	--	0.6
28...	1138	3.0	--	33400	7.4	30.0	--	--	0.6
29...	0816	0.30	2.85	7740	7.3	30.0	--	--	5.3
29...	0817	0.50	--	8530	7.3	30.0	--	--	5.5
29...	0818	1.0	--	17500	7.1	30.5	--	--	2.5
29...	0819	1.5	--	20100	7.2	31.0	--	--	1.9
29...	0820	2.0	--	29400	7.2	30.5	--	--	0.8
29...	0821	2.5	--	30400	7.2	30.5	--	--	0.6
29...	0822	3.0	--	30700	7.3	30.5	--	--	0.5

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (METERS) (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL									
AUG									
26...	1124	0.30	3.15	10100	7.3	31.0	3020	1.4	4.5
26...	1126	0.50	--	12100	7.3	30.5	--	--	4.2
26...	1127	1.0	--	20300	7.2	30.5	--	--	2.0
26...	1129	1.5	--	28000	7.3	30.5	--	--	0.1
26...	1130	2.0	--	30100	7.3	31.0	--	--	0.1
26...	1132	2.5	--	30100	7.3	31.0	--	--	0.1
26...	1134	3.0	--	30100	7.3	31.0	--	--	0.0
27...	0848	0.30	3.15	19900	7.3	28.5	--	--	4.1
27...	0849	0.50	--	19900	7.3	28.5	--	--	4.0
27...	0850	1.0	--	20900	7.3	29.0	--	--	3.7
27...	0851	1.5	--	24000	7.3	29.5	--	--	1.2
27...	0852	2.0	--	29600	7.3	31.0	--	--	0.2
27...	0853	2.5	--	29700	7.3	31.0	--	--	0.1
27...	0854	3.0	--	29700	7.3	31.0	--	--	0.1
SEP									
25...	1135	0.30	3.55	31200	7.7	29.0	2780	2.7	6.0
25...	1137	0.50	--	31600	7.7	29.0	--	--	6.0
25...	1138	1.0	--	31700	7.7	29.0	--	--	6.0
25...	1139	1.5	--	31000	7.7	29.0	--	--	6.0
25...	1141	2.0	--	31400	7.7	29.0	--	--	5.9
25...	1142	2.5	--	33000	7.5	29.0	--	--	2.6
25...	1143	3.0	--	33300	7.4	29.0	--	--	2.0
25...	1144	3.4	--	34400	7.4	29.0	--	--	1.8

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
265724082024400 - PEACE R. AT RIVER MILE 4.88 NR PUNTA GORDA, FL									
OCT									
22...	0946	1.00	--	--	7.7	27500	7.3	24.5	5.1
22...	0947	2.10	--	--	--	27700	7.3	24.5	4.5
22...	0948	3.90	--	--	--	27800	7.3	24.5	3.9
22...	0949	6.90	--	--	--	28400	7.3	24.5	3.7
NOV									
20...	1038	--	0.30	2.45	--	37400	8.1	21.5	8.0
20...	1039	--	1.0	--	--	37400	8.1	21.5	7.9
20...	1040	--	1.5	--	--	37500	8.1	21.5	7.9
20...	1041	--	2.0	--	--	37600	8.1	21.5	7.9
20...	1042	--	2.3	--	--	37600	8.1	21.5	7.9
DEC									
18...	0936	--	0.30	2.36	--	36000	7.8	19.5	6.4
18...	0937	--	0.50	--	--	36000	7.8	19.5	6.4
18...	0938	--	1.0	--	--	36000	7.8	19.5	6.1
18...	0940	--	1.5	--	--	36200	7.8	19.5	6.3
18...	0941	--	2.0	--	--	36000	7.8	19.5	6.2
18...	0942	--	2.2	--	--	36100	7.8	19.5	6.2
JAN									
22...	1159	--	0.30	1.85	--	32000	7.9	16.0	9.2
22...	1200	--	0.50	--	--	31900	7.9	16.0	9.3
22...	1202	--	1.0	--	--	32000	7.9	16.0	9.2
22...	1203	--	1.5	--	--	33600	7.9	16.0	8.8
22...	1204	--	1.7	--	--	34200	7.9	15.5	8.4
FEB									
19...	1017	--	0.30	1.85	--	29700	7.8	20.5	7.9
19...	1018	--	0.50	--	--	29600	7.8	20.5	7.9
19...	1019	--	1.0	--	--	30200	7.8	20.5	7.8
19...	1020	--	1.5	--	--	36400	7.8	20.0	6.9
MAR									
18...	1209	--	0.20	2.15	--	38800	8.0	24.0	7.0
18...	1210	--	0.50	--	--	38900	8.0	24.0	7.0
18...	1211	--	1.0	--	--	39800	8.0	24.0	6.8
18...	1212	--	1.5	--	--	40600	7.9	23.5	6.5
18...	1213	--	2.0	--	--	40500	7.9	23.5	6.4
APR									
30...	0947	--	0.30	2.35	--	22800	7.8	25.0	6.7
30...	0948	--	0.50	--	--	30000	7.8	25.0	6.9
30...	0950	--	1.0	--	--	38200	7.8	25.0	6.1
30...	0951	--	1.5	--	--	38200	7.8	25.0	6.0
30...	0952	--	2.0	--	--	38200	7.8	25.0	6.0
MAY									
28...	1110	--	0.30	2.25	--	26400	7.8	30.5	5.9
28...	1111	--	0.50	--	--	26600	7.9	30.5	5.9
28...	1112	--	1.0	--	--	30300	7.8	29.0	5.4
28...	1113	--	1.5	--	--	33500	7.8	29.5	5.0
28...	1114	--	2.0	--	--	34300	7.8	29.5	4.5
JUN									
25...	0804	--	0.30	2.25	--	28800	7.9	28.5	6.2
25...	0805	--	0.50	--	--	29600	7.9	28.5	6.3
25...	0806	--	1.0	--	--	31800	7.9	28.5	6.0
25...	0807	--	1.5	--	--	35500	7.8	29.0	5.0
25...	0808	--	2.0	--	--	36100	7.8	29.0	4.7
JUL									
29...	0835	--	0.30	2.35	--	3220	7.3	30.0	4.4
29...	0836	--	0.50	--	--	3260	7.2	29.5	4.3
29...	0837	--	1.0	--	--	8670	7.1	30.0	4.0
29...	0838	--	1.5	--	--	23000	7.0	30.5	1.1
29...	0839	--	2.0	--	--	25400	7.1	30.5	0.6
AUG									
27...	0903	--	0.30	2.45	--	14400	7.2	29.0	4.3
27...	0904	--	0.50	--	--	19000	7.3	29.0	4.0
27...	0905	--	1.0	--	--	26000	7.2	30.0	0.7
27...	0906	--	1.5	--	--	26100	7.2	30.0	0.5
27...	0907	--	2.0	--	--	26200	7.2	30.0	0.5
27...	0908	--	2.3	--	--	26200	7.2	30.0	0.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- PLING DEPTH (M) (00098)	SURFACE AT SAMP LOC. METERS (82903)	DEPTH TO BOT. FROM SURFACE CON- DUCT- ANCE (US/CM) (00095)	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)
265724082024400 - PEACE R. AT RIVER MILE 4.88 NR PUNTA GORDA, FL								
SEP								
26...	0822	0.30	2.55	30900	7.4	29.0	5.0	
26...	0823	0.50	--	31000	7.5	29.0	5.0	
26...	0825	1.0	--	31000	7.5	29.0	5.0	
26...	0826	1.5	--	31100	7.5	29.0	5.0	
26...	0827	2.0	--	31000	7.5	29.0	5.0	
26...	0828	2.4	--	31100	7.5	29.0	5.0	

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
265727082012800 - PEACE R. AT RIVER MILE 6.25 NR PUNTA GORDA, FL									
OCT									
22...	0954	1.10	--	--	12	19000	7.3	24.5	6.7
22...	0955	3.00	--	--	--	22000	7.2	24.5	4.1
22...	0956	4.90	--	--	--	22600	7.2	24.5	3.9
22...	0957	9.00	--	--	--	25300	7.2	24.5	4.0
22...	1000	11.7	--	--	--	25700	7.2	24.5	4.0
NOV									
20...	1050	--	0.30	3.75	--	33300	8.1	22.5	8.3
20...	1051	--	1.0	--	--	34800	8.1	21.5	8.2
20...	1052	--	1.5	--	--	35100	8.1	21.5	8.1
20...	1053	--	2.0	--	--	35200	8.1	21.5	8.0
20...	1054	--	2.5	--	--	35300	8.1	21.5	7.9
20...	1055	--	3.0	--	--	35500	8.1	21.5	7.9
20...	1056	--	3.5	--	--	--	8.1	21.5	7.9
DEC									
18...	0949	--	0.30	3.65	--	32000	7.8	19.5	6.5
18...	0950	--	0.50	--	--	32000	7.8	19.5	6.4
18...	0951	--	1.0	--	--	32000	7.8	19.5	6.3
18...	0952	--	1.5	--	--	32300	7.8	19.0	6.3
18...	0953	--	2.0	--	--	35800	7.8	19.0	6.1
18...	0954	--	2.5	--	--	35900	7.8	19.0	6.1
18...	0955	--	3.0	--	--	36000	7.8	19.0	6.1
18...	0956	--	3.5	--	--	36000	7.8	19.0	6.0
JAN									
22...	1208	--	0.30	2.95	--	29800	8.0	16.5	10
22...	1209	--	0.50	--	--	31200	8.0	16.5	10.0
22...	1210	--	1.0	--	--	29400	8.0	16.5	10.0
22...	1211	--	1.5	--	--	26300	7.9	16.0	9.8
22...	1212	--	2.0	--	--	27000	7.9	16.0	9.5
22...	1213	--	2.5	--	--	27300	7.9	15.5	9.3
22...	1214	--	2.8	--	--	27500	7.9	15.5	9.3
FEB									
19...	1025	--	0.30	3.15	--	21700	7.7	20.5	7.9
19...	1026	--	0.50	--	--	22100	7.7	20.5	8.0
19...	1027	--	1.0	--	--	22200	7.7	20.5	8.0
19...	1028	--	1.5	--	--	22400	7.7	20.5	8.1
19...	1029	--	2.0	--	--	25200	7.8	20.5	7.8
19...	1030	--	2.5	--	--	30400	7.7	20.0	7.3
19...	1031	--	3.0	--	--	33500	7.8	20.0	7.1
MAR									
18...	1219	--	0.30	3.15	--	32000	8.0	24.5	7.5
18...	1220	--	0.50	--	--	32200	8.0	24.5	7.6
18...	1221	--	1.0	--	--	32900	8.0	24.0	7.3
18...	1222	--	1.5	--	--	34900	7.9	24.0	6.9
18...	1223	--	2.0	--	--	35600	7.9	23.5	6.4
18...	1224	--	2.5	--	--	35600	7.9	23.5	6.4
18...	1225	--	3.0	--	--	35600	7.9	23.5	6.3
APR									
30...	0958	--	0.30	3.35	--	14100	7.6	25.5	6.3
30...	0959	--	0.50	--	--	20900	7.7	25.5	6.2
30...	1000	--	1.0	--	--	22000	7.6	25.0	6.0
30...	1001	--	1.5	--	--	25600	7.7	25.5	5.7
30...	1002	--	2.0	--	--	26400	7.7	25.0	5.6
30...	1003	--	2.5	--	--	28800	7.7	25.0	5.4
30...	1004	--	3.0	--	--	30300	7.7	25.5	5.4
MAY									
28...	1121	--	0.30	3.25	--	19000	7.8	30.5	6.4
28...	1122	--	0.50	--	--	21000	7.8	30.0	6.5
28...	1123	--	1.0	--	--	24000	7.8	29.5	5.9
28...	1124	--	1.5	--	--	25800	7.7	29.5	5.1
28...	1125	--	2.0	--	--	27600	7.7	29.5	4.4
28...	1126	--	2.5	--	--	28400	7.7	29.5	4.5
28...	1127	--	3.0	--	--	28500	7.7	29.5	4.5

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
265727082012800 - PEACE R. AT RIVER MILE 6.25 NR PUNTA GORDA, FL							
JUN							
25...	0813	0.30	3.05	20800	7.8	28.0	6.3
25...	0814	0.50	--	23200	7.7	28.5	5.1
25...	0815	1.0	--	27500	7.7	29.0	4.7
25...	0816	1.5	--	28800	7.7	29.0	4.4
25...	0817	2.0	--	30000	7.7	29.0	4.1
25...	0818	2.5	--	30900	7.7	29.0	4.1
25...	0819	2.9	--	32300	7.7	29.0	4.1
JUL							
29...	0844	0.30	3.45	1750	7.0	30.0	3.8
29...	0845	0.50	--	1840	7.0	29.5	3.7
29...	0846	1.0	--	2190	7.0	29.5	3.6
29...	0847	1.5	--	10800	6.8	30.5	2.2
29...	0848	2.0	--	12500	6.9	30.5	1.9
29...	0849	2.5	--	14500	6.9	31.0	2.1
29...	0850	3.0	--	19400	7.0	31.0	1.4
29...	0851	3.3	--	19700	7.0	31.0	1.3
AUG							
27...	0912	0.30	3.65	10500	7.2	29.0	4.3
27...	0913	0.50	--	10500	7.2	29.0	4.2
27...	0914	1.0	--	11800	7.1	29.0	3.3
27...	0915	1.5	--	18100	7.1	30.0	1.5
27...	0916	2.0	--	20300	7.1	30.0	0.8
27...	0917	2.5	--	23100	7.1	30.5	0.1
27...	0918	3.0	--	24200	7.1	31.0	0.0
27...	0920	3.5	--	24400	7.1	31.0	0.0
SEP							
26...	0846	0.30	3.95	24800	7.2	29.0	4.2
26...	0847	0.50	--	24900	7.2	29.0	4.2
26...	0848	1.0	--	25100	7.2	29.0	4.1
26...	0849	1.5	--	25600	7.2	29.0	4.0
26...	0850	2.0	--	26500	7.2	29.0	3.8
26...	0851	2.5	--	27300	7.2	29.0	3.6
26...	0852	3.0	--	28200	7.2	29.5	3.5
26...	0853	3.5	--	29200	7.2	29.5	3.5
26...	0854	3.8	--	29400	7.2	29.5	3.5

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265741081595500 - PEACE R. AT RIVER MILE 8.61 NR PUNTA GORDA, FL									
OCT									
22...	1003	1.10	--	--	14	12300	7.2	24.0	5.4
22...	1004	4.00	--	--	--	12900	7.2	24.0	5.1
22...	1005	8.70	--	--	--	15500	7.1	24.0	4.5
22...	1006	9.70	--	--	--	16600	7.1	24.0	4.8
22...	1007	13.3	--	--	--	15900	7.1	24.0	4.5
NOV									
20...	1103	--	0.30	3.95	--	27100	7.9	22.0	7.8
20...	1104	--	1.0	--	--	28000	7.9	21.5	7.5
20...	1105	--	1.5	--	--	28600	8.0	21.5	7.4
20...	1106	--	2.0	--	--	28800	8.0	21.5	7.4
20...	1107	--	2.5	--	--	28800	8.0	21.5	7.4
20...	1108	--	3.0	--	--	28900	8.0	21.5	7.4
20...	1109	--	3.5	--	--	--	8.0	21.5	7.4
20...	1110	--	3.8	--	--	--	8.0	21.5	7.4
DEC									
18...	1007	--	0.30	4.15	--	28100	7.7	19.5	6.6
18...	1008	--	0.50	--	--	28300	7.7	19.5	6.5
18...	1009	--	1.0	--	--	28500	7.7	19.5	6.6
18...	1010	--	1.5	--	--	28700	7.7	19.5	6.7
18...	1011	--	2.0	--	--	28800	7.8	19.5	6.7
18...	1012	--	2.5	--	--	29100	7.8	19.5	6.7
18...	1013	--	3.0	--	--	29700	7.8	19.5	6.6
18...	1015	--	3.5	--	--	29800	7.8	19.5	6.6
18...	1016	--	4.0	--	--	29700	7.8	19.5	6.6
JAN									
22...	1234	--	0.30	2.95	--	21000	7.9	17.0	9.7
22...	1235	--	0.50	--	--	21800	7.9	16.5	9.7
22...	1236	--	1.0	--	--	20600	7.9	16.0	9.7
22...	1237	--	1.5	--	--	20800	7.9	16.0	9.6
22...	1238	--	2.0	--	--	21500	7.9	16.0	9.6
22...	1239	--	2.5	--	--	22500	7.9	16.0	9.6
22...	1241	--	2.8	--	--	22700	7.9	16.0	9.6
FEB									
19...	1037	--	0.30	3.45	--	16700	7.6	20.5	7.7
19...	1038	--	0.50	--	--	16700	7.6	20.5	7.7
19...	1039	--	1.0	--	--	16700	7.6	20.5	7.7
19...	1040	--	1.5	--	--	17000	7.6	20.5	7.6
19...	1041	--	2.0	--	--	22000	7.7	20.5	7.4
19...	1042	--	2.5	--	--	25800	7.7	20.0	7.2
19...	1043	--	3.0	--	--	26200	7.7	20.0	7.1
19...	1044	--	3.3	--	--	26300	7.7	20.0	7.1
MAR									
18...	1234	--	0.30	3.55	--	27400	7.8	24.5	7.0
18...	1235	--	0.50	--	--	28700	7.8	24.5	7.1
18...	1236	--	1.0	--	--	29400	7.9	24.5	7.4
18...	1237	--	1.5	--	--	29600	7.9	24.5	7.5
18...	1238	--	2.0	--	--	32600	7.9	24.0	6.8
18...	1239	--	2.5	--	--	33200	7.9	24.0	6.7
18...	1240	--	3.0	--	--	33200	7.9	24.0	6.6
18...	1241	--	3.4	--	--	33200	7.9	24.0	6.6
APR									
30...	1012	--	0.30	3.85	--	12500	7.5	25.0	5.7
30...	1013	--	0.50	--	--	12900	7.5	25.0	5.8
30...	1014	--	1.0	--	--	13700	7.5	24.5	5.5
30...	1015	--	1.5	--	--	13900	7.5	24.5	5.4
30...	1016	--	2.0	--	--	14300	7.5	25.0	5.4
30...	1017	--	2.5	--	--	14600	7.5	25.0	5.5
30...	1018	--	3.0	--	--	14800	7.5	25.0	5.4
30...	1019	--	3.5	--	--	14800	7.5	25.0	5.4
MAY									
28...	1133	--	0.30	2.65	--	8620	7.6	30.0	6.2
28...	1134	--	0.50	--	--	9120	7.6	30.0	6.3
28...	1135	--	1.0	--	--	11000	7.6	29.0	5.7
28...	1136	--	1.5	--	--	13700	7.5	29.0	4.7
28...	1137	--	2.0	--	--	15400	7.5	29.0	4.5
28...	1138	--	2.5	--	--	17100	7.5	29.0	4.3

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARDS) UNITS (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
265741081595500 - PEACE R. AT RIVER MILE 8.61 NR PUNTA GORDA, FL							
JUN							
25...	0824	0.30	3.35	13300	7.5	28.0	5.0
25...	0825	0.50	--	13500	7.5	28.0	5.0
25...	0826	1.0	--	15100	7.5	28.0	5.2
25...	0827	1.5	--	15200	7.5	28.5	5.1
25...	0828	2.0	--	15800	7.5	28.5	5.0
25...	0829	2.5	--	16300	7.5	28.5	5.0
25...	0830	3.0	--	16400	7.5	28.5	5.0
JUL							
29...	0900	0.30	3.35	415	6.7	29.5	4.2
29...	0902	0.50	--	409	6.8	29.5	4.1
29...	0903	1.0	--	405	6.9	29.5	4.0
29...	0904	1.5	--	400	6.9	29.5	4.0
29...	0905	2.0	--	406	6.9	29.5	4.0
29...	0906	2.5	--	1060	6.9	29.5	3.7
29...	0907	3.0	--	3660	6.8	29.5	1.5
29...	0908	3.2	--	12200	6.6	30.5	1.2
AUG							
27...	0929	0.30	3.75	6420	7.2	29.0	4.4
27...	0930	0.50	--	7060	7.2	29.0	4.4
27...	0931	1.0	--	7640	7.2	29.0	4.5
27...	0932	1.5	--	8570	7.1	29.0	3.0
27...	0933	2.0	--	14300	7.1	29.5	2.3
27...	0934	2.5	--	17300	7.0	30.0	1.4
27...	0935	3.0	--	18900	7.0	30.5	0.8
27...	0936	3.5	--	20100	7.0	30.5	0.4
SEP							
26...	0858	0.30	3.65	19300	7.2	29.0	4.4
26...	0859	0.50	--	19400	7.2	29.0	4.3
26...	0900	1.0	--	19500	7.2	29.0	4.3
26...	0901	1.5	--	19700	7.2	29.0	4.4
26...	0902	2.0	--	20800	7.2	29.0	4.1
26...	0903	2.5	--	20600	7.2	29.0	3.8
26...	0904	3.0	--	21500	7.2	29.0	3.8
26...	0905	3.5	--	21500	7.2	29.0	3.7

MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
265819082003200 - PEACE R. AT RIVER MILE 8.6B NR PUNTA GORDA, FL									
OCT									
22...	1012	1.00	--	--	9.7	12000	7.2	24.5	5.4
22...	1013	5.10	--	--	--	13000	7.1	24.0	4.5
22...	1014	9.10	--	--	--	13200	7.1	24.0	4.7
NOV									
20...	1116	--	0.30	3.05	--	28100	7.9	22.0	7.7
20...	1117	--	1.0	--	--	28300	7.9	21.5	7.5
20...	1118	--	1.5	--	--	28400	7.9	21.5	7.4
20...	1119	--	2.0	--	--	28800	8.0	21.5	7.5
20...	1120	--	2.5	--	--	29000	8.0	22.0	7.5
20...	1121	--	3.0	--	--	30600	8.0	22.0	7.5
DEC									
18...	1022	--	0.30	2.70	--	26800	7.7	19.5	6.5
18...	1023	--	0.50	--	--	26800	7.7	19.5	6.5
18...	1024	--	1.0	--	--	27000	7.7	19.5	6.4
18...	1025	--	1.5	--	--	27100	7.7	19.5	6.4
18...	1026	--	2.0	--	--	27600	7.7	19.5	6.1
18...	1027	--	2.6	--	--	28600	7.7	19.5	6.0
JAN									
22...	1250	--	0.30	2.05	--	26700	8.0	17.0	9.9
22...	1251	--	0.50	--	--	28500	8.0	17.0	10
22...	1252	--	1.0	--	--	28800	8.0	17.0	10
22...	1253	--	1.5	--	--	30600	8.0	17.0	10
22...	1254	--	1.9	--	--	31100	8.0	17.0	10
FEB									
19...	1047	--	0.30	2.55	--	18300	7.7	20.5	8.1
19...	1048	--	0.50	--	--	18300	7.7	20.5	8.0
19...	1049	--	1.0	--	--	18900	7.7	20.5	8.0
19...	1050	--	1.5	--	--	19100	7.7	20.5	7.9
19...	1051	--	2.0	--	--	19500	7.7	20.5	7.9
19...	1052	--	2.4	--	--	20200	7.7	20.5	7.7
MAR									
18...	1246	--	0.30	2.75	--	25500	7.9	25.0	7.8
18...	1247	--	0.50	--	--	26100	7.9	25.0	7.7
18...	1248	--	1.0	--	--	29000	7.9	24.5	7.6
18...	1249	--	1.5	--	--	30300	7.9	24.5	7.4
18...	1250	--	2.0	--	--	30900	7.9	24.0	7.3
18...	1251	--	2.5	--	--	32300	7.8	23.5	6.6
APR									
30...	1024	--	0.30	2.95	--	12000	7.5	26.0	5.8
30...	1025	--	0.50	--	--	12500	7.5	26.0	5.8
30...	1026	--	1.0	--	--	13600	7.5	25.5	5.6
30...	1027	--	1.5	--	--	14200	7.5	25.0	5.7
30...	1028	--	2.0	--	--	14700	7.5	25.0	5.8
30...	1029	--	2.5	--	--	15100	7.5	25.0	5.6
30...	1030	--	2.8	--	--	15800	7.5	24.5	5.4
MAY									
28...	1147	--	0.30	2.45	--	9990	8.0	30.0	8.2
28...	1148	--	0.50	--	--	10200	8.0	30.0	8.0
28...	1149	--	1.0	--	--	14200	7.5	29.0	4.9
28...	1150	--	1.5	--	--	14300	7.5	29.0	4.9
28...	1151	--	2.0	--	--	16200	7.5	28.5	4.3
28...	1152	--	2.3	--	--	19700	7.4	29.0	3.4
JUN									
25...	0834	--	0.30	2.75	--	14400	7.6	28.5	5.8
25...	0835	--	0.50	--	--	14700	7.6	28.5	5.8
25...	0837	--	1.0	--	--	17900	7.6	28.5	5.2
25...	0838	--	1.5	--	--	19200	7.6	28.5	5.3
25...	0839	--	2.0	--	--	21700	7.6	28.5	5.0
25...	0840	--	2.5	--	--	21900	7.6	28.5	4.8
JUL									
29...	0910	--	0.30	3.35	--	363	7.1	29.5	3.7
29...	0911	--	0.50	--	--	351	7.0	29.5	3.6
29...	0912	--	1.0	--	--	317	6.9	29.5	3.4
29...	0913	--	1.5	--	--	320	6.9	29.5	3.5
29...	0914	--	2.0	--	--	409	6.9	29.5	3.6
29...	0915	--	2.5	--	--	500	6.9	29.5	3.8
29...	0916	--	3.0	--	--	627	6.9	29.5	3.6
29...	0917	--	3.2	--	--	3140	6.7	29.5	2.7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
265819082003200 - PEACE R. AT RIVER MILE 8.6B NR PUNTA GORDA, FL							
AUG							
27...	0940	0.30	2.75	10200	7.1	29.5	3.5
27...	0941	0.50	--	10500	7.1	29.5	3.4
27...	0942	1.0	--	12500	7.1	29.5	3.2
27...	0943	1.5	--	13300	7.1	29.5	3.2
27...	0944	2.0	--	14200	7.1	29.5	3.2
27...	0945	2.5	--	17400	7.1	29.5	2.4
SEP							
26...	0913	0.30	2.95	19800	7.3	29.0	4.7
26...	0914	0.50	--	19600	7.3	29.0	4.8
26...	0915	1.0	--	19600	7.3	29.0	4.7
26...	0916	1.5	--	20100	7.3	29.0	4.5
26...	0917	2.0	--	20300	7.2	29.0	4.4
26...	0918	2.5	--	20400	7.2	29.0	4.3
26...	0919	2.8	--	20500	7.2	29.0	4.3

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270022081591000 - PEACE RIVER SITE PR40 NEAR MARY POINT									
OCT									
22...	1122	1.00	--	--	17	2530	7.5	25.0	5.5
22...	1123	5.20	--	--	--	2810	7.2	24.0	4.7
22...	1124	10.3	--	--	--	3010	7.2	24.0	4.6
22...	1125	15.8	--	--	--	3530	7.2	24.0	4.4
NOV									
20...	1320	--	0.30	4.65	--	19700	7.8	23.0	7.4
20...	1321	--	1.0	--	--	20400	7.8	22.5	7.3
20...	1322	--	1.5	--	--	20400	7.8	22.5	7.1
20...	1323	--	2.0	--	--	20600	7.7	21.5	7.0
20...	1324	--	2.5	--	--	20800	7.7	21.5	6.9
20...	1325	--	3.0	--	--	21100	7.7	21.5	6.9
20...	1326	--	3.5	--	--	--	7.7	21.5	--
20...	1327	--	4.0	--	--	--	7.7	21.5	--
20...	1328	--	4.5	--	--	--	7.7	21.5	--
DEC									
18...	1104	--	0.30	5.55	--	16200	7.7	20.5	7.9
18...	1105	--	0.50	--	--	16300	7.7	20.5	7.8
18...	1106	--	1.0	--	--	16400	7.7	20.5	7.6
18...	1107	--	1.5	--	--	17400	7.7	20.0	7.6
18...	1108	--	2.0	--	--	18000	7.7	20.0	7.4
18...	1109	--	2.5	--	--	19000	7.7	20.0	7.2
18...	1110	--	3.0	--	--	19400	7.7	20.0	6.7
18...	1111	--	3.5	--	--	19900	7.7	20.0	6.6
18...	1112	--	4.0	--	--	19900	7.7	20.0	6.4
18...	1113	--	4.5	--	--	20100	7.7	20.0	6.4
18...	1114	--	5.0	--	--	20600	7.6	20.0	6.5
18...	1115	--	5.4	--	--	20600	7.6	20.0	6.5
JAN									
22...	1327	--	0.30	4.15	--	13500	7.7	16.5	9.3
22...	1328	--	0.50	--	--	13500	7.7	16.5	9.4
22...	1329	--	1.0	--	--	13600	7.7	16.5	9.4
22...	1330	--	1.5	--	--	13600	7.7	16.5	9.4
22...	1331	--	2.0	--	--	13800	7.7	16.5	9.3
22...	1332	--	2.5	--	--	14200	7.7	16.0	9.3
22...	1333	--	3.0	--	--	15000	7.7	15.5	9.2
22...	1334	--	3.5	--	--	15100	7.7	15.5	9.1
22...	1335	--	4.0	--	--	15400	7.7	15.5	9.1
FEB									
19...	1116	--	0.30	3.95	--	8980	7.6	21.0	7.8
19...	1117	--	0.50	--	--	9040	7.6	21.0	7.8
19...	1118	--	1.0	--	--	9120	7.6	21.0	7.8
19...	1119	--	1.5	--	--	9390	7.6	21.0	7.8
19...	1120	--	2.0	--	--	10000	7.5	20.5	7.7
19...	1121	--	2.5	--	--	10400	7.5	20.5	7.6
19...	1122	--	3.0	--	--	11800	7.5	20.5	7.5
19...	1123	--	3.5	--	--	13800	7.5	20.5	7.3
19...	1124	--	3.8	--	--	15400	7.5	20.5	7.2
MAR									
18...	1340	--	0.30	3.15	--	15400	7.7	25.0	7.4
18...	1341	--	0.50	--	--	15600	7.7	25.0	7.4
18...	1342	--	1.0	--	--	16400	7.7	25.0	7.4
18...	1343	--	1.5	--	--	17400	7.7	25.0	7.1
18...	1344	--	2.0	--	--	17600	7.6	24.5	6.6
18...	1345	--	2.5	--	--	18800	7.5	24.0	6.0
18...	1346	--	3.0	--	--	19400	7.5	24.0	5.7
APR									
30...	1108	--	0.30	4.15	--	2070	7.1	26.5	5.3
30...	1109	--	0.50	--	--	2090	7.1	26.5	5.0
30...	1110	--	1.0	--	--	2190	7.1	26.0	4.7
30...	1111	--	1.5	--	--	2810	7.1	25.0	4.1
30...	1112	--	2.0	--	--	3130	7.1	25.0	4.1
30...	1113	--	2.5	--	--	3540	7.1	25.0	4.1
30...	1114	--	3.0	--	--	4050	7.1	25.0	4.0
30...	1115	--	3.5	--	--	4200	7.1	25.0	4.1
30...	1116	--	4.0	--	--	4380	7.1	25.0	4.0

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270022081591000 - PEACE RIVER SITE PR40 NEAR MARY POINT							
MAY							
28...	1230	0.30	5.35	2960	7.3	30.0	4.2
28...	1231	0.50	--	2960	7.3	30.0	4.2
28...	1232	1.0	--	2970	7.2	30.0	4.2
28...	1233	1.5	--	2970	7.2	30.0	4.2
28...	1234	2.0	--	2990	7.2	30.0	4.1
28...	1235	2.5	--	2970	7.2	30.0	4.1
28...	1236	3.0	--	2980	7.2	29.5	4.1
28...	1237	3.5	--	3040	7.2	29.5	4.0
28...	1238	4.0	--	3170	7.2	29.5	3.9
28...	1239	4.5	--	3270	7.2	29.5	3.9
28...	1240	5.0	--	3320	7.2	29.5	3.8
JUN							
25...	0911	0.30	4.85	5700	7.3	29.5	4.6
25...	0912	0.50	--	5810	7.3	29.0	4.1
25...	0913	1.0	--	5860	7.2	29.0	4.0
25...	0914	1.5	--	6300	7.2	29.0	3.7
25...	0915	2.0	--	6540	7.2	29.0	3.7
25...	0916	2.5	--	6750	7.2	29.0	3.7
25...	0917	3.0	--	6990	7.2	29.0	3.7
25...	0918	3.5	--	7000	7.2	29.0	3.6
25...	0919	4.0	--	7080	7.2	29.0	3.6
25...	0920	4.5	--	7210	7.2	29.0	3.6
JUL							
29...	0940	0.30	4.35	299	6.9	29.5	3.6
29...	0941	0.50	--	299	6.9	29.5	3.6
29...	0942	1.0	--	292	6.9	29.5	3.5
29...	0943	1.5	--	286	6.9	29.5	3.5
29...	0944	2.0	--	296	6.9	29.5	3.5
29...	0945	2.5	--	292	6.9	29.5	3.5
29...	0946	3.0	--	294	6.9	29.5	3.5
29...	0947	3.5	--	289	6.9	29.5	3.5
29...	0948	4.0	--	291	6.9	29.5	3.4
AUG							
27...	1043	0.30	4.25	392	7.0	30.0	4.8
27...	1044	0.50	--	392	7.0	30.0	4.6
27...	1045	1.0	--	362	7.0	29.5	4.3
27...	1046	1.5	--	351	7.0	29.5	4.3
27...	1047	2.0	--	372	7.0	29.5	4.2
27...	1048	2.5	--	394	7.0	29.5	4.2
27...	1049	3.0	--	394	7.0	29.5	4.1
27...	1050	3.5	--	392	7.0	29.5	4.1
27...	1051	4.0	--	389	7.0	29.0	4.1
SEP							
26...	1010	0.30	4.85	11300	7.2	29.5	5.1
26...	1011	0.50	--	11300	7.2	29.5	5.0
26...	1012	1.0	--	11400	7.2	29.5	5.0
26...	1013	1.5	--	11300	7.2	29.5	5.0
26...	1014	2.0	--	11400	7.2	29.5	5.1
26...	1015	2.5	--	11400	7.2	29.5	5.0
26...	1016	3.0	--	11400	7.2	29.5	5.1
26...	1017	3.5	--	11500	7.3	29.5	5.1
26...	1018	4.0	--	11700	7.3	29.5	5.1
26...	1019	4.7	--	11800	7.3	29.5	5.2

MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270124081592500 - PEACE R. AT RIVER MILE 12.55 NR HARBOUR HTS., FL									
OCT									
22...	1131	1.00	--	--	23	573	7.5	24.0	5.4
22...	1132	5.30	--	--	--	682	7.2	24.0	5.0
22...	1133	10.0	--	--	--	718	7.2	24.0	4.9
22...	1134	19.9	--	--	--	788	7.3	24.0	4.9
NOV									
20...	1330	--	0.20	2.25	--	16800	7.8	23.5	7.6
20...	1331	--	1.0	--	--	17900	7.8	22.0	7.2
20...	1332	--	1.5	--	--	18300	7.7	21.5	6.9
20...	1333	--	2.0	--	--	18600	7.7	21.5	6.8
DEC									
18...	1116	--	0.30	2.35	--	11500	7.7	20.5	7.5
18...	1117	--	0.50	--	--	12000	7.7	20.5	7.6
18...	1118	--	1.0	--	--	14900	7.6	20.0	7.3
18...	1119	--	1.5	--	--	16400	7.6	20.5	7.0
18...	1120	--	2.0	--	--	16800	7.6	20.5	6.9
18...	1121	--	2.2	--	--	16900	7.6	20.5	6.9
JAN									
22...	1338	--	0.30	2.05	--	9840	7.7	16.5	9.5
22...	1339	--	0.50	--	--	9870	7.7	16.5	9.5
22...	1340	--	1.0	--	--	10100	7.7	16.5	9.4
22...	1341	--	1.5	--	--	10500	7.7	16.0	9.1
22...	1342	--	1.9	--	--	10600	7.6	15.5	9.0
FEB									
19...	1126	--	0.30	2.55	--	6870	7.5	21.0	7.6
19...	1127	--	0.50	--	--	6870	7.5	21.0	7.6
19...	1128	--	1.0	--	--	6890	7.5	21.0	7.6
19...	1129	--	1.5	--	--	7100	7.5	20.5	7.4
19...	1130	--	2.0	--	--	8210	7.5	20.5	7.2
19...	1131	--	2.4	--	--	8680	7.5	20.5	7.2
MAR									
18...	1353	--	0.30	3.85	--	13900	7.6	25.5	6.9
18...	1354	--	0.50	--	--	14000	7.6	25.5	6.9
18...	1355	--	1.0	--	--	15300	7.6	25.0	6.7
18...	1356	--	1.5	--	--	16100	7.5	24.5	6.2
18...	1357	--	2.0	--	--	18200	7.4	24.0	5.6
18...	1358	--	2.5	--	--	18800	7.4	24.0	5.4
18...	1359	--	3.0	--	--	18900	7.4	24.0	5.3
18...	1400	--	3.5	--	--	18900	7.4	24.0	5.2
APR									
30...	1129	--	0.30	4.25	--	1050	7.1	25.5	4.2
30...	1130	--	0.50	--	--	1050	7.1	25.0	4.1
30...	1131	--	1.0	--	--	1040	7.1	25.0	4.1
30...	1132	--	1.5	--	--	1020	7.1	24.5	4.0
30...	1134	--	2.0	--	--	1030	7.1	24.5	4.0
30...	1135	--	2.5	--	--	1030	7.1	24.5	4.0
30...	1136	--	3.0	--	--	1020	7.1	24.5	4.0
30...	1137	--	3.5	--	--	1010	7.1	24.5	4.0
30...	1138	--	4.0	--	--	1000	7.1	24.5	3.9
MAY									
28...	1250	--	0.30	2.15	--	1250	7.1	30.0	4.6
28...	1251	--	0.50	--	--	1240	7.2	30.0	4.6
28...	1252	--	1.0	--	--	1250	7.2	30.0	4.5
28...	1253	--	1.5	--	--	1250	7.2	30.0	4.5
28...	1254	--	2.0	--	--	1250	7.2	30.0	4.5
JUN									
25...	1031	--	0.30	1.75	--	2880	7.2	29.5	4.0
25...	1032	--	0.50	--	--	2860	7.2	29.5	4.0
25...	1033	--	1.0	--	--	2890	7.2	29.5	3.9
25...	1034	--	1.5	--	--	2910	7.2	29.5	3.9
JUL									
29...	0949	--	0.30	4.15	--	286	7.0	29.5	3.7
29...	0950	--	0.50	--	--	282	6.9	29.5	3.6
29...	0951	--	1.0	--	--	282	6.9	29.5	3.5
29...	0952	--	1.5	--	--	278	6.9	29.0	3.5
29...	0953	--	2.0	--	--	279	6.9	29.0	3.4
29...	0954	--	2.5	--	--	277	6.9	29.0	3.4
29...	0955	--	3.0	--	--	280	6.9	29.0	3.4
29...	0956	--	3.5	--	--	275	6.9	29.0	3.4
29...	0957	--	4.0	--	--	276	6.9	29.0	3.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270124081592500 - PEACE R. AT RIVER MILE 12.55 NR HARBOUR HTS., FL							
AUG							
27...	1054	0.30	2.45	270	7.0	29.5	4.1
27...	1055	0.50	--	268	7.0	29.5	4.1
27...	1056	1.0	--	274	7.0	29.5	4.1
27...	1057	1.5	--	273	7.0	29.0	4.0
27...	1058	2.0	--	275	7.0	29.0	4.0
SEP							
26...	1020	0.30	3.05	8510	7.2	29.5	4.7
26...	1021	0.50	--	8520	7.2	29.5	4.7
26...	1022	1.0	--	8530	7.2	29.5	4.7
26...	1023	1.5	--	8570	7.2	29.5	4.7
26...	1024	2.0	--	8670	7.2	29.5	4.6
26...	1025	2.5	--	8810	7.2	29.5	4.5
26...	1026	2.9	--	8900	7.2	29.5	4.5

MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH	STREAM DEPTH, MEAN (FT) (00064)	SPE-	PH	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
				TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)		CIFIC CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)		
270235081592400 - PEACE R. AT RIVER MILE 13.95 NR PT. CHARLOTTE,									
OCT									
22...	1140	0.80	--	--	9.2	337	7.6	24.0	5.4
22...	1141	3.50	--	--	--	332	7.3	23.5	4.9
22...	1142	8.90	--	--	--	326	7.3	23.5	4.9
NOV									
20...	1338	--	0.30	2.55	--	12400	7.7	23.0	7.6
20...	1339	--	1.0	--	--	12800	7.6	22.0	6.9
20...	1340	--	1.5	--	--	12900	7.6	22.0	6.8
20...	1341	--	2.0	--	--	12900	7.6	22.0	6.7
20...	1342	--	2.4	--	--	12900	7.6	22.0	6.7
DEC									
18...	1127	--	0.30	2.65	--	6610	7.7	20.0	6.6
18...	1128	--	0.50	--	--	6650	7.7	20.0	6.6
18...	1129	--	1.0	--	--	7670	7.6	20.0	6.5
18...	1130	--	1.5	--	--	9190	7.6	20.0	6.6
18...	1131	--	2.0	--	--	9500	7.6	20.0	6.6
18...	1132	--	2.5	--	--	9900	7.6	20.0	6.8
JAN									
22...	1347	--	0.30	2.15	--	5840	7.6	16.5	8.8
22...	1348	--	0.50	--	--	5900	7.6	16.5	8.8
22...	1349	--	1.0	--	--	5950	7.6	16.5	8.8
22...	1350	--	1.5	--	--	6050	7.6	16.5	8.8
22...	1351	--	2.0	--	--	6040	7.6	16.5	8.8
FEB									
19...	1150	--	0.30	2.75	--	3290	7.4	21.5	7.4
19...	1151	--	0.50	--	--	3270	7.4	21.5	7.4
19...	1152	--	1.0	--	--	3240	7.5	21.5	7.4
19...	1153	--	1.5	--	--	3280	7.5	21.5	7.3
19...	1154	--	2.0	--	--	3340	7.5	21.5	7.3
19...	1155	--	2.5	--	--	3380	7.5	21.5	7.3
MAR									
18...	1414	--	0.30	2.45	--	10200	7.5	25.5	6.5
18...	1415	--	0.50	--	--	10200	7.4	25.5	6.4
18...	1416	--	1.0	--	--	10200	7.4	25.5	6.3
18...	1417	--	1.5	--	--	10200	7.4	25.5	6.3
18...	1418	--	2.0	--	--	10400	7.4	25.0	5.9
18...	1419	--	2.3	--	--	10500	7.4	25.0	5.8
APR									
30...	1147	--	0.30	2.55	--	749	7.2	26.5	4.7
30...	1148	--	0.50	--	--	748	7.0	26.0	4.5
30...	1149	--	1.0	--	--	764	7.0	25.5	4.3
30...	1150	--	1.5	--	--	784	7.0	24.5	4.1
30...	1151	--	2.0	--	--	793	7.0	24.5	4.1
30...	1152	--	2.4	--	--	784	7.0	24.0	4.1
MAY									
28...	1302	--	0.30	4.05	--	718	7.2	29.5	4.6
28...	1303	--	0.50	--	--	714	7.2	30.0	4.7
28...	1304	--	1.0	--	--	727	7.2	29.5	4.5
28...	1305	--	1.5	--	--	731	7.2	29.5	4.4
28...	1306	--	2.0	--	--	735	7.2	29.5	4.4
28...	1307	--	2.5	--	--	736	7.2	29.5	4.4
28...	1308	--	3.0	--	--	733	7.2	29.5	4.4
28...	1309	--	3.5	--	--	734	7.2	29.5	4.3
28...	1310	--	3.9	--	--	733	7.2	29.5	4.3
JUN									
25...	1044	--	0.30	3.25	--	1220	6.8	29.0	4.2
25...	1045	--	0.50	--	--	1230	6.9	29.0	4.1
25...	1046	--	1.0	--	--	1230	7.0	29.0	4.0
25...	1047	--	1.5	--	--	1170	7.1	29.0	4.0
25...	1048	--	2.0	--	--	1190	7.1	29.0	4.0
25...	1049	--	2.5	--	--	1190	7.1	29.0	4.0
25...	1050	--	3.0	--	--	1210	7.1	29.0	4.0
JUL									
29...	0959	--	0.30	2.55	--	273	6.9	29.0	3.8
29...	1000	--	0.50	--	--	274	6.9	29.0	3.7
29...	1001	--	1.0	--	--	277	6.9	29.0	3.7
29...	1002	--	1.5	--	--	278	6.9	29.0	3.7
29...	1003	--	2.0	--	--	279	6.9	29.0	3.7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270235081592400 - PEACE R. AT RIVER MILE 13.95 NR PT. CHARLOTTE,							
AUG							
27...	1104	0.30	4.45	265	7.1	29.5	4.0
27...	1105	0.50	--	265	7.0	29.5	4.0
27...	1106	1.0	--	263	7.0	29.5	4.0
27...	1107	1.5	--	266	7.0	29.0	4.0
27...	1108	2.0	--	269	7.0	29.0	3.9
27...	1109	2.5	--	263	7.0	29.0	3.8
27...	1110	3.0	--	265	7.0	29.0	3.8
27...	1111	3.5	--	262	7.0	29.0	3.8
27...	1112	4.0	--	276	6.9	29.0	3.8
SEP							
26...	1052	0.30	2.75	4530	7.2	29.5	4.6
26...	1053	0.50	--	4610	7.2	29.5	4.6
26...	1054	1.0	--	4630	7.2	29.5	4.6
26...	1055	1.5	--	4640	7.2	29.5	4.6
26...	1056	2.0	--	4690	7.2	29.5	4.6
26...	1057	2.5	--	4650	7.2	29.5	4.6

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL							
OCT							
21...	1453	1.10	--	--	15	293	7.3
21...	1454	7.20	--	--	--	302	7.1
21...	1455	13.6	--	--	--	308	7.2
22...	1146	1.10	--	--	15	318	7.5
22...	1147	7.00	--	--	--	316	7.3
22...	1148	13.7	--	--	--	319	7.3
NOV							
19...	1528	--	0.30	4.55	--	3010	7.5
19...	1529	--	1.0	--	--	3080	7.4
19...	1530	--	1.5	--	--	3170	7.4
19...	1531	--	2.0	--	--	3200	7.4
19...	1532	--	2.5	--	--	3200	7.4
19...	1533	--	3.0	--	--	3200	7.4
19...	1534	--	3.5	--	--	--	7.4
19...	1535	--	4.0	--	--	--	7.4
19...	1536	--	4.4	--	--	--	7.4
20...	1346	--	0.30	4.35	--	8200	7.6
20...	1347	--	1.0	--	--	8700	7.6
20...	1348	--	1.5	--	--	9900	7.6
20...	1349	--	2.0	--	--	10000	7.5
20...	1350	--	2.5	--	--	10200	7.5
20...	1351	--	3.0	--	--	10400	7.5
20...	1352	--	3.5	--	--	--	7.5
20...	1353	--	4.0	--	--	--	7.5
DEC							
17...	1441	--	0.30	4.35	--	1060	7.9
17...	1442	--	0.50	--	--	1060	7.9
17...	1443	--	1.0	--	--	1070	7.8
17...	1444	--	1.5	--	--	1090	7.8
17...	1445	--	2.0	--	--	1110	7.8
17...	1446	--	2.5	--	--	1110	7.8
17...	1447	--	3.0	--	--	1120	7.8
17...	1448	--	3.5	--	--	1170	7.8
17...	1449	--	4.0	--	--	1170	7.8
17...	1450	--	4.2	--	--	1150	7.7
18...	1145	--	0.30	2.85	--	4580	7.8
18...	1146	--	0.50	--	--	4730	7.8
18...	1147	--	1.0	--	--	5800	7.7
18...	1148	--	1.5	--	--	6350	7.6
18...	1149	--	2.0	--	--	6450	7.6
18...	1150	--	2.5	--	--	6540	7.6
18...	1151	--	2.7	--	--	6850	7.6
JAN							
21...	1558	--	0.30	2.55	--	5040	7.6
21...	1559	--	0.50	--	--	5070	7.6
21...	1600	--	1.0	--	--	5470	7.6
21...	1601	--	1.5	--	--	5490	7.6
21...	1602	--	2.0	--	--	5530	7.6
21...	1603	--	2.4	--	--	5550	7.6
22...	1416	--	0.30	3.75	--	2880	7.7
22...	1417	--	0.50	--	--	2880	7.6
22...	1418	--	1.0	--	--	3090	7.6
22...	1419	--	1.5	--	--	3220	7.6
22...	1420	--	2.0	--	--	3220	7.6
22...	1421	--	2.5	--	--	3240	7.6
22...	1422	--	3.0	--	--	3380	7.5
22...	1423	--	3.5	--	--	3430	7.5

[illegible]

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL									
FEB									
18...	1531	0.30	2.55	2390	7.6	21.0	736	2.4	7.4
18...	1532	0.50	--	2420	7.6	21.0	--	--	7.4
18...	1534	1.0	--	2430	7.6	21.0	--	--	7.4
18...	1535	1.5	--	2420	7.6	21.0	--	--	7.4
18...	1536	2.0	--	2490	7.5	21.0	--	--	7.4
18...	1537	2.4	--	2490	7.5	21.0	--	--	7.4
19...	1202	0.30	3.95	1470	7.6	21.0	--	--	7.2
19...	1203	0.50	--	1490	7.6	21.0	--	--	7.2
19...	1204	1.0	--	1510	7.6	21.0	--	--	7.1
19...	1205	1.5	--	1630	7.6	21.0	--	--	7.0
19...	1206	2.0	--	1790	7.5	21.0	--	--	7.0
19...	1207	2.5	--	1780	7.5	21.0	--	--	7.0
19...	1208	3.0	--	1810	7.5	21.0	--	--	7.0
19...	1209	3.5	--	1820	7.5	21.0	--	--	6.9
19...	1210	3.8	--	1840	7.5	21.0	--	--	6.9
MAR									
17...	1518	0.30	3.25	3980	7.5	26.0	2300	1.7	7.2
17...	1519	0.50	--	4130	7.5	26.0	--	--	7.2
17...	1520	1.0	--	4560	7.4	26.0	--	--	7.2
17...	1521	1.5	--	5620	7.3	25.0	--	--	6.4
17...	1522	2.0	--	5780	7.3	25.0	--	--	5.9
17...	1523	2.5	--	6280	7.2	25.0	--	--	5.7
17...	1524	2.9	--	6350	7.2	25.0	--	--	5.6
18...	1427	0.30	3.95	5400	7.5	25.5	--	--	6.8
18...	1428	0.50	--	5540	7.5	25.5	--	--	6.9
18...	1429	1.0	--	6460	7.4	25.5	--	--	6.6
18...	1430	1.5	--	6680	7.4	25.5	--	--	6.5
18...	1431	2.0	--	7270	7.4	25.0	--	--	6.1
18...	1432	2.5	--	7370	7.4	25.0	--	--	6.0
18...	1433	3.0	--	7560	7.3	25.0	--	--	5.8
18...	1434	3.5	--	7650	7.3	25.0	--	--	5.7
18...	1435	3.8	--	7670	7.3	25.0	--	--	5.7
APR									
29...	1401	0.30	4.05	562	7.1	25.0	2980	2.3	4.7
29...	1402	0.50	--	559	7.1	25.0	--	--	4.6
29...	1403	1.0	--	558	7.1	25.0	--	--	4.5
29...	1404	1.5	--	556	7.1	25.0	--	--	4.4
29...	1405	2.0	--	559	7.1	25.0	--	--	4.4
29...	1406	2.5	--	559	7.1	25.0	--	--	4.4
29...	1407	3.0	--	557	7.1	25.0	--	--	4.4
29...	1408	3.5	--	555	7.1	25.0	--	--	4.4
29...	1409	3.9	--	555	7.1	25.0	--	--	4.4
30...	1202	0.30	4.15	577	7.1	27.0	--	--	5.0
30...	1203	0.50	--	579	7.0	26.5	--	--	4.9
30...	1204	1.0	--	578	7.0	25.0	--	--	4.6
30...	1205	1.5	--	574	7.0	24.5	--	--	4.6
30...	1206	2.0	--	573	7.0	24.0	--	--	4.6
30...	1207	2.5	--	571	7.0	24.0	--	--	4.6
30...	1208	3.0	--	569	7.0	24.0	--	--	4.6
30...	1209	3.5	--	568	7.0	24.0	--	--	4.6
30...	1210	4.0	--	567	7.0	24.0	--	--	4.6
MAY									
28...	1314	0.30	3.85	627	7.3	30.0	--	--	4.8
28...	1315	0.50	--	624	7.2	30.0	--	--	4.7
28...	1316	1.0	--	645	7.2	29.5	--	--	4.4
28...	1317	1.5	--	644	7.2	29.5	--	--	4.4
28...	1318	2.0	--	644	7.2	29.5	--	--	4.4
28...	1319	2.5	--	645	7.2	29.5	--	--	4.4
28...	1320	3.0	--	642	7.2	29.5	--	--	4.4
28...	1321	3.5	--	643	7.2	29.5	--	--	4.4
29...	1111	0.30	3.95	668	7.3	29.0	2830	2.3	5.1
29...	1112	0.50	--	669	7.3	29.0	--	--	5.1
29...	1113	1.0	--	669	7.3	29.0	--	--	5.1
29...	1114	1.5	--	669	7.3	28.5	--	--	4.9
29...	1115	2.0	--	665	7.3	28.5	--	--	4.8
29...	1116	2.5	--	685	7.3	28.5	--	--	4.8
29...	1117	3.0	--	688	7.3	28.5	--	--	4.7
29...	1118	3.5	--	685	7.3	28.5	--	--	4.7
29...	1119	3.8	--	686	7.3	28.5	--	--	4.7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL									
JUN									
24...	1411	0.30	3.75	1010	7.4	30.5	3380	1.5	4.6
24...	1412	0.50	--	1010	7.3	30.5	--	--	4.5
24...	1413	1.0	--	1030	7.2	30.0	--	--	4.5
24...	1414	1.5	--	1060	7.2	30.0	--	--	4.4
24...	1415	2.0	--	1090	7.2	30.0	--	--	4.5
24...	1416	2.5	--	1090	7.2	30.0	--	--	4.4
24...	1417	3.0	--	1090	7.2	30.0	--	--	4.4
24...	1418	3.5	--	1090	7.2	30.0	--	--	4.3
25...	1052	0.30	3.55	782	7.2	29.5	--	--	4.2
25...	1053	0.50	--	780	7.2	29.5	--	--	4.2
25...	1054	1.0	--	834	7.1	29.0	--	--	4.1
25...	1055	1.5	--	890	7.2	29.0	--	--	4.0
25...	1056	2.0	--	900	7.2	29.0	--	--	4.0
25...	1057	2.5	--	920	7.2	29.0	--	--	4.0
25...	1058	3.0	--	930	7.2	29.0	--	--	3.9
25...	1059	3.4	--	930	7.2	29.0	--	--	3.9
JUL									
28...	1414	0.30	3.75	263	6.9	29.5	1290	0.75	3.8
28...	1415	0.50	--	263	6.9	29.5	--	--	3.7
28...	1416	1.0	--	263	6.9	29.5	--	--	3.7
28...	1417	1.5	--	262	6.8	29.0	--	--	3.7
28...	1418	2.0	--	258	6.8	29.0	--	--	3.7
28...	1419	2.5	--	259	6.8	29.0	--	--	3.6
28...	1421	3.0	--	262	6.8	29.0	--	--	3.6
28...	1422	3.5	--	260	6.8	29.0	--	--	3.6
29...	1004	0.30	4.65	274	7.0	29.0	--	--	3.9
29...	1005	0.50	--	275	7.0	29.0	--	--	3.9
29...	1006	1.0	--	273	6.9	29.0	--	--	3.9
29...	1007	1.5	--	274	6.9	29.0	--	--	3.8
29...	1008	2.0	--	271	6.9	29.0	--	--	3.8
29...	1009	2.5	--	271	6.9	29.0	--	--	3.8
29...	1010	3.0	--	272	6.9	29.0	--	--	3.8
29...	1011	3.5	--	278	6.9	29.0	--	--	3.8
29...	1012	4.0	--	273	6.9	29.0	--	--	3.8
29...	1013	4.5	--	269	6.9	29.0	--	--	3.8
AUG									
26...	1401	0.30	4.15	262	7.0	30.0	1220	0.70	3.9
26...	1402	0.50	--	259	7.0	29.5	--	--	3.9
26...	1403	1.0	--	262	6.9	29.5	--	--	3.8
26...	1404	1.5	--	256	6.9	29.5	--	--	3.7
26...	1405	2.0	--	258	6.9	29.5	--	--	3.7
26...	1406	2.5	--	256	6.9	29.5	--	--	3.7
26...	1407	3.0	--	256	6.9	29.5	--	--	3.7
26...	1408	3.5	--	263	6.9	29.5	--	--	3.7
26...	1409	4.0	--	252	6.9	29.5	--	--	3.7
27...	1115	0.30	4.55	263	7.1	29.5	--	--	4.1
27...	1116	0.50	--	264	7.0	29.5	--	--	4.1
27...	1117	1.0	--	264	7.0	28.5	--	--	3.9
27...	1118	1.5	--	267	7.0	28.5	--	--	3.8
27...	1119	2.0	--	269	7.0	28.5	--	--	3.8
27...	1120	2.5	--	264	7.0	28.5	--	--	3.8
27...	1121	3.0	--	266	7.0	28.5	--	--	3.8
27...	1122	3.5	--	270	6.9	28.5	--	--	3.8
27...	1123	4.0	--	264	6.9	28.5	--	--	3.8
27...	1124	4.4	--	268	6.9	28.5	--	--	3.8

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	LIGHT INCID. 400- 700NM INTENS. (U-EINS /SQM/S) (00200)	LIGHT DEPTH TO 1 % OF SURFACE LIGHT METERS (85328)	OXYGEN, DIS- SOLVED (MG/L) (00300)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL									
SEP									
25...	1428	0.30	3.95	1550	7.4	30.5	2760	1.3	6.1
25...	1429	0.50	--	1570	7.4	30.5	--	--	6.1
25...	1431	1.0	--	1680	7.4	30.5	--	--	5.9
25...	1432	1.5	--	1790	7.3	30.0	--	--	5.7
25...	1433	2.0	--	1660	7.4	30.5	--	--	6.0
25...	1436	2.5	--	1860	7.3	30.0	--	--	5.6
25...	1437	3.0	--	2100	7.3	30.0	--	--	5.4
25...	1438	3.5	--	2070	7.3	30.0	--	--	5.3
25...	1442	3.8	--	2080	7.3	30.0	--	--	5.2
26...	1115	0.30	4.65	1970	7.0	29.0	--	--	4.8
26...	1116	0.50	--	1930	7.1	29.0	--	--	4.8
26...	1117	1.0	--	2010	7.1	29.0	--	--	4.7
26...	1118	1.5	--	2060	7.1	29.0	--	--	4.7
26...	1119	2.0	--	2200	7.2	29.0	--	--	4.7
26...	1120	2.5	--	2160	7.2	29.0	--	--	4.7
26...	1121	3.0	--	2360	7.2	29.0	--	--	4.7
26...	1122	3.5	--	2380	7.2	29.0	--	--	4.7
26...	1123	4.0	--	2380	7.2	29.0	--	--	4.7
26...	1124	4.5	--	2390	7.2	29.0	--	--	4.7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270337081595800 - PEACE R. AT RIVER MILE 15.45 NR PT. CHARLOTTE,									
OCT									
22...	1153	1.40	--	--	7.1	299	7.4	23.0	5.6
22...	1154	3.50	--	--	--	297	7.3	23.0	5.4
22...	1155	5.70	--	--	--	296	7.4	23.0	5.4
NOV									
20...	1355	--	0.30	1.55	--	5600	7.7	23.5	6.9
20...	1356	--	1.0	--	--	6960	7.5	22.5	6.0
20...	1357	--	1.3	--	--	7000	7.5	22.0	5.9
DEC									
18...	1155	--	0.30	1.75	--	1930	7.8	19.5	7.2
18...	1156	--	0.50	--	--	2030	7.7	19.5	7.2
18...	1157	--	1.0	--	--	2080	7.7	19.5	7.1
18...	1158	--	1.5	--	--	2180	7.7	19.5	7.1
JAN									
22...	1426	--	0.30	2.55	--	1740	7.6	16.0	8.4
22...	1427	--	0.50	--	--	1750	7.6	16.5	8.4
22...	1428	--	1.0	--	--	1760	7.6	16.0	8.3
22...	1429	--	1.5	--	--	1750	7.6	16.0	8.3
22...	1430	--	2.0	--	--	1760	7.6	16.0	8.2
22...	1431	--	2.4	--	--	1760	7.6	16.0	8.2
FEB									
19...	1212	--	0.30	1.55	--	753	7.6	21.5	7.1
19...	1213	--	0.50	--	--	750	7.6	21.0	7.1
19...	1214	--	1.0	--	--	770	7.6	21.5	7.1
19...	1215	--	1.4	--	--	774	7.6	21.5	7.1
MAR									
18...	1439	--	0.30	3.25	--	3460	7.5	25.5	6.9
18...	1440	--	0.50	--	--	3420	7.5	25.5	6.9
18...	1441	--	1.0	--	--	3380	7.5	25.5	6.9
18...	1442	--	1.5	--	--	3580	7.4	25.5	6.7
18...	1443	--	2.0	--	--	3660	7.4	25.5	6.6
18...	1444	--	2.5	--	--	3680	7.4	25.5	6.4
18...	1445	--	3.0	--	--	3620	7.4	25.5	6.2
APR									
30...	1211	--	0.30	1.65	--	494	7.2	28.0	5.6
30...	1212	--	0.50	--	--	484	7.1	27.5	5.4
30...	1213	--	1.0	--	--	484	7.1	26.5	5.2
30...	1214	--	1.5	--	--	507	7.0	24.5	5.0
MAY									
28...	1326	--	0.30	1.85	--	558	7.3	30.0	5.1
28...	1327	--	0.50	--	--	558	7.3	30.0	5.1
28...	1328	--	1.0	--	--	559	7.3	30.0	5.0
28...	1329	--	1.5	--	--	560	7.3	30.0	5.0
28...	1330	--	1.7	--	--	561	7.3	30.0	5.0
JUN									
25...	1100	--	0.30	1.25	--	576	7.4	29.0	4.2
25...	1101	--	0.50	--	--	571	7.3	29.0	4.1
25...	1102	--	1.0	--	--	565	7.3	29.0	4.1
JUL									
29...	1014	--	0.30	4.05	--	275	7.0	30.0	4.2
29...	1015	--	0.50	--	--	276	6.9	29.5	4.1
29...	1016	--	1.0	--	--	276	6.9	29.5	4.1
29...	1017	--	1.5	--	--	276	6.9	29.5	4.1
29...	1018	--	2.0	--	--	276	6.9	29.0	4.0
29...	1019	--	2.5	--	--	276	6.9	28.5	4.0
29...	1020	--	3.0	--	--	276	6.9	28.5	3.9
29...	1021	--	3.5	--	--	276	6.9	28.5	3.9
29...	1022	--	3.9	--	--	276	6.9	28.5	3.9
AUG									
27...	1125	--	0.30	2.15	--	262	7.0	30.5	4.2
27...	1126	--	0.50	--	--	262	7.0	30.0	4.1
27...	1127	--	1.0	--	--	263	7.0	29.5	4.0
27...	1128	--	1.5	--	--	263	7.0	29.5	4.0
27...	1129	--	2.0	--	--	264	6.9	28.5	3.8

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270337081595800 - PEACE R. AT RIVER MILE 15.45 NR PT. CHARLOTTE,							
SEP							
26...	1129	0.30	3.45	1070	7.2	29.0	4.7
26...	1130	0.50	--	1080	7.2	29.0	4.7
26...	1131	1.0	--	1090	7.2	29.0	4.7
26...	1132	1.5	--	1100	7.2	29.0	4.7
26...	1133	2.0	--	1100	7.2	29.0	4.7
26...	1134	2.5	--	1100	7.2	29.0	4.7
26...	1135	3.0	--	1100	7.2	29.0	4.7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270418082001600 - PEACE R. AT RIVER MILE 16.29 NR FT. OGDEN, FL									
OCT									
22...	1159	1.10	--	--	5.0	321	7.5	23.5	6.4
22...	1200	3.40	--	--	--	293	7.4	23.0	6.0
NOV									
20...	1401	--	0.30	1.35	--	2480	7.7	22.0	5.3
20...	1402	--	1.0	--	--	2810	7.6	22.0	5.3
20...	1403	--	1.2	--	--	2810	7.5	21.5	5.2
DEC									
18...	1204	--	0.30	1.45	--	908	7.9	19.5	7.3
18...	1205	--	0.50	--	--	911	7.8	19.5	7.2
18...	1206	--	1.0	--	--	911	7.8	19.5	7.1
18...	1207	--	1.3	--	--	910	7.8	19.5	7.2
JAN									
22...	1435	--	0.30	1.25	--	763	7.8	16.0	9.1
22...	1436	--	0.50	--	--	762	7.8	16.0	9.1
22...	1437	--	1.0	--	--	766	7.7	16.0	9.1
FEB									
19...	1227	--	0.30	0.85	--	570	7.6	21.0	7.2
19...	1228	--	0.50	--	--	570	7.6	21.0	7.1
19...	1229	--	0.70	--	--	570	7.6	21.0	7.1
MAR									
18...	1454	--	0.30	1.35	--	1570	7.5	25.5	6.9
18...	1455	--	0.50	--	--	1560	7.5	25.5	6.8
18...	1456	--	1.0	--	--	1530	7.5	25.5	6.7
APR									
30...	1217	--	0.30	1.25	--	474	7.1	25.0	5.3
30...	1218	--	0.50	--	--	471	7.1	25.0	5.1
30...	1219	--	1.0	--	--	473	7.1	24.5	5.2
MAY									
28...	1335	--	0.30	0.95	--	540	7.4	30.0	5.6
28...	1336	--	0.50	--	--	543	7.4	30.0	5.6
28...	1337	--	0.80	--	--	541	7.4	30.0	5.5
JUN									
25...	1234	--	0.30	1.25	--	440	7.5	30.0	4.8
25...	1235	--	0.50	--	--	430	7.4	30.0	4.8
25...	1236	--	1.0	--	--	430	7.4	30.0	4.8
JUL									
29...	1023	--	0.30	1.35	--	277	7.0	29.0	4.2
29...	1024	--	0.50	--	--	277	6.9	29.0	4.2
29...	1025	--	1.0	--	--	280	6.9	28.5	4.1
AUG									
27...	1131	--	0.30	1.65	--	265	7.1	29.5	4.4
27...	1132	--	0.50	--	--	266	7.0	29.0	3.9
27...	1133	--	1.0	--	--	263	7.0	29.0	4.1
27...	1134	--	1.5	--	--	268	7.0	29.0	3.8
SEP									
26...	1141	--	0.30	1.65	--	451	7.2	29.0	4.6
26...	1142	--	0.50	--	--	457	7.2	29.0	4.6
26...	1143	--	1.0	--	--	452	7.2	29.0	4.6
26...	1144	--	1.5	--	--	452	7.2	29.0	4.6

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270451081595100 - PEACE R. AT RIVER MILE 18.25 NR FT. OGDEN, FL									
OCT									
22...	1206	1.20	--	--	13	325	7.6	23.5	7.4
22...	1207	6.30	--	--	--	307	7.4	22.0	6.7
22...	1208	11.8	--	--	--	283	7.4	22.0	6.4
NOV									
20...	1412	--	0.30	2.85	--	565	7.8	22.0	5.6
20...	1413	--	1.0	--	--	574	7.7	21.5	5.4
20...	1414	--	1.5	--	--	573	7.6	21.5	5.3
20...	1415	--	2.0	--	--	574	7.7	21.5	5.3
20...	1416	--	2.5	--	--	573	7.6	21.5	5.2
DEC									
18...	1226	--	0.30	3.45	--	485	7.7	19.5	8.1
18...	1227	--	0.50	--	--	485	7.7	19.0	8.0
18...	1228	--	1.0	--	--	485	7.7	18.5	7.9
18...	1229	--	1.5	--	--	485	7.7	18.5	7.9
18...	1230	--	2.0	--	--	485	7.7	18.5	7.9
18...	1231	--	2.5	--	--	484	7.7	18.5	7.9
18...	1232	--	3.0	--	--	484	7.7	18.5	7.9
18...	1233	--	3.3	--	--	484	7.7	18.5	7.9
JAN									
22...	1446	--	0.30	3.55	--	569	7.9	15.5	9.7
22...	1447	--	0.50	--	--	570	7.8	15.5	9.7
22...	1448	--	1.0	--	--	567	7.8	15.5	9.7
22...	1449	--	1.5	--	--	567	7.8	15.5	9.7
22...	1450	--	2.0	--	--	566	7.8	15.5	9.7
22...	1451	--	2.5	--	--	568	7.8	15.5	9.7
22...	1452	--	3.0	--	--	569	7.8	15.5	9.7
22...	1453	--	3.4	--	--	566	7.8	15.5	9.7
FEB									
19...	1236	--	0.30	2.65	--	568	7.7	20.5	7.3
19...	1237	--	0.50	--	--	575	7.7	20.5	7.3
19...	1238	--	1.0	--	--	571	7.7	20.5	7.3
19...	1239	--	1.5	--	--	566	7.7	20.5	7.3
19...	1240	--	2.0	--	--	568	7.7	20.5	7.3
19...	1241	--	2.5	--	--	571	7.7	20.5	7.3
MAR									
18...	1502	--	0.30	3.55	--	622	7.6	25.5	6.6
18...	1503	--	0.50	--	--	625	7.6	25.5	6.6
18...	1504	--	1.0	--	--	629	7.5	25.0	6.6
18...	1505	--	1.5	--	--	640	7.5	25.0	6.4
18...	1506	--	2.0	--	--	646	7.5	25.0	6.3
18...	1507	--	2.5	--	--	645	7.5	25.0	6.3
18...	1508	--	3.0	--	--	642	7.5	25.0	6.2
18...	1509	--	3.4	--	--	637	7.5	24.5	6.0
APR									
30...	1225	--	0.30	4.15	--	456	7.1	24.5	5.5
30...	1226	--	0.50	--	--	454	7.1	24.5	5.4
30...	1227	--	1.0	--	--	450	7.1	24.5	5.3
30...	1228	--	1.5	--	--	452	7.1	24.5	5.3
30...	1229	--	2.0	--	--	450	7.1	24.0	5.3
30...	1230	--	2.5	--	--	450	7.1	24.0	5.3
30...	1231	--	3.0	--	--	449	7.1	24.0	5.2
30...	1232	--	3.5	--	--	449	7.1	24.0	5.2
30...	1233	--	4.0	--	--	449	7.1	24.0	5.2
MAY									
28...	1341	--	0.30	3.65	--	547	7.6	30.0	6.2
28...	1342	--	0.50	--	--	542	7.5	30.0	6.2
28...	1343	--	1.0	--	--	541	7.5	30.0	6.1
28...	1344	--	1.5	--	--	540	7.5	30.0	6.1
28...	1345	--	2.0	--	--	541	7.5	30.0	6.1
28...	1346	--	2.5	--	--	547	7.5	30.0	6.1
28...	1347	--	3.0	--	--	540	7.5	30.0	6.1
28...	1348	--	3.5	--	--	540	7.5	30.0	6.1

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270451081595100 - PEACE R. AT RIVER MILE 18.25 NR FT. OGDEN, FL							
JUN							
25...	1221	0.30	3.65	440	7.4	29.5	5.3
25...	1222	0.50	--	440	7.3	29.5	5.2
25...	1223	1.0	--	440	7.3	29.5	5.2
25...	1224	1.5	--	440	7.4	29.5	5.2
25...	1225	2.0	--	440	7.4	29.5	5.2
25...	1226	2.5	--	440	7.4	29.5	5.2
25...	1227	3.0	--	440	7.4	29.5	5.2
25...	1228	3.5	--	440	7.4	29.5	5.2
JUL							
29...	1028	0.30	4.45	275	7.0	28.5	4.3
29...	1029	0.50	--	276	7.0	28.5	4.2
29...	1030	1.0	--	278	7.0	28.5	4.2
29...	1031	1.5	--	278	7.0	28.5	4.2
29...	1032	2.0	--	279	7.0	28.5	4.2
29...	1033	2.5	--	275	7.0	28.5	4.2
29...	1034	3.0	--	274	6.9	28.5	4.2
29...	1035	3.5	--	277	6.9	28.5	4.2
29...	1036	4.0	--	280	6.9	28.5	4.2
AUG							
27...	1139	0.30	3.45	264	7.1	29.5	4.6
27...	1140	0.50	--	265	7.0	29.5	4.6
27...	1141	1.0	--	267	7.0	28.5	4.5
27...	1142	1.5	--	263	7.0	28.5	4.4
27...	1143	2.0	--	264	7.0	28.5	4.3
27...	1144	2.5	--	267	7.0	28.5	4.3
27...	1145	3.0	--	268	7.0	28.5	4.3
27...	1146	3.3	--	267	7.0	28.5	4.3
SEP							
26...	1153	0.30	4.45	392	7.3	28.5	4.9
26...	1154	0.50	--	395	7.3	28.5	4.9
26...	1155	1.0	--	388	7.3	29.0	4.9
26...	1156	1.5	--	395	7.2	28.5	4.8
26...	1157	2.0	--	395	7.2	28.5	4.8
26...	1158	2.5	--	393	7.2	28.5	4.8
26...	1159	3.0	--	395	7.2	28.5	4.8
26...	1200	3.5	--	393	7.2	28.5	4.8
26...	1201	4.0	--	395	7.2	28.5	4.8

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	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)
270537081585800 - PEACE R. AT RIVER MILE 19.5 NR FT. OGDEN, FL									
OCT									
22...	1219	1.00	--	--	8.0	337	7.6	22.5	7.9
22...	1221	4.10	--	--	--	341	7.4	22.5	7.5
22...	1231	7.00	--	--	--	345	7.4	22.5	7.5
NOV									
20...	1427	--	0.30	3.15	--	501	7.8	22.0	6.8
20...	1428	--	1.0	--	--	502	7.7	22.0	6.7
20...	1429	--	1.5	--	--	502	7.7	22.0	6.6
20...	1430	--	2.0	--	--	503	7.7	22.0	6.6
20...	1431	--	2.5	--	--	503	7.7	21.5	6.6
20...	1432	--	3.0	--	--	503	7.7	21.5	6.6
DEC									
18...	1258	--	0.30	2.75	--	465	8.0	19.0	9.1
18...	1259	--	0.50	--	--	465	8.0	19.0	9.3
18...	1300	--	1.0	--	--	465	8.0	18.5	9.2
18...	1301	--	1.5	--	--	466	7.9	18.5	9.1
18...	1302	--	2.0	--	--	466	7.9	18.5	9.0
18...	1303	--	2.5	--	--	466	7.9	18.5	9.0
18...	1304	--	--	--	--	481	7.8	18.5	8.1
JAN									
22...	1505	--	0.30	2.65	--	595	8.0	15.5	9.9
22...	1506	--	0.50	--	--	594	7.9	15.5	10.0
22...	1507	--	1.0	--	--	595	7.9	15.0	10.0
22...	1508	--	1.5	--	--	594	7.9	15.0	10
22...	1509	--	2.0	--	--	594	7.9	15.0	10.0
22...	1510	--	2.5	--	--	594	7.9	15.0	10
FEB									
19...	1253	--	0.30	2.95	--	549	7.9	21.5	8.0
19...	1254	--	0.50	--	--	562	7.8	21.5	8.0
19...	1255	--	1.0	--	--	557	7.8	21.0	8.0
19...	1256	--	1.5	--	--	559	7.8	21.0	7.8
19...	1257	--	2.0	--	--	559	7.8	21.0	7.8
19...	1258	--	2.5	--	--	559	7.8	21.0	7.8
19...	1259	--	2.8	--	--	561	7.8	21.0	7.8
MAR									
18...	1531	--	0.30	2.45	--	580	7.5	25.5	6.6
18...	1532	--	0.50	--	--	584	7.5	25.5	6.5
18...	1533	--	1.0	--	--	582	7.5	25.0	6.4
18...	1534	--	1.5	--	--	580	7.5	25.5	6.4
18...	1535	--	2.0	--	--	582	7.4	25.0	6.2
18...	1536	--	2.3	--	--	580	7.4	24.5	6.0
APR									
30...	1245	--	0.30	2.85	--	423	7.1	24.5	5.6
30...	1246	--	0.50	--	--	423	7.1	24.5	5.5
30...	1247	--	1.0	--	--	420	7.1	24.5	5.5
30...	1248	--	1.5	--	--	420	7.1	24.5	5.5
30...	1249	--	2.0	--	--	420	7.1	24.5	5.5
30...	1250	--	2.5	--	--	420	7.1	24.5	5.5
MAY									
28...	1402	--	0.30	2.75	--	540	7.7	30.5	6.8
28...	1403	--	0.50	--	--	542	7.7	30.5	6.8
28...	1405	--	1.0	--	--	542	7.7	30.5	6.8
28...	1406	--	1.5	--	--	541	7.7	30.5	6.8
28...	1407	--	2.0	--	--	542	7.7	30.5	6.8
28...	1408	--	2.5	--	--	541	7.7	30.5	6.7
JUN									
25...	1156	--	0.30	2.45	--	432	7.6	30.0	5.8
25...	1157	--	0.50	--	--	420	7.6	30.0	5.5
25...	1158	--	1.0	--	--	431	7.5	30.0	5.8
25...	1159	--	1.5	--	--	425	7.5	30.0	5.8
25...	1200	--	2.0	--	--	428	7.5	30.0	5.8
JUL									
29...	1043	--	0.30	2.25	--	272	7.1	28.5	4.5
29...	1044	--	0.50	--	--	272	7.1	28.5	4.5
29...	1045	--	1.0	--	--	272	7.0	28.5	4.4
29...	1046	--	1.5	--	--	273	7.0	28.5	4.4
29...	1047	--	2.0	--	--	273	7.0	28.5	4.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	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)
270537081585800 - PEACE R. AT RIVER MILE 19.5 NR FT. OGDEN, FL							
AUG							
27...	1159	0.30	3.15	266	7.1	28.5	4.7
27...	1200	0.50	--	263	7.0	29.0	4.6
27...	1201	1.0	--	266	7.0	28.5	4.6
27...	1202	1.5	--	265	7.0	29.0	4.6
27...	1203	2.0	--	267	7.0	29.0	4.6
27...	1204	2.5	--	262	7.0	29.0	4.6
27...	1205	3.0	--	267	7.0	29.0	4.6
SEP							
26...	1216	0.30	2.25	411	7.3	28.5	5.5
26...	1217	0.50	--	410	7.3	28.5	5.5
26...	1218	1.0	--	404	7.3	28.5	5.5
26...	1219	1.5	--	401	7.3	28.5	5.4
26...	1220	2.0	--	412	7.3	28.5	5.4

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
LABORATORY ANALYSES											
02297330 - PEACE RIVER AT FT. OGDEN, FL											
OCT											
21...	1552	1.00	--	--	5.9	160	5.9	23.0	26	6.8	12
21...	1600	5.00	--	--	5.9	160	6.1	--	26	6.8	11
NOV											
19...	1655	--	0.30	2.15	--	60	3.1	--	44	4.9	3
19...	1715	--	1.8	2.15	--	60	3.4	--	44	4.9	3
DEC											
17...	1610	--	0.30	3.15	--	60	1.1	--	32	3.8	4
17...	1630	--	2.8	3.15	--	60	1.9	--	32	3.8	6
JAN											
21...	1700	--	0.30	2.75	--	40	1.7	--	45	3.2	1
21...	1722	--	2.4	2.75	--	40	1.6	--	45	3.4	1
FEB											
18...	1650	--	0.30	2.75	--	30	1.9	--	40	1.1	5
18...	1710	--	2.4	2.75	--	30	1.9	--	40	1.1	2
MAR											
17...	1640	--	0.30	2.65	--	30	2.5	--	53	2.1	6
17...	1700	--	2.3	2.65	--	40	2.9	--	53	2.1	6
APR											
29...	1545	--	0.30	2.65	--	40	5.2	--	38	5.3	15
29...	1610	--	2.3	2.65	--	30	5.4	--	39	4.1	10
MAY											
29...	1220	--	0.30	2.15	--	80	2.1	--	44	2.5	8
29...	1245	--	1.9	2.15	--	60	2.2	--	43	2.4	6
JUN											
24...	1615	--	0.30	1.75	--	60	<1.0	--	38	3.8	2
24...	1640	--	1.4	1.75	--	60	<1.0	--	37	3.6	2
JUL											
28...	1530	--	0.30	2.15	--	240	3.2	--	24	7.9	6
28...	1545	--	1.8	2.15	--	240	1.3	--	25	7.8	5
AUG											
26...	1530	--	0.30	2.15	--	140	4.7	--	26	8.9	10
26...	1555	--	1.8	2.15	--	280	3.4	--	24	9.0	9

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L) (00535)	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)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)
02297330 - PEACE RIVER AT FT. OGDEN, FL											
OCT											
21...	13	<0.010	0.460	0.020	1.4	0.650	0.480	32	29	9.7	24.0
21...	9	<0.010	0.460	0.020	1.4	0.670	0.480	38	29	9.4	22.0
NOV											
19...	<1	0.010	0.670	0.090	0.82	0.740	0.680	44	41	20	2.10
19...	<1	0.010	0.670	0.090	0.85	0.750	0.690	44	41	21	1.40
DEC											
17...	1	<0.010	0.690	0.060	0.62	0.520	0.530	10	9.5	17	<0.100
17...	2	<0.010	0.680	0.070	0.60	0.540	0.530	10	9.8	18	0.500
JAN											
21...	2	<0.010	0.740	0.050	0.67	0.600	0.560	27	27	20	--
21...	2	<0.010	0.750	0.050	0.66	0.620	0.550	28	28	21	--
FEB											
18...	2	<0.010	0.630	0.080	0.56	0.670	0.670	31	30	22	--
18...	3	<0.010	0.660	0.080	0.60	0.680	0.680	32	32	22	--
MAR											
17...	4	0.010	0.500	0.030	0.77	0.870	0.760	16	15	23	--
17...	3	0.010	0.510	0.030	0.74	0.890	0.760	16	15	23	--
APR											
29...	7	0.030	1.30	0.130	1.1	0.620	0.480	25	25	9.8	--
29...	4	0.030	1.30	0.120	1.2	0.650	0.490	26	26	9.9	--
MAY											
29...	4	<0.010	0.240	0.040	E0.69	0.810	0.740	11	11	19	--
29...	4	0.011	0.240	0.060	E0.65	0.790	0.770	10	10	19	--
JUN											
24...	1	0.010	0.370	0.080	0.80	0.750	0.740	12	12	16	--
24...	1	0.014	0.380	0.090	0.80	0.750	0.760	11	11	16	--
JUL											
28...	3	0.014	0.440	0.070	1.6	0.920	0.830	27	27	9.1	--
28...	3	0.014	0.450	0.070	1.7	0.920	0.830	27	26	9.2	--
AUG											
26...	5	0.019	0.480	0.040	1.6	0.920	0.710	11	11	11	--
26...	3	0.020	0.470	0.030	1.4	0.890	0.720	22	22	11	--

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. (METERS) (82903)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L) (00535)
02297330 - PEACE RIVER AT FT. OGDEN, FL									
SEP									
25...	1605		0.30	3.15	120	3.2	37	8.8	5
25...	1650		2.7	3.15	80	3.2	38	8.9	6

DATE	NITRO- GEN, NITRITE TOTAL (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, 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)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)
02297330 - PEACE RIVER AT FT. OGDEN, FL									
SEP									
25...	<0.010	0.620	0.050	1.1	0.730	0.660	14	14	15
25...	<0.010	0.600	0.050	1.1	0.780	0.670	14	14	15

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SAM- PLING DEPTH (M) (000098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (000064)	COLOR (PLAT- INUM- COBALT UNITS) (000080)	TUR- BID- ITY (NTU) (000076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (000077)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,											
OCT											
21...	1120	1.00	--	--	14	10	1.7	75.0	13000	0.60	19
21...	1140	13.0	--	--	14	10	3.3	--	13000	1.0	23
NOV											
19...	1115	--	0.30	4.15	--	10	<1.0	--	15000	0.04	25
19...	1155	--	3.8	4.15	--	10	<1.0	--	15000	0.30	31
DEC											
17...	1010	--	0.30	4.00	--	10	1.1	--	15000	0.80	33
17...	1045	--	3.7	4.00	--	5	1.1	--	15000	0.80	44
JAN											
21...	1130	--	0.30	3.65	--	5	<1.0	--	16000	2.1	28
21...	1145	--	3.3	3.65	--	<5	1.1	--	16000	2.1	21
FEB											
18...	1150	--	0.30	3.65	--	5	1.2	--	16000	2.9	1
18...	1215	--	3.3	3.65	--	5	1.7	--	16000	2.6	31
MAR											
17...	1130	--	0.30	3.65	--	5	2.7	--	16000	2.6	50
17...	1150	--	3.3	3.65	--	5	2.6	--	17000	2.8	49
APR											
29...	0950	--	0.30	4.35	--	30	1.9	--	17000	1.6	48
29...	1015	--	4.0	4.35	--	30	2.4	--	17000	1.6	58
MAY											
29...	0730	--	0.30	3.85	--	60	2.0	--	15000	1.4	98
29...	0800	--	3.5	3.85	--	60	1.8	--	15000	1.4	110
JUN											
24...	1020	--	0.30	3.75	--	<5	<1.0	--	15000	0.50	31
24...	1045	--	3.4	3.75	--	10	<1.0	--	15000	0.50	44
JUL											
28...	1010	--	0.30	4.25	--	60	1.2	--	9700	4.2	23
28...	1045	--	3.9	4.25	--	30	1.1	--	12000	4.3	27
AUG											
26...	1015	--	0.30	4.15	--	100	<1.0	--	8300	7.0	26
26...	1035	--	3.8	4.15	--	100	<1.0	--	8600	7.0	22

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L) (00535)	NITRO- GEN, NITRITE (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC (MG/L) AS N) (00625)	PHOS- PHORUS (MG/L) AS P) (00665)	PHOS- PHORUS (MG/L) AS P) (70507)	CARBON, ORGANIC (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)
265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,											
OCT											
21...	8	<0.010	<0.020	0.010	0.71	0.120	0.100	32	12	20	1.70
21...	11	<0.010	<0.020	0.020	0.75	0.130	0.100	32	12	20	2.70
NOV											
19...	2	<0.010	<0.020	0.020	0.39	0.070	0.080	38	35	23	1.10
19...	3	<0.010	<0.020	0.020	0.48	0.070	0.080	37	35	23	0.500
DEC											
17...	7	<0.010	<0.020	0.030	0.38	0.100	0.080	6.9	6.0	24	3.30
17...	7	<0.010	<0.020	0.030	0.39	0.090	0.080	6.8	6.7	23	0.200
JAN											
21...	9	<0.010	<0.020	0.030	0.60	0.170	0.130	25	25	25	--
21...	6	<0.010	<0.020	0.020	0.46	0.050	0.060	26	26	25	--
FEB											
18...	1	<0.010	<0.020	0.040	0.37	0.060	0.060	32	31	25	--
18...	4	<0.010	<0.020	E0.020	E0.35	E0.080	E0.060	31	30	25	--
MAR											
17...	6	<0.010	<0.020	0.020	0.63	0.070	0.040	14	11	29	--
17...	8	<0.010	<0.020	0.020	0.54	0.070	0.040	9.0	7.8	29	--
APR											
29...	11	<0.010	<0.020	0.040	0.40	0.070	0.050	7.7	7.3	31	--
29...	14	<0.010	<0.020	0.040	0.45	0.070	0.040	8.1	7.5	31	--
MAY											
29...	26	<0.010	<0.020	0.040	E0.56	0.080	0.060	4.5	4.3	24	--
29...	34	<0.010	<0.020	0.040	E0.59	0.120	0.050	4.3	3.8	24	--
JUN											
24...	10	<0.010	<0.020	0.020	0.49	0.040	0.070	5.0	4.8	24	--
24...	8	<0.010	<0.020	0.020	0.54	0.040	0.060	4.3	4.1	23	--
JUL											
28...	4	<0.010	<0.020	0.010	0.87	0.170	0.160	10	10	24	--
28...	7	<0.010	<0.020	0.090	0.77	0.120	0.140	6.1	5.2	29	--
AUG											
26...	8	<0.010	<0.020	0.030	1.1	0.320	0.250	22	22	20	--
26...	6	<0.010	<0.020	0.100	1.1	0.280	0.240	11	11	21	--

DATE	TIME	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SILICA, DIS- SOLVED (MG/L) AS SiO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L) (00535)
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265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,

SEP									
25...	1020	0.30	4.05	30	<1.0	12000	6.6	28	10
25...	1040	3.7	4.05	20	<1.0	12000	4.2	27	9

DATE	NITRO- GEN, NITRITE (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC (MG/L) AS N) (00625)	PHOS- PHORUS (MG/L) AS P) (00665)	PHOS- PHORUS (MG/L) AS P) (70507)	CARBON, ORGANIC (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)
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265355082075500 - UPPER CHARLOTTE HARB TRANSECT 2 NR PUNTA GORDA,

SEP									
25...	<0.010	<0.020	0.030	1.0	0.120	0.110	8.2	7.1	24
25...	<0.010	<0.020	0.030	0.70	0.120	0.100	7.6	7.2	24

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL											
OCT											
21...	1245	1.00	--	--	10	60	1.4	45.0	8600	3.6	15
21...	1300	9.00	--	--	10	30	2.2	--	12000	2.6	17
NOV											
19...	1255	--	0.30	3.15	--	20	1.2	--	12000	0.80	24
19...	1315	--	2.8	3.15	--	20	1.0	--	13000	0.50	25
DEC											
17...	1145	--	0.30	2.90	--	20	1.4	--	13000	1.6	43
17...	1205	--	2.6	2.90	--	10	1.4	--	13000	1.6	39
JAN											
21...	1300	--	0.30	2.45	--	10	1.5	--	14000	2.9	29
21...	1325	--	2.1	2.45	--	10	2.1	--	14000	2.8	21
FEB											
18...	1315	--	0.30	2.45	--	20	6.4	--	14000	2.0	47
18...	1340	--	2.1	2.45	--	10	8.3	--	15000	1.9	58
MAR											
17...	1245	--	0.30	2.65	--	20	2.0	--	13000	2.2	31
17...	1305	--	2.3	2.65	--	10	5.6	--	14000	2.3	45
APR											
29...	1115	--	0.30	3.05	--	30	9.2	--	13000	1.2	64
29...	1145	--	2.7	3.05	--	30	8.9	--	14000	1.3	60
MAY											
29...	0855	--	0.30	2.85	--	60	1.8	--	12000	2.6	74
29...	0915	--	2.5	2.85	--	60	5.4	--	13000	2.4	94
JUN											
24...	1136	--	0.30	2.85	--	30	1.1	--	10000	0.60	32
24...	1145	--	2.5	2.85	--	10	4.2	--	14000	1.0	56
JUL											
28...	1130	--	0.30	3.25	--	160	2.2	--	4000	6.8	12
28...	1215	--	2.9	3.25	--	50	1.7	--	11000	6.2	32
AUG											
26...	1125	--	0.30	3.15	--	160	1.3	--	3200	8.2	15
26...	1145	--	2.8	3.15	--	80	<1.0	--	9300	7.3	21

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L) (00535)	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)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)
265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL											
OCT											
21...	7	0.010	0.140	0.110	0.94	0.240	0.220	35	17	18	16.0
21...	9	0.010	0.060	0.110	0.86	0.190	0.160	33	13	20	2.50
NOV											
19...	2	<0.010	<0.020	0.020	0.56	0.130	0.130	39	36	22	10.0
19...	3	<0.010	<0.020	0.010	0.32	0.110	0.120	39	36	22	13.0
DEC											
17...	8	<0.010	<0.020	0.050	0.43	0.150	0.140	8.5	8.4	23	4.90
17...	9	<0.010	<0.020	0.060	0.41	0.140	0.120	7.8	7.7	23	4.30
JAN											
21...	10	<0.010	<0.020	0.030	0.42	0.140	0.140	31	26	24	--
21...	4	<0.010	<0.020	0.020	0.47	0.060	0.060	27	27	25	--
FEB											
18...	13	<0.010	<0.020	0.030	0.66	0.210	0.100	31	31	25	--
18...	12	<0.010	<0.020	0.030	0.67	0.200	0.090	32	30	25	--
MAR											
17...	5	<0.010	<0.020	0.020	0.47	0.170	0.130	10	9.0	28	--
17...	9	0.010	<0.020	0.020	0.64	0.200	0.110	9.0	8.9	29	--
APR											
29...	14	<0.010	<0.020	0.050	0.80	0.240	0.100	16	9.6	30	--
29...	15	<0.010	<0.020	0.050	0.79	0.240	0.100	9.8	9.5	29	--
MAY											
29...	18	<0.010	<0.020	0.040	E0.65	0.200	0.130	6.6	6.4	23	--
29...	24	<0.010	<0.020	0.080	E0.76	0.240	0.110	5.9	5.6	24	--
JUN											
24...	7	--	--	--	--	--	--	7.6	7.2	22	--
24...	14	<0.010	<0.020	0.040	0.81	0.190	0.100	5.2	4.9	24	--
JUL											
28...	6	<0.010	0.220	0.130	1.3	0.470	0.450	15	14	21	--
28...	8	<0.010	<0.020	0.300	0.97	0.210	0.230	8.5	8.2	29	--
AUG											
26...	5	0.013	0.200	0.120	1.3	0.580	0.500	23	23	16	--
26...	4	<0.010	0.030	0.320	1.1	0.300	0.300	12	12	22	--

DATE	TIME	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (00098)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SILICA, DIS- SOLVED (MG/L) AS SiO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L) (00530)	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L) (00535)
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265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL

SEP									
25...	1140	0.30	3.55	50	2.2	11000	4.9	32	11
25...	1200	3.2	3.55	40	2.2	11000	5.4	33	<1

DATE	NITRO- GEN, NITRITE TOTAL (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, 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)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)
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265640082033500 - PEACE R. AT RIVER MILE 3.95 NR PUNTA GORDA, FL

SEP									
25...	<0.010	<0.020	0.020	0.87	0.220	0.150	8.7	8.2	23
25...	<0.010	<0.020	0.060	0.89	0.210	0.160	8.8	8.4	23

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

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DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING DEPTH (M) (00098)	DEPTH TO BOT. FROM SURFACE AT SAMP LOC. METERS (82903)	STREAM DEPTH, MEAN (FT) (00064)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL											
OCT											
21...	1450	1.00	--	--	15	160	5.5	28.2	28	7.0	9
21...	1507	14.0	--	--	15	200	5.9	--	29	7.2	13
NOV											
19...	1525	--	0.30	4.55	--	50	3.9	--	840	7.7	5
19...	1550	--	4.2	4.55	--	80	4.0	--	760	7.8	9
DEC											
17...	1435	--	0.30	4.35	--	50	2.0	--	240	3.7	7
17...	1455	--	4.0	4.35	--	50	2.5	--	210	3.7	7
JAN											
21...	1555	--	0.30	2.55	--	40	2.0	--	1400	3.6	4
21...	1620	--	2.2	2.55	--	40	2.0	--	1600	3.6	5
FEB											
18...	1530	--	0.30	2.55	--	50	2.3	--	540	1.9	5
18...	1600	--	2.2	2.55	--	50	2.6	--	620	2.0	5
MAR											
17...	1515	--	0.30	3.25	--	40	2.4	--	1100	2.2	9
17...	1540	--	2.9	3.25	--	50	3.1	--	1400	2.3	11
APR											
29...	1430	--	0.30	4.05	--	40	2.2	--	52	4.3	5
29...	1445	--	3.7	4.05	--	E40	1.9	--	54	4.2	4
MAY											
29...	1120	--	0.30	3.95	--	80	1.9	--	98	4.6	8
29...	1140	--	3.6	3.95	--	80	1.9	--	100	4.6	8
JUN											
24...	1410	--	0.30	3.75	--	60	<1.0	--	190	5.1	5
JUL											
28...	1420	--	0.30	3.75	--	E280	3.0	--	23	7.7	6
28...	1445	--	3.4	3.75	--	280	4.0	--	22	7.8	7
AUG											
26...	1420	--	3.8	4.15	--	280	4.7	--	24	8.7	9
26...	1440	--	0.30	4.15	--	240	4.7	--	23	8.6	9
SEP											
25...	1430	--	0.30	3.95	--	120	2.3	--	300	8.8	7
25...	1510	--	3.6	3.95	--	120	2.2	--	220	8.9	7

**MISCELLANEOUS SURFACE WATER QUALITY RECORDS
OCTOBER 1996 TO SEPTEMBER 1997**

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L) (00535)	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)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	CARBON, ORGANIC DIS- SOLVED TOTAL (MG/L) AS C) (00681)	CARBON, INOR- GANIC, TOTAL (MG/L) AS C) (00685)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)
270318081593100 - PEACE R. AT RIVER MILE 14.82 NR FT. OGDEN, FL											
OCT											
21...	7	0.010	0.510	0.070	1.3	0.650	0.500	36	28	8.9	5.70
21...	11	<0.010	0.490	0.070	1.3	0.670	0.510	37	28	8.9	5.10
NOV											
19...	<1	0.010	0.690	0.070	0.82	0.670	0.610	42	40	18	1.10
19...	2	0.010	0.680	0.070	1.0	0.690	0.610	45	40	18	1.40
DEC											
17...	4	<0.010	0.620	0.060	0.68	0.570	0.550	9.1	8.6	17	2.30
17...	4	<0.010	0.610	0.060	1.0	0.570	0.560	9.4	9.1	18	1.80
JAN											
21...	4	<0.010	0.540	0.050	0.77	0.620	0.570	31	27	20	--
21...	6	<0.010	0.520	0.050	0.82	0.630	0.560	30	27	20	--
FEB											
18...	5	<0.010	0.560	0.110	0.79	0.640	0.590	31	31	21	--
18...	5	<0.010	0.550	0.100	0.64	0.640	0.610	31	30	21	--
MAR											
17...	5	<0.010	0.100	0.010	0.85	0.820	0.720	16	16	22	--
17...	4	<0.010	0.120	0.030	0.78	0.820	0.710	17	16	22	--
APR											
29...	3	0.020	0.950	0.110	0.88	0.540	0.480	22	22	12	--
29...	3	E0.020	E0.960	E0.110	E0.91	E0.550	E0.480	21	21	12	--
MAY											
29...	10	<0.010	0.300	0.030	E0.84	0.680	0.620	15	15	15	--
29...	6	<0.010	0.310	0.040	E0.85	0.690	0.630	15	15	15	--
JUN											
24...	2	<0.010	0.210	0.060	0.74	0.780	0.750	12	12	14	--
JUL											
28...	5	0.014	0.440	0.080	1.7	0.900	0.840	27	26	8.6	--
28...	3	0.014	0.410	0.070	1.8	0.940	0.830	26	26	8.5	--
AUG											
26...	4	0.018	0.440	0.050	1.5	0.860	0.710	24	23	11	--
26...	4	0.018	0.440	0.050	1.5	0.840	0.690	24	23	11	--
SEP											
25...	7	<0.010	0.290	0.030	1.0	0.710	0.640	16	15	16	--
25...	6	<0.010	0.320	0.050	1.1	0.750	0.660	18	17	16	--

ELEVATION AND WATER QUALITY OF LAKES

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

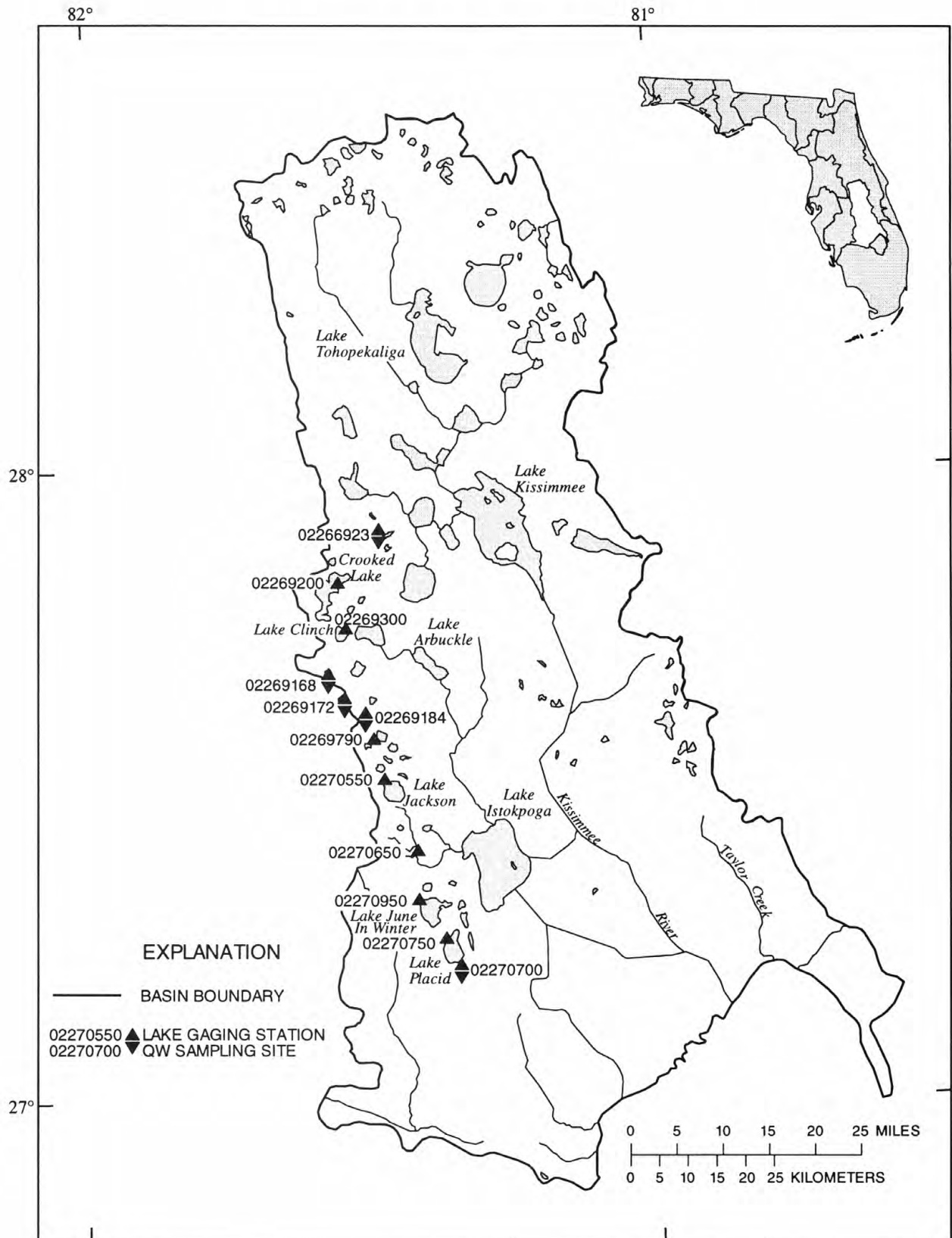


Figure 17.--Location of lake gaging stations in the Kissimmee River basin; the Taylor Creek basin and inflow to Lake Okeechobee from the north; and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

SOUTHERN FLORIDA

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KISSIMMEE RIVER BASIN

02266923 SWIM LAKE NEAR ALCOMA, FL

LOCATION.--Lat 27°54'03", long 81°28'54", in SW¹/₄ sec.1, T.30 S., R.28 E., Polk County, Hydrologic Unit 03090101, on northwest shore of lake, on Mammoth Groves Road, 0.5 mi north of State Highway 60, and 4.0 mi north of Alcoma.

SURFACE AREA.--5 acres (0.01 mi²).

DRAINAGE AREA.--0.3 mi², approximately.

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to January 1997 (incomplete), discontinued. Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 91.82 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 98.06 ft, Sept. 13, 14, 1996; minimum, 95.79 ft, Mar. 27, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 97.83 ft, Oct. 8; minimum, 96.42 ft, Jan. 15, 16.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.99	97.12	96.89	96.32	96.65	96.11	96.18	96.34	96.32	---	97.44	97.97
2	97.01	97.11	96.86	96.50	96.63	96.20	96.18	96.35	96.30	---	97.48	97.96
3	97.02	97.10	96.85	96.60	96.65	96.19	96.19	96.38	96.28	---	97.49	97.94
4	97.03	97.09	96.83	96.62	96.62	96.17	96.21	96.41	96.26	---	97.52	97.93
5	97.08	97.06	96.82	96.62	96.54	96.15	96.24	96.42	96.23	---	97.52	97.92
6	97.11	97.05	96.79	96.63	96.44	96.14	96.26	96.43	96.20	---	97.52	97.90
7	97.12	97.03	96.77	96.68	96.40	96.13	96.28	96.44	96.17	---	97.52	97.91
8	97.13	97.20	96.74	96.69	96.38	96.12	96.30	96.42	96.15	---	97.53	97.92
9	97.13	97.21	96.73	96.64	96.37	96.09	96.31	96.41	96.17	---	97.54	97.91
10	97.16	97.19	96.70	96.59	96.37	96.07	96.30	96.39	96.14	---	97.55	97.93
11	97.19	97.18	96.65	96.59	96.37	96.09	96.28	96.38	96.20	---	97.57	97.98
12	97.18	97.17	96.61	96.63	96.36	96.10	96.27	96.37	96.53	---	97.60	98.05
13	97.17	97.15	96.59	96.65	96.35	96.10	96.27	96.37	96.57	97.91	97.61	98.05
14	97.18	97.14	96.57	96.65	96.34	96.08	96.28	96.35	96.60	97.90	97.62	98.05
15	97.22	97.12	96.55	96.66	96.33	96.06	96.29	96.32	96.67	97.91	97.65	98.05
16	97.20	97.10	96.53	96.67	96.32	96.05	96.30	96.29	96.77	97.93	97.63	98.04
17	97.18	97.08	96.51	96.68	96.29	96.05	96.28	96.26	96.80	97.91	97.67	98.05
18	97.22	97.07	96.49	96.69	96.25	96.04	96.25	96.23	96.85	97.88	97.82	98.04
19	97.23	97.06	96.49	96.71	96.21	96.03	96.23	96.20	96.93	97.86	97.85	98.03
20	97.23	97.05	96.47	96.70	96.20	96.00	96.20	96.18	97.03	97.83	97.87	98.01
21	97.22	97.04	96.44	96.71	96.20	95.97	96.18	96.19	97.14	97.82	97.88	97.99
22	97.20	97.02	96.40	96.71	96.19	95.93	96.16	96.23	97.20	97.79	97.88	98.01
23	97.18	96.99	96.39	96.71	96.18	95.89	96.13	96.22	97.24	97.75	97.89	97.99
24	97.18	96.98	96.36	96.71	96.17	95.87	96.11	96.22	97.27	97.70	97.90	97.97
25	97.17	96.96	96.32	96.70	96.16	95.86	96.08	96.21	97.22	97.66	97.92	97.94
26	97.17	96.94	96.29	96.70	96.16	95.83	96.05	96.23	---	97.61	97.92	97.91
27	97.16	96.93	96.24	96.70	96.14	95.80	96.02	96.26	---	97.57	97.92	97.88
28	97.16	96.91	96.20	96.69	96.12	95.92	96.01	96.26	---	97.54	97.92	97.85
29	97.14	96.92	96.17	96.68	96.11	96.00	96.00	96.29	---	97.52	97.92	97.83
30	97.11	96.91	96.16	96.67	---	96.02	96.21	96.36	---	97.48	97.98	97.81
31	97.10	---	96.18	96.66	---	96.13	---	96.34	---	97.45	97.97	---
MEAN	97.15	97.06	96.54	96.65	96.33	96.04	96.20	96.31	---	---	97.71	97.96
MAX	97.23	97.21	96.89	96.71	96.65	96.20	96.31	96.44	---	---	97.98	98.05
MIN	96.99	96.91	96.16	96.32	96.11	95.80	96.00	96.18	---	---	97.44	97.81

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02266923 SWIM LAKE NEAR ALCOMA, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

[illegible]

SOUTHERN FLORIDA

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KISSIMMEE RIVER BASIN

02266923 SWIM LAKE NEAR ALCOMA, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)
OCT 1995 12...	0800	3.00	323	7.7	29.0	5.50	6.6	28	11	6.8
APR 1996 03...	1215	3.00	325	8.6	21.5	3.50	8.9	28	11	5.9
OCT 02...	1445	3.00	304	7.7	28.5	4.60	6.4	28	10	6.4

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)
OCT 1995 12...	15	54	12	1.2	0.040	6.00	0.020	0.33	0.010
APR 1996 03...	15	54	12	--	0.050	10.0	0.020	0.39	<0.010
OCT 02...	15	49	11	--	0.032	4.90	0.027	0.36	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L) AS AL (01106)	BORON, DIS- SOLVED (UG/L) AS B (01020)	IRON, DIS- SOLVED (UG/L) AS FE (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 1995 12...	92	70	<3.0	1.1	190	12	46	--	--
APR 1996 03...	--	68	--	--	210	--	49	-6.4	-1.20
OCT 02...	--	68	--	--	200	--	55	-6.5	-0.87

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269168 SADDLE BLANKET LAKE (WEST) NEAR FROSTPROOF, FL

LOCATION.--Lat 27°40'12", long 81°34'27", in NE $\frac{1}{4}$ sec.25, T.32 S., R.27 E., Polk County, Hydrologic Unit 03090101, on north shore of lake, 600 ft south of Avon Park Cutoff Road, 1.5 mi west of U.S. Highway 27, 4.6 mi southwest of Frostproof, and 5.2 mi northwest of Avon Park.

SURFACE AREA.--6 acres (0.01 mi²).

DRAINAGE AREA.--0.3 mi², approximately.

ELEVATION RECORDS

PERIOD OF RECORD.--November 1995 to January 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 113.53 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 119.67 ft, Nov. 8, 1995; minimum, 115.56 ft, Jan. 9, 13, 14, 15, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 116.84 ft, Oct. 8, 9; minimum, 115.56 ft, Jan. 9, 13, 14, 15.

ELEVATION (FEET NGVD), PERIOD NOVEMBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	119.41	119.16	119.14	118.76	118.61	118.08	117.79	117.81	117.42	116.92
2	---	---	119.40	119.30	119.12	118.82	118.59	118.06	117.76	117.79	117.41	116.89
3	---	---	119.39	119.39	119.18	118.81	118.56	118.03	117.73	117.76	117.39	116.86
4	---	---	119.38	119.39	119.17	118.79	118.53	118.01	117.70	117.75	117.37	116.84
5	---	119.61	119.37	119.38	119.14	118.76	118.51	117.98	117.68	117.77	117.35	116.82
6	---	119.60	119.36	119.37	119.12	118.74	118.49	117.95	117.65	117.79	117.33	116.81
7	---	119.59	119.34	119.38	119.10	118.73	118.48	117.93	117.62	117.79	117.31	116.80
8	---	119.64	119.33	119.36	119.08	118.73	118.46	117.90	117.63	117.78	117.33	116.79
9	---	119.65	119.32	119.34	119.07	118.69	118.46	117.87	117.69	117.77	117.35	116.80
10	---	119.64	119.31	119.33	119.05	118.66	118.44	117.84	117.69	117.77	117.33	116.86
11	---	119.63	119.28	119.33	119.04	118.69	118.41	117.81	117.69	117.78	117.32	116.93
12	---	119.63	119.26	119.35	119.02	118.70	118.38	117.78	117.74	117.80	117.31	116.99
13	---	119.61	119.24	119.35	119.00	118.68	118.36	117.86	117.73	117.86	117.29	116.98
14	---	119.61	119.23	119.34	118.98	118.66	118.34	117.83	117.71	117.85	117.28	116.95
15	---	119.58	119.22	119.33	118.98	118.64	118.32	117.79	117.69	117.83	117.27	116.93
16	---	119.57	119.21	119.32	118.99	118.63	118.31	117.76	117.68	117.81	117.25	116.91
17	---	119.55	119.20	119.31	118.96	118.61	118.28	117.73	117.68	117.79	117.23	116.88
18	---	119.54	119.18	119.30	118.93	118.60	118.25	117.70	117.66	117.76	117.21	116.86
19	---	119.54	119.18	119.31	118.91	118.57	118.23	117.67	117.64	117.73	117.18	116.83
20	---	119.53	119.16	119.30	118.89	118.54	118.21	117.64	117.65	117.71	117.15	116.80
21	---	119.52	119.14	119.28	118.89	118.51	118.18	117.65	117.72	117.68	117.13	116.78
22	---	119.51	119.12	119.27	118.88	118.49	118.15	117.68	117.78	117.66	117.10	116.77
23	---	119.49	119.11	119.26	118.86	118.47	118.13	117.66	117.82	117.63	117.07	116.75
24	---	119.48	119.09	119.25	118.85	118.45	118.10	117.65	117.81	117.61	117.05	116.72
25	---	119.47	119.07	119.23	118.83	118.43	118.08	117.68	117.80	117.58	117.03	116.70
26	---	119.45	119.05	119.22	118.82	118.41	118.05	117.66	117.78	117.55	117.01	116.67
27	---	119.44	119.04	119.21	118.80	118.39	118.03	117.64	117.78	117.52	116.99	116.65
28	---	119.43	119.03	119.19	118.79	118.53	118.00	117.62	117.79	117.49	116.97	116.63
29	---	119.43	119.01	119.17	118.77	118.56	117.98	117.60	117.80	117.45	116.95	116.61
30	---	119.43	119.00	119.16	---	118.56	118.04	117.70	117.83	117.42	116.93	116.59
31	---	---	119.04	119.15	---	118.59	---	117.77	---	117.41	116.92	---
MEAN	---	---	119.21	119.29	118.98	118.62	118.30	117.79	117.72	117.70	117.20	116.81
MAX	---	---	119.41	119.39	119.18	118.82	118.61	118.08	117.83	117.86	117.42	116.99
MIN	---	---	119.00	119.15	118.77	118.39	117.98	117.60	117.62	117.41	116.92	116.59

SOUTHERN FLORIDA

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KISSIMMEE RIVER BASIN

02269168 SADDLE BLANKET LAKE (WEST) NEAR FROSTPROOF, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116.57	116.55	116.06	115.70	---	---	---	---	---	---	---	---
2	116.56	116.53	116.11	115.69	---	---	---	---	---	---	---	---
3	116.54	116.51	116.09	115.67	---	---	---	---	---	---	---	---
4	116.53	116.48	116.07	115.65	---	---	---	---	---	---	---	---
5	116.55	116.46	116.05	115.64	---	---	---	---	---	---	---	---
6	116.58	116.45	116.04	115.62	---	---	---	---	---	---	---	---
7	116.64	116.44	116.04	115.61	---	---	---	---	---	---	---	---
8	116.79	116.42	116.08	115.59	---	---	---	---	---	---	---	---
9	116.83	116.40	116.06	115.59	---	---	---	---	---	---	---	---
10	116.82	116.37	116.03	115.64	---	---	---	---	---	---	---	---
11	116.80	116.35	116.02	115.61	---	---	---	---	---	---	---	---
12	116.78	116.33	116.00	115.59	---	---	---	---	---	---	---	---
13	116.76	116.30	115.99	115.57	---	---	---	---	---	---	---	---
14	116.74	116.29	115.98	115.57	---	---	---	---	---	---	---	---
15	116.73	116.27	115.96	115.56	---	---	---	---	---	---	---	---
16	116.73	116.25	115.94	---	---	---	---	---	---	---	---	---
17	116.77	116.24	115.93	---	---	---	---	---	---	---	---	---
18	116.77	116.23	115.91	---	---	---	---	---	---	---	---	---
19	116.76	116.21	115.90	---	---	---	---	---	---	---	---	---
20	116.73	116.20	115.87	---	---	---	---	---	---	---	---	---
21	116.71	116.18	115.85	---	---	---	---	---	---	---	---	---
22	116.69	116.17	115.83	---	---	---	---	---	---	---	---	---
23	116.68	116.14	115.82	---	---	---	---	---	---	---	---	---
24	116.66	116.12	115.81	---	---	---	---	---	---	---	---	---
25	116.65	116.10	115.80	---	---	---	---	---	---	---	---	---
26	116.64	116.13	115.78	---	---	---	---	---	---	---	---	---
27	116.63	116.13	115.77	---	---	---	---	---	---	---	---	---
28	116.62	116.10	115.76	---	---	---	---	---	---	---	---	---
29	116.60	116.08	115.74	---	---	---	---	---	---	---	---	---
30	116.59	116.07	115.73	---	---	---	---	---	---	---	---	---
31	116.57	---	115.72	---	---	---	---	---	---	---	---	---
MEAN	116.68	116.28	115.93	---	---	---	---	---	---	---	---	---
MAX	116.83	116.55	116.11	---	---	---	---	---	---	---	---	---
MIN	116.53	116.07	115.72	---	---	---	---	---	---	---	---	---

CAL YR 1996 MEAN 117.60 MAX 119.39 MIN 115.72

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269168 SADDLE BLANKET LAKE (WEST) NEAR FROSTPROOF, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH	TEMPERATURE (DEG C) (00010)	TRANSPAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM	MAGNESIUM,	SODIUM,
				WATER WHOLE FIELD (STANDARD ARD UNITS) (00400)		DIS- SOLVED (MG/L) AS CA (00915)		DIS- SOLVED (MG/L) AS MG (00925)	DIS- SOLVED (MG/L) AS NA (00930)	
OCT 1995 11...	1030	3.00	96	4.1	29.0	>3.20	5.8	1.1	0.90	6.8
APR 1996 02...	1630	3.00	104	4.3	24.0	3.00	10.3	1.4	1.1	6.5
OCT 02...	0930	3.00	117	4.1	28.5	>2.80	5.6	1.9	1.0	8.6
DATE	POTASSIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITROGEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)
OCT 1995 11...	0.30	9.6	13	1.2	<0.010	<0.020	<0.010	<0.20	<0.010	530
APR 1996 02...	0.50	13	14	--	<0.010	<0.020	0.010	<0.20	<0.010	--
OCT 02...	0.80	14	15	--	<0.010	<0.020	0.012	<0.20	<0.010	--
DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	STRONTIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, INORGANIC, DIS- SOLVED (MG/L AS C) (00691)	ALKALINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	
OCT 1995 11...	26	60	24	10	--	<0.1	-4.7	--	--	
APR 1996 02...	24	--	--	10	1.1	--	-2.2	5.6	1.73	
OCT 02...	27	--	--	20	--	--	-4.5	15.9	4.12	

KISSIMEE RIVER BASIN

02269172 LAKE OLIVIA AT AVON PARK, FL

LOCATION.--Lat 27°37'50", long 81°32'44", in NW¹/₄ sec.8, T.33 S., R.28 E., Highlands County, Hydrologic Unit 03090101, on southwest shore of lake at boat ramp near intersection Nautilus Drive and Huntington Road, and 2.0 mi northeast of Avon Park.

SURFACE AREA.--86 acres (0.13 mi²).

DRAINAGE AREA.--0.82 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to January 1997 (discontinued). Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 109.87 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 116.67 ft, Nov. 8, 9, 1995; minimum, 113.50 ft, Jan. 9, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 114.58 ft, Oct. 18; minimum, 113.50 ft, Jan. 9.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116.14	116.55	116.42	116.09	116.05	115.65	115.42	114.90	114.69	114.86	114.62	114.38
2	116.14	116.55	116.41	116.17	116.04	115.68	115.40	114.87	114.67	114.84	114.60	114.36
3	116.15	116.55	116.40	116.30	116.08	115.66	115.37	114.85	114.65	114.83	114.58	114.34
4	116.15	116.54	116.40	116.30	116.07	115.63	115.36	114.83	114.63	114.84	114.56	114.31
5	116.17	116.52	116.38	116.30	116.03	115.61	115.34	114.81	114.61	114.86	114.54	114.31
6	116.22	116.51	116.37	116.29	116.00	115.60	115.33	114.79	114.59	114.86	114.52	114.31
7	116.22	116.50	116.36	116.30	115.98	115.59	115.32	114.76	114.57	114.86	114.50	114.29
8	116.21	116.63	116.35	116.28	115.96	115.58	115.31	114.73	114.56	114.85	114.56	114.28
9	116.20	116.65	116.34	116.26	115.95	115.55	115.30	114.70	114.56	114.84	114.63	114.31
10	116.26	116.64	116.32	116.24	115.94	115.51	115.28	114.67	114.56	114.86	114.61	114.39
11	116.36	116.63	116.29	116.23	115.93	115.53	115.25	114.64	114.58	114.91	114.60	114.44
12	116.36	116.63	116.27	116.25	115.91	115.53	115.23	114.65	114.70	114.93	114.58	114.48
13	116.36	116.61	116.25	116.25	115.89	115.52	115.21	114.72	114.69	114.99	114.57	114.47
14	116.36	116.60	116.24	116.24	115.87	115.51	115.20	114.70	114.68	114.98	114.57	114.45
15	116.38	116.58	116.23	116.23	115.86	115.49	115.19	114.67	114.66	114.97	114.57	114.44
16	116.36	116.56	116.22	116.22	115.87	115.48	115.18	114.64	114.67	114.96	114.57	114.42
17	116.35	116.55	116.22	116.21	115.83	115.47	115.16	114.61	114.69	114.95	114.58	114.41
18	116.40	116.53	116.20	116.21	115.81	115.46	115.13	114.58	114.68	114.93	114.56	114.40
19	116.56	116.52	116.19	116.21	115.79	115.44	115.11	114.56	114.66	114.91	114.54	114.39
20	116.57	116.52	116.18	116.19	115.78	115.41	115.08	114.53	114.67	114.90	114.51	114.37
21	116.57	116.51	116.15	116.18	115.77	115.39	115.06	114.54	114.76	114.88	114.49	114.35
22	116.55	116.50	116.13	116.17	115.77	115.36	115.04	114.58	114.80	114.87	114.46	114.38
23	116.55	116.48	116.11	116.16	115.75	115.33	115.02	114.56	114.83	114.85	114.44	114.37
24	116.55	116.47	116.08	116.15	115.74	115.31	115.00	114.58	114.84	114.82	114.42	114.35
25	116.54	116.46	116.06	116.14	115.72	115.30	114.97	114.65	114.84	114.80	114.41	114.33
26	116.54	116.45	116.04	116.12	115.71	115.28	114.95	114.65	114.83	114.78	114.39	114.31
27	116.53	116.44	116.02	116.11	115.70	115.27	114.93	114.64	114.83	114.75	114.37	114.29
28	116.53	116.44	116.00	116.10	115.68	115.36	114.90	114.63	114.85	114.72	114.37	114.27
29	116.51	116.44	115.98	116.08	115.66	115.39	114.87	114.64	114.86	114.69	114.38	114.28
30	116.49	116.43	115.97	116.07	---	115.38	114.89	114.68	114.87	114.66	114.36	114.27
31	116.49	---	116.02	116.06	---	115.41	---	114.69	---	114.64	114.36	---
MEAN	116.38	116.53	116.21	116.20	115.87	115.47	115.16	114.68	114.70	114.85	114.51	114.36
MAX	116.57	116.65	116.42	116.30	116.08	115.68	115.42	114.90	114.87	114.99	114.63	114.48
MIN	116.14	116.43	115.97	116.06	115.66	115.27	114.87	114.53	114.56	114.64	114.36	114.27

WTR YR 1996 MEAN 115.41 MAX 116.65 MIN 114.27

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269172 LAKE OLIVIA AT AVON PARK, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114.25	114.40	113.89	113.62	---	---	---	---	---	---	---	---
2	114.24	114.39	113.94	113.61	---	---	---	---	---	---	---	---
3	114.23	114.36	113.93	113.59	---	---	---	---	---	---	---	---
4	114.22	114.33	113.91	113.58	---	---	---	---	---	---	---	---
5	114.23	114.32	113.89	113.57	---	---	---	---	---	---	---	---
6	114.24	114.31	113.89	113.56	---	---	---	---	---	---	---	---
7	114.29	114.31	113.89	113.54	---	---	---	---	---	---	---	---
8	114.51	114.29	113.93	113.53	---	---	---	---	---	---	---	---
9	114.57	114.27	113.91	113.53	---	---	---	---	---	---	---	---
10	114.57	114.23	113.89	113.59	---	---	---	---	---	---	---	---
11	114.56	114.21	113.87	113.57	---	---	---	---	---	---	---	---
12	114.55	114.18	113.86	113.55	---	---	---	---	---	---	---	---
13	114.54	114.15	113.85	113.53	---	---	---	---	---	---	---	---
14	114.53	114.13	113.85	113.53	---	---	---	---	---	---	---	---
15	114.52	114.12	113.83	113.52	---	---	---	---	---	---	---	---
16	114.52	114.10	113.82	---	---	---	---	---	---	---	---	---
17	114.55	114.08	113.81	---	---	---	---	---	---	---	---	---
18	114.56	114.07	113.79	---	---	---	---	---	---	---	---	---
19	114.55	114.06	113.78	---	---	---	---	---	---	---	---	---
20	114.53	114.05	113.74	---	---	---	---	---	---	---	---	---
21	114.52	114.03	113.72	---	---	---	---	---	---	---	---	---
22	114.51	114.02	113.70	---	---	---	---	---	---	---	---	---
23	114.50	114.00	113.69	---	---	---	---	---	---	---	---	---
24	114.49	113.98	113.68	---	---	---	---	---	---	---	---	---
25	114.48	113.96	113.67	---	---	---	---	---	---	---	---	---
26	114.47	113.96	113.66	---	---	---	---	---	---	---	---	---
27	114.46	113.95	113.66	---	---	---	---	---	---	---	---	---
28	114.45	113.93	113.65	---	---	---	---	---	---	---	---	---
29	114.44	113.91	113.64	---	---	---	---	---	---	---	---	---
30	114.43	113.89	113.64	---	---	---	---	---	---	---	---	---
31	114.42	---	113.63	---	---	---	---	---	---	---	---	---
MEAN	114.45	114.13	113.79	---	---	---	---	---	---	---	---	---
MAX	114.57	114.40	113.94	---	---	---	---	---	---	---	---	---
MIN	114.22	113.89	113.63	---	---	---	---	---	---	---	---	---

CAL YR 1996 MEAN 114.85 MAX 116.30 MIN 113.63

SOUTHERN FLORIDA

355

KISSIMMEE RIVER BASIN

02269172 LAKE OLIVIA AT AVON PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)
OCT 1995 11...	1230	3.00	77	7.0	29.0	3.00	7.5	3.6	1.9	5.7
APR 1996 02...	1330	3.00	81	8.6	22.0	3.00	10.4	4.2	2.0	5.8
OCT 01...	1230	3.00	85	6.9	28.0	3.10	6.6	4.3	2.0	6.7

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL (01106)
OCT 1995 11...	1.6	12	8.3	0.60	<0.010	<0.020	0.010	0.35	0.010	22
APR 1996 02...	1.9	13	8.6	--	<0.010	0.050	0.020	0.34	<0.010	--
OCT 01...	1.8	13	8.9	--	<0.010	<0.020	<0.010	0.37	<0.010	--

DATE	BORON, DIS- SOLVED (UG/L) AS B (01020)	IRON, DIS- SOLVED (UG/L) AS FE (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C (00681)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 1995 11...	28	4.0	1.2	20	--	1.2	6.5	--	--
APR 1996 02...	27	--	--	20	5.7	--	5.8	0.3	0.06
OCT 01...	26	--	--	20	--	--	8.4	5.3	0.86

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269184 LAKE ISIS AT AVON PARK, FL

LOCATION.--Lat 27°36'35", long 81°30'34", in SW¹/₄ sec.1, T.33 S., R.28 E., Highlands County, Hydrologic Unit 03090101, on southwest shore of lake at Lake Isis Avenue, 0.3 mi east of U.S. Highway 27 in Avon Park.

SURFACE AREA.--50 acres (0.08 mi²).

DRAINAGE AREA.--0.82 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to January 1997 (incomplete), discontinued. Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 105.70 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake receives stormwater inflow through 4 ft pipe draining 1 mile length of U.S. Highway 27, and is pumped for residential lawn watering. Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 112.54 ft, Nov. 8, 1995; minimum, 107.26 ft, Jan. 9, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 108.95 ft, Oct. 8; minimum, 107.26 ft, Jan. 9.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111.57	112.32	112.31	111.76	111.55	110.91	110.68	---	109.65	109.57	109.04	108.75
2	111.63	112.32	112.30	111.83	111.53	110.94	110.65	---	109.62	109.55	109.07	108.73
3	111.68	112.33	112.29	112.00	111.57	110.92	110.63	---	109.59	109.53	109.04	108.71
4	111.72	112.32	112.28	112.00	111.57	110.89	110.60	---	109.56	109.52	109.01	108.68
5	111.79	112.31	112.27	111.98	111.52	110.86	110.59	---	109.53	109.54	108.99	108.66
6	111.84	112.31	112.26	111.96	111.48	110.84	110.57	---	109.50	109.54	108.96	108.64
7	111.85	112.30	112.25	111.96	---	110.83	110.55	---	109.48	109.53	108.94	108.61
8	111.86	112.47	112.23	111.93	---	110.81	110.55	---	109.45	109.52	108.97	108.61
9	111.88	112.52	112.21	111.90	---	110.76	110.54	---	109.43	109.51	109.01	108.77
10	111.95	112.50	112.19	111.86	---	110.72	110.51	---	109.42	109.51	108.99	108.96
11	112.06	112.50	112.15	111.83	---	110.74	110.49	---	109.46	109.50	108.97	108.98
12	112.06	112.50	112.12	111.84	111.33	110.75	110.47	109.74	109.50	109.51	108.94	108.97
13	112.07	112.48	112.10	111.84	111.30	110.73	110.47	109.76	109.48	109.53	108.92	108.95
14	112.08	112.48	112.09	111.81	111.27	110.71	110.45	109.73	109.46	109.51	108.93	108.94
15	112.12	112.46	112.07	111.80	111.25	110.70	110.44	109.69	109.43	109.50	108.96	108.92
16	112.11	112.44	112.06	111.78	111.25	110.68	110.46	109.65	109.42	109.48	109.00	108.90
17	112.11	112.44	112.04	111.77	111.21	110.66	110.42	109.61	109.41	109.46	109.03	108.89
18	112.14	112.43	112.03	111.76	111.18	110.65	110.39	109.57	109.39	109.43	109.01	108.87
19	112.25	112.42	112.01	111.75	111.15	110.63	110.37	109.53	109.37	109.41	108.98	108.85
20	112.25	112.42	111.99	111.74	111.12	110.60	110.34	109.49	109.38	109.39	108.96	108.83
21	112.25	112.42	111.95	111.72	111.10	110.56	110.31	109.50	109.51	109.37	108.93	108.81
22	112.24	112.40	111.92	111.70	111.09	110.53	110.29	109.55	109.58	109.35	108.89	108.83
23	112.24	112.38	111.89	111.69	111.07	110.51	110.25	109.56	109.61	109.32	108.86	108.82
24	112.24	112.37	111.86	111.68	111.04	110.48	110.22	109.53	109.62	109.28	108.85	108.80
25	112.24	112.36	111.83	111.66	111.02	110.45	110.18	109.54	109.62	109.24	108.85	108.77
26	112.25	112.35	111.79	111.64	111.00	110.43	110.15	109.54	109.61	109.21	108.83	108.74
27	112.25	112.34	111.76	111.63	110.98	110.41	110.12	109.53	109.60	109.17	108.81	108.72
28	112.25	112.34	111.73	111.61	110.95	110.53	---	109.51	109.60	109.13	108.78	108.69
29	112.23	112.34	111.70	111.60	110.93	110.57	---	109.57	109.60	109.09	108.76	108.67
30	112.22	112.33	111.68	111.58	---	110.55	---	109.68	109.59	109.06	108.75	108.67
31	112.22	---	111.70	111.56	---	110.60	---	109.68	---	109.03	108.75	---
MEAN	112.05	112.40	112.03	111.78	---	110.68	---	---	109.52	109.40	108.93	108.79
MAX	112.25	112.52	112.31	112.00	---	110.94	---	---	109.65	109.57	109.07	108.98
MIN	111.57	112.30	111.68	111.56	---	110.41	---	---	109.37	109.03	108.75	108.61

02269184 LAKE ISIS AT AVON PARK, FL--Continued

[illegible]

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02269184 LAKE ISIS AT AVON PARK, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
OCT 1995 11...	1630	3.00	216	7.5	30.0	5.20	7.2	14	9.3	5.3
APR 1996 03...	1000	3.00	207	6.7	21.5	6.70	8.9	14	9.4	5.1
OCT 01...	1630	3.00	216	7.7	29.0	3.70	7.3	14	10	5.4

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 1995 11...	6.4	41	14	0.60	0.020	2.90	0.010	<0.20	<0.010
APR 1996 03...	7.0	42	14	--	0.020	3.50	0.020	0.20	<0.010
OCT 01...	6.5	43	14	--	0.021	3.00	<0.010	<0.20	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L AS C) (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE RATIO PER MIL (82082)	O-18 / O-16 STABLE RATIO PER MIL (82085)
OCT 1995 11...	38	45	<3.0	0.30	70	4.5	17	--	--
APR 1996 03...	--	44	--	--	80	--	14	-4.2	-1.01
OCT 01...	--	44	--	--	80	--	18	-5.4	-0.54

02269200 CROOKED LAKE NEAR BABSON PARK, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 116.06 ft, Oct. 8; minimum observed, 114.07 ft, June 25.

[illegible]

02269300 LAKE CLINCH AT FROSTPROOF, FL

DRAINAGE AREA.--42.0 mi².

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, 110.2 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, 105.30 ft, Oct. 8; minimum observed, 103.28 ft, July 8.

[illegible]

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02269790 LAKE LOTELA NEAR AVON PARK, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 104.76 ft, Oct. 29; minimum observed, 101.85 ft, May 23.

[illegible]

02270550 LAKE JACKSON AT SEBRING, FL

DRAINAGE AREA.--14.0 mi².

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.

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, 101.02 ft, Oct. 29; minimum observed, 99.78 ft, May 23.

[illegible]

02270650 LAKE JOSEPHINE NEAR DE SOTO CITY, FL

DRAINAGE AREA.--46.3 mi².

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.

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, 71.70 ft, Aug. 14; minimum observed, 71.06 ft, Mar. 25.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

[illegible]

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02270700 LAKE ANNIE NEAR LAKE PLACID, FL

LOCATION.--Lat 27°12'35", long 81°20'57", in SW 1/4 sec.32, T.37 S., R.30 E., Highlands County, Hydrologic Unit 03090101, on north shore of lake, on private dock, 500 ft south of State Highway 70, and 6.0 mi south of town of Lake Placid.

SURFACE AREA.--92 acres (0.14 mi²).

DRAINAGE AREA.--0.29 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--August 1951 to August 1978 (fragmentary); September 1995 to January 1997 (discontinued). Records of elevations September 1995 and prior to October 1960 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.17 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD. Prior to Sept. 1, 1978, nonrecording gage at datum 0.09 ft lower.

REMARKS.--Outflow occurs through a natural stream on north shore to Lake Placid, and intermittent inflow occurs through shallow dredged channels on south shore. Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 115.10 ft, Oct. 2, 1951, from floodmark; minimum observed, 109.51 ft, May 19, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 110.20 ft, Oct. 17, 18; minimum, 109.87 ft, Dec. 1, 22, Jan. 9.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110.56	110.60	110.20	110.16	110.14	110.05	110.32	110.04	110.43	110.31	110.19	110.13
2	110.55	110.59	110.19	110.20	110.13	110.09	110.29	110.03	110.39	110.29	110.28	110.11
3	110.54	110.57	110.19	110.29	110.19	110.10	110.27	110.04	110.36	110.27	110.28	110.10
4	110.53	110.54	110.19	110.29	110.20	110.09	110.25	110.06	110.33	110.25	110.28	110.10
5	110.59	110.50	110.19	110.28	110.16	110.08	110.24	110.05	110.30	110.27	110.26	110.10
6	110.67	110.48	110.19	110.27	110.14	110.08	110.23	110.04	110.27	110.27	110.25	110.14
7	110.69	110.45	110.19	110.27	110.13	110.08	110.22	110.03	110.25	110.26	110.26	110.15
8	110.72	110.45	110.18	110.25	110.13	110.07	110.21	110.01	110.23	110.26	110.33	110.14
9	110.72	110.41	110.18	110.23	110.13	110.04	110.21	110.00	110.26	110.31	110.33	110.13
10	110.71	110.38	110.18	110.22	110.13	110.03	110.19	109.99	110.32	110.40	110.33	110.13
11	110.69	110.37	110.16	110.21	110.12	110.06	110.16	109.99	110.33	110.40	110.31	110.14
12	110.66	110.35	110.14	110.22	110.11	110.07	110.15	109.99	110.32	110.39	110.29	110.14
13	110.62	110.32	110.14	110.21	110.10	110.06	110.14	110.00	110.31	110.44	110.27	110.13
14	110.60	110.30	110.14	110.20	110.09	110.06	110.13	109.99	110.28	110.54	110.26	110.11
15	110.64	110.28	110.15	110.20	110.08	110.06	110.13	109.98	110.29	110.54	110.25	110.10
16	110.61	110.26	110.15	110.19	110.12	110.06	110.13	109.97	110.39	110.53	110.31	110.09
17	110.69	110.25	110.15	110.19	110.10	110.05	110.11	109.96	110.38	110.50	110.29	110.09
18	110.89	110.24	110.15	110.19	110.09	110.05	110.10	109.95	110.36	110.47	110.27	110.08
19	110.96	110.23	110.15	110.19	110.09	110.06	110.09	109.94	110.35	110.43	110.25	110.07
20	110.98	110.23	110.15	110.18	110.09	110.05	110.08	109.95	110.38	110.40	110.24	110.05
21	110.96	110.23	110.14	110.18	110.08	110.04	110.07	110.02	110.49	110.38	110.22	110.04
22	110.92	110.21	110.13	110.18	110.08	110.03	110.06	110.09	110.52	110.38	110.20	110.04
23	110.87	110.21	110.13	110.17	110.08	110.03	110.05	110.09	110.54	110.35	110.18	110.03
24	110.83	110.20	110.12	110.17	110.08	110.03	110.04	110.08	110.52	110.32	110.17	110.02
25	110.79	110.20	110.11	110.16	110.07	110.03	110.05	110.08	110.50	110.30	110.17	110.01
26	110.75	110.19	110.10	110.15	110.07	110.03	110.04	110.11	110.46	110.27	110.16	110.00
27	110.72	110.19	110.10	110.15	110.07	110.04	110.03	110.28	110.43	110.24	110.17	109.99
28	110.68	110.19	110.10	110.14	110.06	110.16	110.02	110.36	110.40	110.21	110.16	109.99
29	110.63	110.20	110.09	110.14	110.05	110.30	110.02	110.38	110.38	110.19	110.16	110.00
30	110.58	110.20	110.10	110.14	---	110.30	110.03	110.48	110.34	110.17	110.15	110.00
31	110.57	---	110.12	110.14	---	110.31	---	110.46	---	110.16	110.14	---
MEAN	110.71	110.33	110.15	110.20	110.11	110.08	110.14	110.08	110.37	110.34	110.24	110.08
MAX	110.98	110.60	110.20	110.29	110.20	110.31	110.32	110.48	110.54	110.54	110.33	110.15
MIN	110.53	110.19	110.09	110.14	110.05	110.03	110.02	109.94	110.23	110.16	110.14	109.99

WTR YR 1996 MEAN 110.24 MAX 110.98 MIN 109.94

SOUTHERN FLORIDA

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KISSIMMEE RIVER BASIN

02270700 LAKE ANNIE NEAR LAKE PLACID, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109.99	110.05	109.88	109.90	---	---	---	---	---	---	---	---
2	110.00	110.05	109.89	109.90	---	---	---	---	---	---	---	---
3	109.99	110.03	109.89	109.90	---	---	---	---	---	---	---	---
4	109.99	110.01	109.89	109.90	---	---	---	---	---	---	---	---
5	109.99	110.00	109.88	109.90	---	---	---	---	---	---	---	---
6	110.02	110.00	109.89	109.89	---	---	---	---	---	---	---	---
7	110.09	110.00	109.92	109.89	---	---	---	---	---	---	---	---
8	110.14	110.00	110.02	109.89	---	---	---	---	---	---	---	---
9	110.15	109.97	110.00	109.89	---	---	---	---	---	---	---	---
10	110.14	109.95	109.98	109.93	---	---	---	---	---	---	---	---
11	110.12	109.93	109.98	109.93	---	---	---	---	---	---	---	---
12	110.10	109.91	109.98	109.92	---	---	---	---	---	---	---	---
13	110.10	109.90	109.97	109.91	---	---	---	---	---	---	---	---
14	110.09	109.89	109.97	109.94	---	---	---	---	---	---	---	---
15	110.09	109.89	109.96	---	---	---	---	---	---	---	---	---
16	110.11	109.88	109.95	---	---	---	---	---	---	---	---	---
17	110.17	109.88	109.95	---	---	---	---	---	---	---	---	---
18	110.19	109.89	109.94	---	---	---	---	---	---	---	---	---
19	110.18	109.89	109.93	---	---	---	---	---	---	---	---	---
20	110.16	109.90	109.90	---	---	---	---	---	---	---	---	---
21	110.15	109.90	109.88	---	---	---	---	---	---	---	---	---
22	110.14	109.90	109.88	---	---	---	---	---	---	---	---	---
23	110.12	109.89	109.88	---	---	---	---	---	---	---	---	---
24	110.12	109.89	109.88	---	---	---	---	---	---	---	---	---
25	110.11	109.88	109.89	---	---	---	---	---	---	---	---	---
26	110.10	109.90	109.89	---	---	---	---	---	---	---	---	---
27	110.09	109.90	109.89	---	---	---	---	---	---	---	---	---
28	110.08	109.89	109.90	---	---	---	---	---	---	---	---	---
29	110.07	109.88	109.90	---	---	---	---	---	---	---	---	---
30	110.07	109.88	109.90	---	---	---	---	---	---	---	---	---
31	110.06	---	109.90	---	---	---	---	---	---	---	---	---
MEAN	110.09	109.93	109.92	---	---	---	---	---	---	---	---	---
MAX	110.19	110.05	110.02	---	---	---	---	---	---	---	---	---
MIN	109.99	109.88	109.88	---	---	---	---	---	---	---	---	---

CAL YR 1996 MEAN 110.13 MAX 110.54 MIN 109.88

SOUTHERN FLORIDA

KISSIMMEE RIVER BASIN

02270700 LAKE ANNIE NEAR LAKE PLACID, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD NOVEMBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (000400)	TEMPER- ATURE WATER (DEG C) (000010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (000078)	OXYGEN, DIS- SOLVED (MG/L) (000300)	CALCIUM DIS- SOLVED (MG/L) (000915)	MAGNE- SIUM, DIS- SOLVED (MG/L) (000925)	SODIUM, DIS- SOLVED (MG/L) (000930)
NOV 1995 27...	1400	3.00	44	5.6	21.0	3.40	7.4	1.8	0.70	3.6
APR 1996 08...	1145	3.00	44	5.7	21.0	2.90	7.0	1.7	0.70	3.5
OCT 15...	1215	3.00	43	5.5	25.0	4.00	7.3	1.5	0.70	3.7

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (000935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (000945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (000940)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (000955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (000613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (000631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (000608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (000623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (000671)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)
NOV 1995 27...	0.70	5.7	6.6	1.6	<0.010	<0.020	0.100	<0.20	<0.010	85
APR 1996 08...	0.70	5.5	7.0	--	<0.010	0.030	0.130	0.30	<0.010	--
OCT 15...	0.60	5.1	7.0	--	<0.010	<0.020	<0.010	<0.20	<0.010	--

DATE	BORON, DIS- SOLVED (UG/L) AS B) (01020)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (000681)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C) (000691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-13 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
NOV 1995 27...	14	50	1.7	10	--	0.5	0.3	--	--
APR 1996 08...	15	--	--	6.0	5.1	--	0	-4.9	-0.96
OCT 15...	16	--	--	9.0	--	--	-1.3	-3.2	-0.64

KISSIMMEE RIVER BASIN

02270750 LAKE PLACID NEAR LAKE PLACID, FL

LOCATION.--Lat 27°15'37", long 81°22'22", in NE¹/₄ 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 mi²).

DRAINAGE AREA.--20.2 mi².

PERIOD OF RECORD (corrected).--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, 92.60 ft, Oct. 10; minimum observed, 90.80 ft, Apr. 8.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	90.96	---	---	---
2	---	---	91.82	---	91.36	91.26	---	---	---	---	---	---
3	92.56	---	---	91.54	---	---	90.88	90.94	90.94	91.24	91.26	91.40
4	---	92.30	---	---	---	---	---	---	---	---	---	---
5	92.56	---	91.80	---	91.34	91.24	90.84	---	---	---	---	---
6	---	---	---	91.54	---	---	---	90.90	91.00	91.34	91.34	91.36
7	---	---	---	---	91.40	91.20	---	---	---	---	---	---
8	92.58	92.26	91.80	---	---	---	90.80	---	---	---	---	---
9	---	---	---	---	---	---	---	90.86	---	91.32	---	91.30
10	92.60	92.14	---	---	91.38	91.12	---	---	90.98	---	---	---
11	---	---	91.80	---	---	---	---	---	---	---	91.52	---
12	---	---	---	91.52	---	---	90.84	90.96	---	91.30	---	---
13	92.54	---	---	---	91.38	---	90.86	---	91.14	---	---	91.40
14	---	92.08	91.76	---	---	91.10	---	---	---	91.28	91.54	91.48
15	92.50	---	---	91.52	---	---	---	90.98	---	---	---	---
16	---	---	---	---	91.38	---	90.90	---	91.28	---	---	---
17	---	92.00	91.70	91.50	---	91.08	---	---	---	91.26	---	91.46
18	92.54	---	---	---	---	---	---	90.96	---	---	---	---
19	---	91.98	---	91.46	91.36	---	90.86	---	91.30	---	---	---
20	92.52	---	---	---	---	---	---	---	---	---	91.60	91.42
21	---	---	91.62	---	---	91.08	90.88	---	---	---	---	---
22	---	---	---	91.44	91.34	---	---	90.96	91.28	---	---	---
23	92.48	---	---	---	---	91.04	---	---	---	---	91.58	---
24	---	---	91.60	91.40	---	---	90.90	---	---	---	---	---
25	---	91.90	91.58	---	91.32	---	---	---	---	---	---	91.52
26	92.44	---	---	---	---	91.00	---	90.94	91.28	---	91.54	---
27	---	---	---	91.38	---	---	---	---	---	91.22	---	91.80
28	92.42	---	91.60	---	91.30	90.98	91.00	---	---	---	91.50	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	91.86	---	---	---	---	90.98	90.92	91.24	---	---	91.92
31	92.38	---	91.58	91.36	---	90.98	---	---	---	91.30	91.42	---

KISSIMMEE RIVER BASIN

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 mi²).

DRAINAGE AREA.--44.0 mi².

PERIOD OF RECORD.--April 1945 to December 1952 (weekly); January 1953 to January 1968; February 1968 to August 1980 (weekly); August 1980 to current year. 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.--Water-stage recorder. 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.

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, 74.31 ft, Oct. 7, 8; minimum observed, 73.21 ft, Apr. 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.22	74.10	73.73	73.61	73.57	73.54	73.34	73.47	73.47	73.55	73.80	73.94
2	74.21	74.08	73.74	73.60	73.57	73.53	73.32	73.47	73.53	73.59	73.83	73.94
3	74.20	74.06	73.73	73.60	73.57	73.51	73.30	73.47	73.52	73.61	73.83	73.92
4	74.19	74.04	73.72	73.60	73.57	73.51	73.28	73.46	73.51	73.60	73.84	73.92
5	74.20	74.03	73.71	73.60	73.57	73.50	73.27	73.45	73.50	73.62	73.83	73.90
6	74.21	74.02	73.71	73.59	73.58	73.48	73.25	73.42	73.48	73.67	73.83	73.87
7	74.26	74.02	73.72	73.59	73.59	73.47	73.24	73.41	73.47	73.67	73.87	73.84
8	74.28	74.01	73.74	73.59	73.59	73.44	73.24	73.39	73.46	73.66	73.90	73.82
9	74.29	73.97	73.72	73.58	73.58	73.43	73.23	73.37	73.46	73.64	73.99	73.81
10	74.28	73.93	73.71	73.62	73.57	73.41	73.23	73.36	73.47	73.63	74.01	73.79
11	74.26	73.91	73.71	73.61	73.56	73.40	73.21	73.35	73.48	73.62	74.07	73.79
12	74.24	73.88	73.71	73.60	73.55	73.39	73.27	73.44	73.49	73.61	74.08	73.80
13	74.22	73.86	73.71	73.59	73.55	73.44	73.28	73.52	73.51	73.60	74.07	73.82
14	74.21	73.85	73.70	73.61	73.55	73.48	73.29	73.51	73.55	73.60	74.07	73.82
15	74.21	73.85	73.69	73.62	73.57	73.49	73.34	73.50	73.59	73.61	74.08	73.82
16	74.20	73.84	73.69	73.62	73.59	73.48	73.35	73.49	73.58	73.60	74.10	73.82
17	74.22	73.82	73.68	73.60	73.59	73.47	73.34	73.49	73.58	73.59	74.10	73.82
18	74.23	73.82	73.68	73.57	73.59	73.45	73.31	73.50	73.58	73.57	74.09	73.80
19	74.21	73.82	73.65	73.55	73.59	73.43	73.30	73.50	73.57	73.56	74.08	73.80
20	74.19	73.81	73.62	73.54	73.59	73.43	73.28	73.51	73.55	73.55	74.07	73.79
21	74.18	73.81	73.60	73.54	73.59	73.43	73.28	73.50	73.56	73.54	74.07	73.78
22	74.17	73.80	73.60	73.54	73.58	73.42	73.27	73.51	73.54	73.56	74.08	73.76
23	74.16	73.79	73.60	73.53	73.57	73.41	73.30	73.55	73.55	73.58	74.07	73.75
24	74.16	73.78	73.60	73.54	73.56	73.41	73.37	73.54	73.58	73.57	74.07	73.77
25	74.16	73.78	73.60	73.53	73.56	73.42	73.38	73.51	73.56	73.57	74.06	73.80
26	74.15	73.77	73.60	73.54	73.56	73.38	73.40	73.50	73.61	73.63	74.04	73.80
27	74.14	73.76	73.60	73.53	73.55	73.38	73.44	73.48	73.60	73.62	74.01	73.96
28	74.13	73.75	73.60	73.53	73.55	73.37	73.47	73.48	73.58	73.65	73.99	74.11
29	74.12	73.74	73.61	73.54	---	73.38	73.50	73.47	73.59	73.70	73.97	74.12
30	74.11	73.74	73.61	73.59	---	73.40	73.50	73.45	73.59	73.81	73.99	74.14
31	74.11	---	73.61	73.58	---	73.37	---	73.44	---	73.80	73.96	---
MEAN	74.20	73.88	73.67	73.58	73.57	73.44	73.32	73.47	73.54	73.62	74.00	73.86
MAX	74.29	74.10	73.74	73.62	73.59	73.54	73.50	73.55	73.61	73.81	74.10	74.14
MIN	74.11	73.74	73.60	73.53	73.55	73.37	73.21	73.35	73.46	73.54	73.80	73.75

CAL YR 1996 MEAN 74.26 MAX 75.09 MIN 73.60
WTR YR 1997 MEAN 73.68 MAX 74.29 MIN 73.21

WATER RESOURCES DATA FOR FLORIDA, 1997
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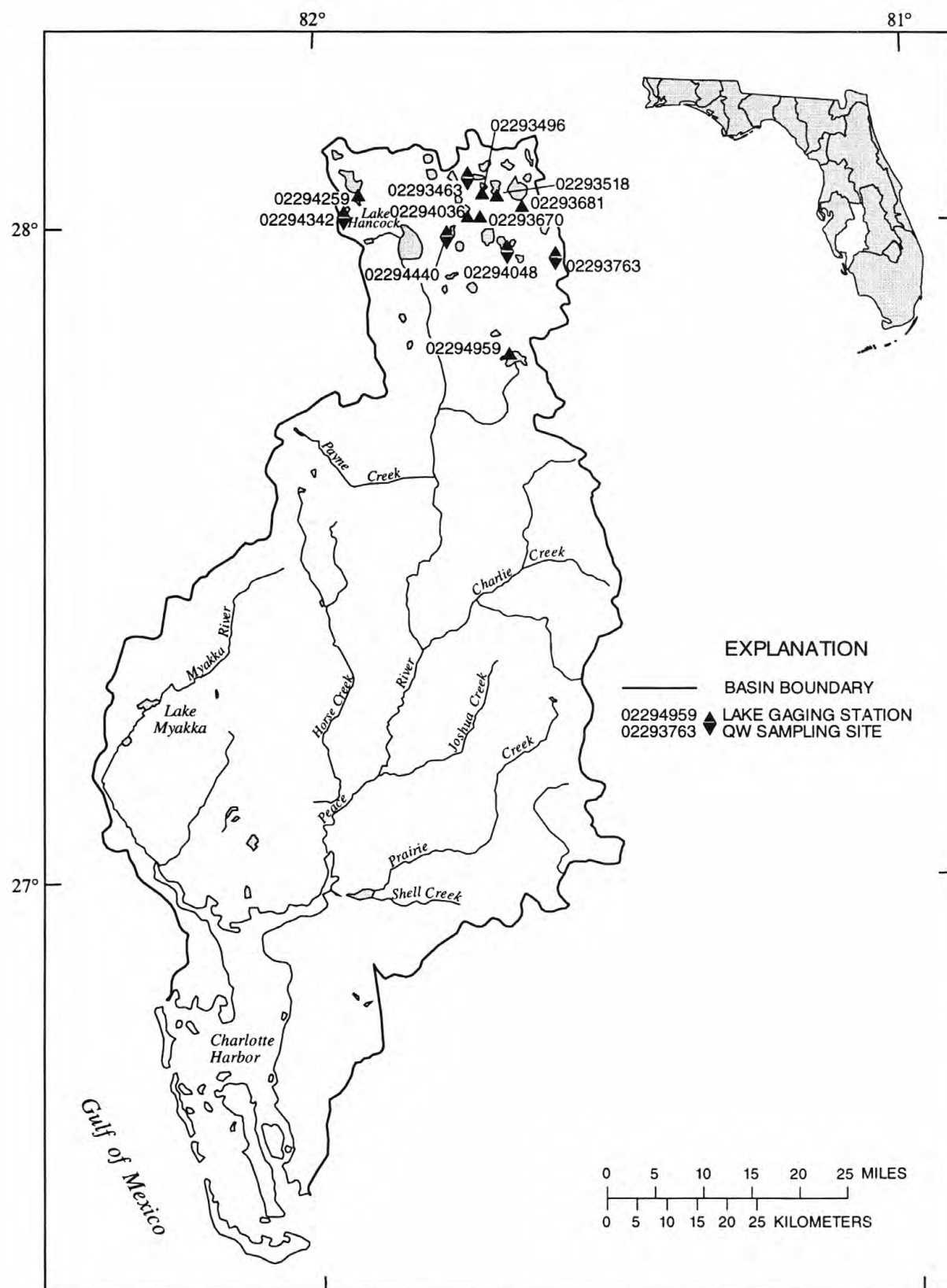


Figure 18.--Location of lake gaging stations in the Peace and Myakka River basins, Charlotte Harbor and Coastal area.

PEACE RIVER BASIN

02293463 LAKE GEORGE AT LAKE ALFRED, FL

LOCATION.--Lat 28°04'38", long 81°44'34", in NW¹/₄ sec.5, T.28 S., R.26 E., Polk County, Hydrologic Unit 03100101, on northeast shore of lake on Lake George Road, 0.4 mi west of town of Lake Alfred, 0.6 mi west of U.S. Highway 17-92, and 2.0 mi north of Winter Haven.

SURFACE AREA.--59 acres (0.09 mi²).

DRAINAGE AREA.--0.29 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to January 1997 (discontinued). Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Outflow occurs through a 10-inch pipe into a stream on southeast shore of lake. Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 130.63 ft, Sept. 8, 9, 1995; minimum, 129.71 ft, June 10, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 130.57 ft, Oct. 8; minimum, 130.16 ft, Nov. 25, 26, 29, 30, Dec. 1.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130.40	130.36	130.18	130.15	130.20	130.19	130.36	130.06	129.86	130.17	130.00	130.26
2	130.42	130.36	130.17	130.44	130.20	130.30	130.33	130.05	129.83	130.16	130.01	130.24
3	130.42	130.35	130.17	130.51	130.37	130.31	130.31	130.04	129.81	130.16	130.02	130.23
4	130.43	130.34	130.17	130.49	130.35	130.28	130.29	130.03	129.80	130.16	130.01	130.21
5	130.46	130.32	130.17	130.47	130.31	130.27	130.28	130.02	129.79	130.15	130.00	130.19
6	130.53	130.32	130.16	130.45	130.29	130.26	130.27	130.01	129.78	130.24	129.99	130.18
7	130.57	130.31	130.16	130.46	130.27	130.25	130.26	129.99	129.76	130.31	129.99	130.17
8	130.56	130.36	130.15	130.43	130.26	130.24	130.25	129.97	129.75	130.30	130.01	130.15
9	130.56	130.36	130.15	130.40	130.25	130.20	130.24	129.95	129.73	130.29	130.02	130.16
10	130.59	---	130.14	130.37	130.24	130.18	130.21	129.93	129.73	130.28	130.01	130.26
11	130.60	---	130.12	130.36	130.23	130.20	130.19	129.92	129.77	130.27	130.05	130.40
12	130.57	---	130.11	130.37	130.22	130.20	130.18	129.91	129.86	130.27	130.09	130.40
13	130.55	130.28	130.10	130.37	130.20	130.19	130.16	129.89	129.86	130.29	130.12	130.39
14	130.53	130.26	130.10	130.35	130.19	130.18	130.16	129.87	129.85	130.28	130.21	130.38
15	130.53	130.24	130.10	130.34	130.20	130.18	130.15	129.85	129.84	130.26	130.30	130.36
16	130.50	130.23	130.10	130.33	130.20	130.17	130.15	129.83	129.83	130.26	130.36	130.35
17	130.47	130.23	130.10	130.32	130.17	130.17	130.13	129.82	129.84	130.27	130.34	130.36
18	130.47	---	130.10	130.32	130.16	130.16	130.12	129.80	129.84	130.24	130.33	130.37
19	130.46	---	130.10	130.32	130.15	130.15	130.11	129.79	130.03	130.22	130.31	130.36
20	130.45	---	130.09	130.30	130.15	130.13	130.09	129.78	130.05	130.20	130.31	130.34
21	130.44	---	130.08	130.29	130.15	130.11	130.08	129.79	130.09	130.18	130.31	130.33
22	130.41	---	130.06	130.28	130.15	130.10	130.07	129.82	130.12	130.16	130.29	130.39
23	130.39	---	130.06	130.27	130.15	130.08	130.06	129.84	130.13	130.14	130.27	130.37
24	130.39	---	130.04	130.27	130.14	130.07	130.05	129.84	130.13	130.13	130.25	130.35
25	130.38	130.17	130.03	130.26	130.14	130.07	130.03	129.85	130.13	130.12	130.25	130.33
26	130.37	130.16	130.03	130.25	130.14	130.07	130.03	129.85	130.18	130.10	130.31	130.31
27	130.36	130.16	130.02	130.25	130.13	130.06	130.02	129.84	130.22	130.08	130.30	130.29
28	130.37	130.16	130.02	130.23	130.12	130.16	130.00	129.83	130.22	130.05	130.32	130.28
29	130.36	130.19	130.01	130.22	130.14	130.23	129.99	129.83	130.21	130.03	130.31	130.29
30	130.35	130.19	130.02	130.21	---	130.24	130.04	129.87	130.19	130.01	130.29	130.31
31	130.35	---	130.04	130.21	---	130.33	---	129.87	---	130.00	130.27	---
MEAN	130.46	---	130.10	130.33	130.20	130.18	130.15	129.89	129.94	130.19	130.18	130.30
MAX	130.60	---	130.18	130.51	130.37	130.33	130.36	130.06	130.22	130.31	130.36	130.40
MIN	130.35	---	130.01	130.15	130.12	130.06	129.99	129.78	129.73	130.00	129.99	130.15

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02293463 LAKE GEORGE AT LAKE ALFRED, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130.31	130.38	130.18	130.24	---	---	---	---	---	---	---	---
2	130.29	130.37	130.26	130.23	---	---	---	---	---	---	---	---
3	130.28	130.36	130.25	130.23	---	---	---	---	---	---	---	---
4	130.29	130.33	130.24	130.22	---	---	---	---	---	---	---	---
5	130.33	130.32	130.23	130.22	---	---	---	---	---	---	---	---
6	130.37	130.32	130.23	130.21	---	---	---	---	---	---	---	---
7	130.52	130.32	130.35	130.21	---	---	---	---	---	---	---	---
8	130.56	130.32	130.50	130.20	---	---	---	---	---	---	---	---
9	130.54	130.30	130.47	130.20	---	---	---	---	---	---	---	---
10	130.54	130.28	130.45	130.22	---	---	---	---	---	---	---	---
11	130.52	130.26	130.43	130.21	---	---	---	---	---	---	---	---
12	130.50	130.25	130.43	130.20	---	---	---	---	---	---	---	---
13	130.48	130.24	130.42	130.18	---	---	---	---	---	---	---	---
14	130.46	130.23	130.41	130.18	---	---	---	---	---	---	---	---
15	130.45	130.22	130.39	130.20	---	---	---	---	---	---	---	---
16	130.44	130.21	130.38	130.25	---	---	---	---	---	---	---	---
17	130.44	130.21	130.36	---	---	---	---	---	---	---	---	---
18	130.46	130.21	130.35	---	---	---	---	---	---	---	---	---
19	130.45	130.20	130.33	---	---	---	---	---	---	---	---	---
20	130.43	130.20	130.31	---	---	---	---	---	---	---	---	---
21	130.42	130.20	130.28	---	---	---	---	---	---	---	---	---
22	130.41	130.20	130.27	---	---	---	---	---	---	---	---	---
23	130.40	130.18	130.27	---	---	---	---	---	---	---	---	---
24	130.40	130.17	130.26	---	---	---	---	---	---	---	---	---
25	130.40	130.16	130.26	---	---	---	---	---	---	---	---	---
26	130.39	130.19	130.26	---	---	---	---	---	---	---	---	---
27	130.39	130.18	130.26	---	---	---	---	---	---	---	---	---
28	130.39	130.17	130.25	---	---	---	---	---	---	---	---	---
29	130.39	130.16	130.25	---	---	---	---	---	---	---	---	---
30	130.38	130.16	130.25	---	---	---	---	---	---	---	---	---
31	130.38	---	130.24	---	---	---	---	---	---	---	---	---
MEAN	130.42	130.24	130.32	---	---	---	---	---	---	---	---	---
MAX	130.56	130.38	130.50	---	---	---	---	---	---	---	---	---
MIN	130.28	130.16	130.18	---	---	---	---	---	---	---	---	---

CAL YR 1996 MEAN 130.20 MAX 130.56 MIN 129.73

PEACE RIVER BASIN

02293463 LAKE GEORGE AT LAKE ALFRED, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1996 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) (00925)	SODIUM, DIS- SOLVED (MG/L) (00930)
OCT 1995										
10...	1100	3.00	347	8.6	28.5	1.10	3.8	28	14	6.9
APR 1996										
01...	1100	3.00	343	8.2	22.5	2.70	7.7	28	14	6.5
SEP										
30...	1040	3.00	354	7.8	28.0	2.00	6.2	28	13	6.9

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	SILICA, DIS- SOLVED (MG/L) AS SIO2) (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)
OCT 1995									
10...	18	66	25	1.8	<0.010	<0.020	<0.010	0.37	<0.010
APR 1996									
01...	18	69	24	--	<0.010	0.180	0.020	0.36	0.010
SEP									
30...	17	67	24	--	<0.010	<0.020	<0.010	0.34	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C) (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 1995									
10...	17	51	<3.0	<0.20	50	13	50	--	--
APR 1996									
01...	--	47	--	--	60	--	52	2.7	0.36
SEP									
30...	--	50	--	--	60	--	58	3.1	1.06

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02293496 LAKE SMART NEAR FLORENCE VILLA, FL

LOCATION.--Lat 28°03'08", long 81°42'38", in NW¹/₄ 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 mi²).

DRAINAGE AREA.--17.9 mi².

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). 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, 125.82 ft, July 7, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 128.42 ft, Jan. 6; minimum observed, 128.08 ft, July 2.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

Oct. 3	128.22	Apr. 29	128.22
Nov. 18	128.24	July 02	128.08
Jan. 06	128.42	Aug. 12	128.36
Mar. 11	128.20		

02293518 LAKE FANNIE NEAR FLORENCE VILLA, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 124.62 ft, Oct. 29; minimum observed, 123.54 ft, June 24.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02293670 LAKE OTIS AT WINTER HAVEN, FL

LOCATION.--Lat 28°01'00", long 81°42'52", in SE¹/₄ 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 mi²).

DRAINAGE AREA.--1.00 mi².

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, 125.60 ft, Oct. 29; minimum observed, 124.38 ft, May 30.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	125.32	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	125.26	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	124.50	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	125.18	---	---	---	---	---	---	---	---	---	124.78
24	---	---	---	---	---	---	---	---	124.52	---	---	---
25	---	---	---	---	---	124.76	---	---	---	---	---	---
26	---	---	---	---	125.00	---	---	---	---	---	125.08	---
27	---	---	---	---	125.00	---	---	---	124.60	---	125.08	---
28	---	---	---	125.14	---	---	---	---	---	---	---	---
29	125.60	---	---	---	---	---	124.70	---	---	---	---	---
30	---	---	---	---	---	---	---	124.38	---	124.72	---	---
31	---	---	---	---	---	124.72	---	---	---	124.70	---	---

PEACE RIVER BASIN

02293681 LAKE HAMILTON NEAR LAKE HAMILTON, FL

LOCATION.--Lat 28°01'54", long 81°38'42", in SE 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 mi²).

DRAINAGE AREA.--20.5 mi².

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 current year (incomplete). 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, 116.86 ft, May 15, 16, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 120.50 ft, Oct. 8, 9, 10; minimum observed, 119.50 ft, May 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120.28	120.31	120.00	120.20	120.13	120.00	119.79	119.82	119.57	119.59	119.76	119.95
2	120.27	120.31	120.09	120.20	120.12	119.99	119.75	119.80	119.60	119.58	119.75	119.96
3	120.26	120.29	120.08	120.19	120.11	119.98	119.73	119.78	119.59	119.55	119.78	119.98
4	120.28	120.24	120.07	120.19	120.11	119.98	119.71	119.78	119.58	119.58	119.79	120.03
5	120.28	120.24	120.05	120.18	120.12	119.97	119.68	119.75	119.56	119.66	119.81	120.01
6	120.33	120.24	120.05	120.18	120.12	119.96	119.68	119.72	119.58	119.66	119.82	119.99
7	120.43	120.22	120.16	120.18	120.11	119.94	119.68	119.71	119.56	119.64	119.87	119.96
8	120.50	120.22	120.30	120.18	120.11	119.90	119.67	119.69	119.53	119.63	119.97	119.96
9	120.50	120.21	120.27	120.17	120.11	119.89	119.65	119.68	119.54	119.62	119.97	119.94
10	120.50	120.18	120.25	120.19	120.10	119.88	119.63	119.67	119.60	119.59	119.99	119.92
11	120.48	120.16	120.25	120.16	120.08	119.88	119.60	119.64	119.62	119.62	119.99	119.91
12	120.44	120.15	120.25	120.16	120.06	119.86	119.63	119.65	119.63	119.68	119.98	119.90
13	120.42	120.12	120.26	120.15	120.05	119.86	119.63	119.68	119.63	119.67	120.02	119.89
14	120.42	120.12	120.27	120.15	120.05	119.94	119.66	119.67	119.65	119.65	120.08	119.89
15	120.41	120.11	120.26	120.15	120.08	119.98	119.70	119.65	119.66	119.63	120.09	119.87
16	120.43	120.09	120.25	120.19	120.11	119.97	119.68	119.64	119.65	119.62	120.12	119.85
17	120.42	120.07	120.23	120.17	120.12	119.93	119.68	119.63	119.63	119.65	120.12	119.83
18	120.46	120.06	120.24	120.14	120.10	119.91	119.67	119.61	119.63	119.68	120.11	119.82
19	120.39	120.07	120.26	120.11	120.09	119.90	119.63	119.60	119.61	119.70	120.11	119.80
20	120.34	120.07	120.23	120.11	120.08	119.89	119.61	119.60	---	119.72	120.10	119.78
21	120.31	120.06	120.20	120.10	120.08	119.93	119.60	119.60	---	119.72	120.08	---
22	120.32	120.06	120.19	120.10	120.08	119.93	119.59	---	---	119.72	120.08	119.75
23	120.37	120.03	120.19	120.10	120.08	119.90	119.64	119.57	---	119.71	120.07	119.74
24	120.37	120.01	120.19	120.10	120.06	119.90	119.67	119.53	---	119.69	120.05	119.73
25	120.36	120.00	120.19	120.11	120.05	119.87	119.65	119.51	---	119.69	120.04	119.73
26	120.35	120.05	120.19	120.12	120.03	119.88	119.71	119.52	---	119.74	120.02	119.74
27	120.35	120.05	120.20	120.10	120.02	119.88	119.76	119.51	---	119.72	120.00	119.84
28	120.35	120.02	120.20	120.11	120.01	119.86	119.79	119.50	119.59	119.72	119.98	119.88
29	120.34	119.99	120.20	120.12	---	119.86	119.82	119.54	119.60	119.74	119.96	119.88
30	120.34	119.98	120.20	120.15	---	119.84	119.82	119.51	119.60	119.76	119.95	119.87
31	120.32	---	120.20	120.15	---	119.84	---	119.52	---	119.77	119.94	---
MEAN	120.37	120.12	120.19	120.15	120.08	119.91	119.68	---	---	119.67	119.98	---
MAX	120.50	120.31	120.30	120.20	120.13	120.00	119.82	---	---	119.77	120.12	---
MIN	120.26	119.98	120.00	120.10	120.01	119.84	119.59	---	---	119.55	119.75	---

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02293763 LAKE STARR NEAR WAVERLY, FL

LOCATION.--Lat 27°57'17", long 81°35'33", in SW¹/₄ 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 mi²).

DRAINAGE AREA.--1.18 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to current year, (incomplete). Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 62.37 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 105.87 ft, Oct. 8, 1996; minimum, 103.85 ft, Sept. 5, 7, 8, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 105.87 ft, Oct. 8; minimum, 103.98 ft, May 28.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104.58	104.75	104.90	104.90	105.07	104.78	105.01	104.61	104.14	104.81	104.92	105.44
2	104.57	104.76	104.90	105.09	105.07	104.88	104.99	104.59	104.12	104.80	105.05	105.43
3	104.58	104.76	104.90	105.16	105.11	104.88	104.98	104.57	104.10	104.79	105.04	105.42
4	104.61	104.77	104.90	105.15	105.10	104.86	104.97	104.56	104.08	104.80	105.03	105.42
5	104.62	104.76	104.90	105.15	105.06	104.85	104.96	104.55	104.06	104.84	105.03	105.41
6	104.64	104.76	104.90	105.15	105.02	104.85	104.96	104.53	104.05	104.91	105.03	105.41
7	104.65	104.75	104.90	105.16	104.99	104.84	104.95	104.51	104.03	105.05	105.03	105.41
8	104.65	104.95	104.90	105.14	104.98	104.84	104.95	104.48	104.02	105.06	105.16	105.49
9	104.66	104.98	104.90	105.11	104.97	104.81	104.94	104.45	104.03	105.08	105.17	105.49
10	104.68	104.97	104.90	105.09	104.96	104.78	104.92	104.42	104.05	105.07	105.25	105.51
11	104.69	104.97	104.88	105.09	104.96	104.80	104.90	104.40	104.08	105.07	105.24	105.57
12	104.69	104.96	104.86	105.11	104.95	104.80	104.89	104.38	104.16	105.08	105.27	105.59
13	104.69	104.94	104.86	105.11	104.93	104.80	104.88	104.36	104.15	105.10	105.29	105.59
14	104.70	104.94	104.86	---	104.92	104.79	104.87	104.33	104.14	105.09	105.29	105.60
15	104.74	104.92	104.86	105.09	104.92	104.79	104.87	104.30	104.13	105.11	105.28	105.59
16	104.73	104.91	104.86	105.08	104.92	104.79	104.88	104.27	104.14	105.14	105.29	105.61
17	104.71	104.91	104.86	105.09	104.90	104.78	104.85	104.24	104.14	105.13	105.36	105.65
18	104.75	104.90	104.86	105.09	104.87	104.78	104.83	104.22	104.13	105.12	105.47	105.64
19	104.76	104.90	104.86	105.11	104.86	104.77	104.81	104.20	104.36	105.10	105.46	105.64
20	104.76	104.90	104.85	105.10	104.85	104.74	104.79	104.18	104.40	105.10	105.44	105.63
21	104.75	104.90	104.82	105.09	104.84	104.72	104.77	104.19	104.54	105.09	105.43	105.63
22	104.74	104.90	104.81	105.09	104.84	104.70	104.75	104.21	104.60	105.07	105.41	105.67
23	104.73	104.89	104.80	105.09	104.83	104.69	104.73	104.20	104.61	105.05	105.40	105.67
24	104.73	104.89	104.79	105.09	104.82	104.67	104.71	104.19	104.61	105.04	105.40	105.65
25	104.72	104.89	104.77	105.08	104.82	104.66	104.69	104.17	104.64	105.02	105.41	105.64
26	104.72	104.89	104.76	105.08	104.81	104.65	104.67	104.16	104.68	104.99	105.42	105.63
27	104.72	104.89	104.75	105.08	104.80	104.64	104.65	104.15	104.68	104.97	105.45	105.62
28	104.74	104.89	104.74	105.07	104.79	104.74	104.62	104.13	104.69	104.94	105.44	105.61
29	104.74	104.90	104.73	105.07	104.78	104.79	104.60	104.14	104.76	104.91	105.44	105.60
30	104.72	104.90	104.73	105.07	---	104.83	104.61	104.18	104.83	104.89	105.43	105.60
31	104.72	---	104.75	105.07	---	104.97	---	104.17	---	104.87	105.43	---
MEAN	104.69	104.88	104.84	---	104.92	104.78	104.83	104.32	104.31	105.00	105.28	105.56
MAX	104.76	104.98	104.90	---	105.11	104.97	105.01	104.61	104.83	105.14	105.47	105.67
MIN	104.57	104.75	104.73	---	104.78	104.64	104.60	104.13	104.02	104.79	104.92	105.41

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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PEACE RIVER BASIN

02293763 LAKE STARR NEAR WAVERLY, FL--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105.60	105.67	105.34	---	105.20	104.98	104.57	104.41	---	104.07	104.48	104.53
2	105.60	105.66	105.46	105.39	105.19	104.96	104.53	104.39	---	104.05	104.54	104.57
3	105.59	105.64	105.45	105.39	105.19	104.95	104.50	104.38	---	104.03	104.68	104.58
4	105.61	105.61	105.44	105.38	105.18	104.94	104.48	104.38	---	104.04	104.68	104.57
5	105.64	105.61	105.44	105.38	105.18	104.92	104.45	104.35	---	104.08	104.67	104.54
6	105.68	105.63	105.44	105.37	105.18	104.90	104.43	104.32	---	104.12	104.66	104.51
7	105.80	105.62	105.48	105.37	105.17	104.86	104.41	104.30	---	104.15	104.67	104.50
8	105.86	105.61	105.54	105.36	105.16	104.84	104.40	104.28	---	104.15	104.71	104.49
9	105.86	105.58	105.52	105.36	105.15	104.81	104.37	104.25	---	104.17	104.70	104.47
10	105.85	105.56	105.50	105.38	105.14	104.80	104.34	104.22	---	104.16	104.73	104.46
11	105.84	105.54	105.50	105.37	105.13	104.78	104.31	104.19	---	104.19	104.78	104.44
12	105.82	105.51	105.50	105.36	105.12	104.75	104.33	104.20	---	---	104.77	104.44
13	105.80	105.49	105.50	105.35	105.11	104.74	104.32	104.22	---	---	104.76	104.43
14	105.79	105.48	105.50	105.34	105.10	104.81	104.33	104.20	---	---	104.76	104.42
15	105.78	105.46	105.49	105.34	105.11	104.81	104.37	104.18	---	---	104.76	104.40
16	105.78	105.44	105.49	105.35	105.12	104.79	104.35	104.16	---	104.20	104.78	104.38
17	105.79	105.42	105.49	105.34	105.12	104.76	104.34	104.15	---	104.22	104.76	104.36
18	105.80	105.42	105.48	105.31	105.11	---	104.31	104.13	---	104.29	104.75	104.34
19	105.79	105.41	105.48	105.28	105.10	---	104.29	104.13	---	104.27	104.73	104.31
20	105.77	105.40	105.45	105.26	105.09	---	104.27	104.13	104.11	104.26	104.72	104.29
21	105.76	105.39	105.42	105.25	105.09	---	104.25	104.11	104.08	104.27	104.70	104.27
22	105.76	105.38	105.41	105.24	105.08	---	104.23	104.09	104.06	104.25	104.68	104.25
23	105.75	105.35	---	105.23	105.07	---	104.26	104.08	104.04	104.25	104.67	104.23
24	105.74	105.34	---	105.23	105.06	104.71	104.28	104.05	104.04	104.23	104.65	104.22
25	105.74	105.33	---	105.23	105.04	104.70	104.26	104.03	104.06	104.21	104.63	104.24
26	105.72	105.37	---	105.22	105.03	104.69	104.32	104.01	104.05	104.20	104.62	104.24
27	105.71	105.37	---	105.21	105.01	104.68	104.38	104.00	104.06	104.20	104.60	104.32
28	105.70	105.34	---	105.21	105.00	104.67	104.41	103.99	104.10	104.27	104.57	104.38
29	105.69	105.33	---	105.21	---	104.65	104.43	---	104.11	104.45	104.55	104.36
30	105.69	105.33	---	105.22	---	104.64	104.42	---	104.09	104.49	104.53	104.35
31	105.68	---	---	105.21	---	104.64	---	---	---	104.48	104.50	---
MEAN	105.74	105.48	---	---	105.12	---	104.36	---	---	---	104.67	104.40
MAX	105.86	105.67	---	---	105.20	---	104.57	---	---	---	104.78	104.58
MIN	105.59	105.33	---	---	105.00	---	104.23	---	---	---	104.48	104.22

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02293763 LAKE STARR NEAR WAVERLY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)
OCT 1995 12...	1200	3.00	174	7.3	28.5	3.50	6.0	9.0	6.7	8.9
APR 1996 04...	1430	3.00	177	9.0	21.5	2.30	8.5	10	6.7	7.6
OCT 03...	1500	3.00	182	7.3	28.0	2.70	6.0	11	7.0	8.4

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L) AS BR) (71870)	SILICA, DIS- SOLVED (MG/L) AS SI02) (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)
OCT 1995 12...	5.8	28	15	--	0.60	<0.010	<0.020	0.100	0.54	0.010
APR 1996 04...	6.2	32	15	0.020	--	<0.010	0.030	0.020	0.42	<0.010
OCT 03...	6.7	30	14	<0.010	--	<0.010	<0.020	0.066	0.45	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C) (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CAC03 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 1995 12...	7.0	44	<3.0	3.8	40	5.4	22	--	--
APR 1996 04...	--	42	--	--	40	--	25	4.9	1.03
OCT 03...	--	40	--	--	40	--	37	4.6	1.40

02294036 LAKE HOWARD AT WINTER HAVEN, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 131.98 ft. Oct. 3, minimum observed, 131.04 ft. May 20.

[illegible]

PEACE RIVER BASIN

02294048 ROUND LAKE NEAR ELOISE, FL

LOCATION.--Lat 27°57'49", long 81°40'32", in NW¹/₄ sec.13, T.29 S., R.26 E., Polk County, Hydrologic Unit 03100101, on northwest shore of lake, 1,110 ft north of Alternate State Highway 540, and 4.5 mi southeast of Eloise.

SURFACE AREA.--31 acres (0.05 mi²).

DRAINAGE AREA.--0.2 mi², approximately.

ELEVATION RECORDS

PERIOD OF RECORD.--October 1995 to January 1997 (incomplete), discontinued.

GAGE.--Water-stage recorder. Datum of gage is 126.66 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Lake is occasionally pumped for citrus irrigation. Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 132.22 ft, Nov. 8, 1995; minimum, 130.12 ft, Jan. 15, 16, 1997.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 131.37 ft, Oct. 7, 8, 9; minimum, 130.12 ft, Jan. 15, 16.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	132.01	132.06	131.88	132.03	131.73	131.82	131.31	130.87	131.28	131.26	131.18
2	---	132.00	132.05	132.12	132.02	131.84	131.79	131.28	130.84	131.27	---	131.17
3	---	132.00	132.05	132.19	132.09	131.85	131.77	131.27	130.81	131.27	---	131.15
4	---	131.99	132.04	132.18	132.09	131.82	131.76	131.25	130.78	131.27	131.24	131.13
5	---	131.97	132.04	132.18	132.05	131.81	131.76	131.22	130.74	131.36	131.22	131.12
6	131.92	131.96	132.03	132.17	132.03	131.80	131.74	131.20	130.72	131.44	131.22	131.12
7	131.92	131.95	132.03	132.19	132.01	131.79	131.74	131.16	130.69	131.45	131.21	131.10
8	131.92	132.16	132.02	132.17	132.00	131.77	131.72	131.13	130.66	131.45	131.24	131.08
9	131.93	132.20	132.01	132.16	131.99	131.73	131.71	131.10	130.67	131.45	131.24	131.09
10	131.98	132.19	132.01	132.14	131.98	131.70	131.69	131.07	130.71	131.45	131.35	131.21
11	131.99	132.18	131.98	132.14	131.97	131.72	131.67	131.05	130.70	131.44	131.34	131.39
12	131.99	132.17	131.96	132.16	131.95	131.72	131.65	131.02	130.73	131.43	131.36	131.40
13	131.98	132.16	131.95	132.16	131.93	131.70	131.64	131.00	130.73	131.42	131.38	131.41
14	131.99	132.15	131.95	132.15	131.91	131.69	131.62	130.95	130.71	131.43	131.37	131.42
15	132.03	132.13	131.94	132.14	131.90	131.68	131.60	130.92	130.68	131.46	131.36	131.41
16	132.00	132.11	131.93	132.14	131.90	131.67	131.59	130.89	130.69	131.46	131.35	131.41
17	131.98	132.11	131.93	132.13	131.87	131.66	131.57	130.86	130.69	131.44	131.34	131.43
18	132.02	132.10	131.92	132.13	131.85	131.65	131.55	130.83	130.72	131.43	131.35	131.42
19	132.03	132.09	131.91	132.14	131.84	131.63	131.51	130.79	130.83	131.42	131.37	131.42
20	132.02	132.09	131.90	132.12	131.83	131.60	131.49	130.77	130.89	131.40	131.35	131.40
21	132.01	132.09	131.87	132.12	131.82	131.57	131.47	130.78	131.06	131.38	131.32	131.39
22	131.99	132.08	131.85	132.11	131.81	131.55	131.45	130.81	131.10	131.40	131.30	131.43
23	131.97	132.06	131.83	132.10	131.80	131.53	131.43	130.82	131.15	131.40	131.28	131.42
24	131.97	132.06	131.81	132.10	131.79	131.51	131.42	130.80	131.22	131.38	131.27	131.40
25	131.96	132.05	131.79	132.08	131.78	131.49	131.40	130.84	131.27	131.36	131.25	131.38
26	131.95	132.04	131.77	132.07	131.77	131.49	131.36	130.88	131.29	131.34	131.24	131.36
27	131.94	132.03	131.75	132.07	131.76	131.47	131.34	130.87	131.31	131.31	131.22	131.34
28	132.01	132.03	131.74	132.05	131.74	---	131.32	130.85	131.31	131.29	131.20	131.32
29	132.01	132.07	131.72	132.04	131.73	---	131.30	130.85	131.30	131.26	131.19	131.31
30	131.99	132.07	131.71	132.04	---	131.71	131.31	130.90	131.29	131.26	131.17	131.30
31	131.97	---	131.73	132.03	---	131.79	---	130.88	---	131.27	131.16	---
MEAN	---	132.08	131.91	132.12	131.90	---	131.57	130.98	130.91	131.38	---	131.30
MAX	---	132.20	132.06	132.19	132.09	---	131.82	131.31	131.31	131.46	---	131.43
MIN	---	131.95	131.71	131.88	131.73	---	131.30	130.77	130.66	131.26	---	131.08

02294048 ROUND LAKE NEAR ELOISE, FL--Continued

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02294048 ROUND LAKE NEAR ELOISE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to October 1996 (discontinued).

WATER QUALITY DATA, PERIOD OCTOBER 1995 TO OCTOBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (000400)	TEMPER- ATURE WATER (DEG C) (000010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (000078)	OXYGEN, DIS- SOLVED (MG/L) (000300)	CALCIUM DIS- SOLVED (MG/L) AS CA (000915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (000925)	SODIUM, DIS- SOLVED (MG/L) AS NA (000930)
OCT 1995 12...	1430	3.00	372	8.2	29.5	1.70	7.3	25	16	11
APR 1996 03...	1600	3.00	366	8.1	22.0	--	9.0	25	16	10
OCT 03...	1030	3.00	366	7.8	28.0	1.60	6.2	24	16	11

DATE	POTAS- SIUM, DIS- SOLVED (MG/L) AS K) (000935)	SULFATE DIS- SOLVED (MG/L) AS SO4) (000945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (000940)	BROMIDE DIS- SOLVED (MG/L) AS BR) (71870)	SILICA, DIS- SOLVED (MG/L) AS SI02) (000955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (000613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (000631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (000608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (000623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (000671)
OCT 1995 12...	18	51	35	--	0.60	<0.010	<0.020	<0.010	0.53	0.010
APR 1996 03...	18	51	34	0.010	--	<0.010	<0.020	0.010	0.47	<0.010
OCT 03...	18	49	34	<0.010	--	<0.010	<0.020	<0.010	0.52	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C) (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CAC03 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 1995 12...	11	64	<3.0	0.60	90	16	63	--	--
APR 1996 03...	--	58	--	--	100	--	74	6.4	1.32
OCT 03...	--	58	--	--	100	--	69	9.4	1.98

PEACE RIVER BASIN

02294259 LAKE PARKER AT LAKELAND, FL

LOCATION.--Lat 28°02'59", long 81°55'22", in NW¹/₄ 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 mi²).

DRAINAGE AREA.--23.6 mi².

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, 126.98 ft, June 8, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 131.06 ft, July 16; minimum observed, 129.65 ft, June 9, 10, 11.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130.42	130.49	130.30	130.40	130.40	130.21	129.88	130.17	129.79	130.55	130.74	130.45
2	130.41	130.48	130.30	130.40	130.39	130.19	129.85	130.16	129.78	130.58	130.70	130.48
3	130.40	130.48	130.30	130.40	130.39	130.19	129.79	130.14	129.76	130.58	130.76	130.48
4	130.40	130.47	130.30	130.38	130.39	130.18	129.79	130.20	129.75	130.58	130.62	130.49
5	130.53	130.45	130.30	130.37	130.39	130.18	129.79	130.17	129.70	130.62	130.60	130.50
6	130.50	130.42	130.30	130.38	130.39	130.18	129.79	130.09	129.70	---	130.60	130.48
7	130.58	130.42	130.30	130.38	130.38	130.17	129.73	130.09	129.70	130.71	130.60	130.46
8	130.75	130.41	130.30	130.38	130.37	130.12	129.70	130.05	129.70	130.71	130.58	130.42
9	130.70	130.36	130.35	130.32	130.37	130.10	129.80	130.02	129.65	130.72	130.46	130.44
10	130.50	130.40	130.50	130.33	130.38	130.08	129.78	130.05	129.65	130.70	130.42	130.40
11	130.60	130.40	130.55	130.39	130.38	130.08	129.75	130.02	129.65	130.70	130.48	130.38
12	130.70	130.40	130.55	130.39	130.33	130.10	129.71	129.98	130.19	131.00	130.46	130.38
13	130.70	130.40	130.55	130.40	130.30	130.02	129.70	130.00	130.20	131.02	130.42	130.40
14	130.65	130.55	130.50	130.45	130.30	130.07	129.80	130.02	130.20	131.04	130.46	130.40
15	130.62	130.55	130.50	130.40	130.30	130.07	129.80	130.00	130.20	130.96	130.42	130.41
16	130.60	130.40	130.48	130.41	130.30	130.06	129.80	129.99	130.20	131.06	130.48	130.40
17	130.58	130.30	130.45	130.40	130.28	130.07	129.78	129.99	130.20	131.01	130.48	130.38
18	130.65	130.28	130.45	130.40	130.27	130.02	129.78	129.98	130.20	130.70	130.45	130.40
19	130.65	130.27	130.45	130.40	130.26	130.00	129.72	130.00	130.22	130.89	130.45	130.38
20	130.64	130.27	130.45	130.40	130.30	129.99	129.72	129.98	130.20	130.87	130.45	130.38
21	130.60	130.25	130.50	130.39	130.29	130.05	129.70	129.97	130.19	130.92	130.45	130.38
22	130.60	130.25	130.45	130.39	130.28	130.10	129.68	129.96	130.18	130.87	130.45	130.28
23	130.55	130.23	130.45	130.40	130.30	129.99	129.68	129.93	130.18	130.92	130.45	130.28
24	130.55	130.20	130.40	130.40	130.30	129.98	129.75	129.90	130.19	130.86	130.45	130.26
25	130.54	130.20	130.40	130.40	130.29	129.99	129.70	129.88	130.19	130.80	130.40	130.25
26	130.53	130.30	130.45	130.40	130.24	129.97	129.70	129.88	130.18	130.80	130.42	130.25
27	130.53	130.30	130.45	130.40	130.20	129.90	130.05	129.87	130.38	130.73	130.40	130.55
28	130.55	130.30	130.43	130.40	130.20	129.89	130.08	129.87	130.45	130.70	130.31	130.85
29	130.54	130.25	130.43	130.42	---	129.90	130.16	129.87	130.54	130.75	130.32	130.55
30	130.54	130.24	130.45	130.44	---	129.90	130.16	129.85	130.57	130.84	130.30	130.80
31	130.50	---	130.40	130.40	---	129.88	---	129.80	---	130.87	130.40	---
MEAN	130.57	130.36	130.42	130.39	130.32	130.05	129.80	130.00	130.06	---	130.48	130.43
MAX	130.75	130.55	130.55	130.45	130.40	130.21	130.16	130.20	130.57	---	130.76	130.85
MIN	130.40	130.20	130.30	130.32	130.20	129.88	129.68	129.80	129.65	---	130.30	130.25

PEACE RIVER BASIN

02294342 LAKE HOLLINGSWORTH NEAR LAKELAND, FL

LOCATION.--Lat 28°01'16", long 81°56'18", in NW 1/4 sec.29, T.28 S., R.24 E., Polk County, Hydrologic Unit 03100101, on southeast shore of lake 200 ft north of intersection Lake Hollingsworth Drive and Collins Lane, and 2.0 mi southeast of Lakeland.

SURFACE AREA.--356 acres (0.56 mi²).

DRAINAGE AREA.--1.68 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--August 1995 to December 1996 (incomplete), discontinued. Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Outflow is through a control structure to a stream on southeast shore. Prior to Feb. 13, 1996, structure was a rectangular sharp-crested weir, with water flowing over the top. Control is a bottom-opening sluice gate which is adjusted occasionally by the City of Lakeland; inflow is through a network of pipes from 67 storm drains and direct pipe connections to Lake Horney and Lake Morton. Lake elevation was measured as part of a special study to compute lake-budgets for the 12-month period January to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 132.21 ft, August 26, 27, 1995; minimum, 130.44 ft, May 20, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 131.74 ft, Oct. 8; minimum, 131.04 ft, Nov. 26.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131.60	131.50	131.51	131.50	131.41	131.24	131.39	130.93	130.78	131.02	131.27	130.91
2	131.58	131.50	131.49	131.92	131.41	131.42	131.37	130.91	130.75	131.00	131.65	130.89
3	131.58	131.49	131.48	131.98	131.63	131.45	131.34	130.89	130.73	130.98	131.72	130.87
4	131.57	131.47	131.47	131.94	131.62	131.43	131.33	130.87	130.70	130.95	131.69	130.85
5	131.66	131.45	131.46	131.89	131.57	131.42	131.31	130.84	130.68	130.94	131.66	130.87
6	131.72	131.44	131.45	131.85	131.54	131.41	131.30	130.82	130.66	131.04	131.63	130.91
7	131.72	131.44	131.44	131.84	131.53	131.41	131.28	130.79	130.63	131.15	131.59	130.90
8	131.70	131.69	131.43	131.79	131.52	131.39	131.26	130.76	130.65	131.14	131.56	130.90
9	131.68	131.73	131.43	131.73	131.51	131.35	131.24	130.74	130.66	131.14	131.52	131.02
10	131.75	131.73	131.41	131.70	131.50	131.32	131.21	130.71	130.64	131.17	131.57	131.17
11	131.83	131.74	131.38	131.67	131.49	131.36	131.17	130.68	130.64	131.24	131.72	131.33
12	131.79	131.74	131.37	131.68	131.47	131.35	131.15	130.65	130.64	131.24	131.70	131.36
13	131.76	131.73	131.36	131.66	131.45	131.34	131.13	130.63	130.62	131.24	131.67	131.36
14	131.75	131.73	131.36	131.63	131.42	131.33	131.11	130.60	130.61	131.24	131.63	131.35
15	131.74	131.71	131.37	131.61	131.41	131.31	131.09	130.57	130.63	131.22	131.58	131.34
16	131.70	131.70	131.37	131.60	131.42	131.29	131.07	130.54	130.69	131.23	131.54	131.33
17	131.66	131.70	131.36	131.58	131.37	131.27	131.04	130.52	130.70	131.25	131.49	131.32
18	131.68	131.71	131.36	131.57	131.35	131.25	131.01	130.50	130.69	131.23	131.44	131.32
19	131.70	131.71	131.37	131.56	131.33	131.24	130.99	130.48	130.73	131.22	131.40	131.31
20	131.67	131.71	131.36	131.53	131.32	131.19	130.96	130.46	130.76	131.20	131.36	131.29
21	131.64	131.68	131.34	131.52	131.31	131.16	130.94	130.48	130.86	131.18	131.31	131.32
22	131.60	131.64	131.32	131.50	131.30	131.13	130.92	130.50	130.91	131.16	131.26	131.55
23	131.58	131.61	131.32	131.49	131.28	131.10	130.89	130.49	130.90	131.13	131.21	131.57
24	131.56	131.59	131.31	131.48	131.27	131.08	130.89	130.47	130.93	131.11	131.17	131.56
25	131.55	131.57	131.30	131.46	131.25	131.06	130.93	130.54	130.97	131.09	131.11	131.54
26	131.53	131.54	131.30	131.45	131.23	131.04	130.91	130.65	130.99	131.07	131.07	131.52
27	131.52	131.53	131.29	131.45	131.22	131.03	130.89	130.82	130.99	131.05	131.04	131.51
28	131.52	131.52	131.29	131.43	131.20	131.15	130.86	130.82	131.03	131.02	131.00	131.49
29	131.49	131.54	131.29	131.42	131.21	131.24	130.83	130.81	131.06	131.00	130.97	131.48
30	131.46	131.53	131.29	131.42	---	131.25	130.90	130.83	131.05	130.97	130.94	131.47
31	131.45	---	131.33	131.41	---	131.34	---	130.81	---	130.99	130.92	---
MEAN	131.64	131.61	131.37	131.62	131.40	131.27	131.09	130.68	130.78	131.12	131.40	131.25
MAX	131.83	131.74	131.51	131.98	131.63	131.45	131.39	130.93	131.06	131.25	131.72	131.57
MIN	131.45	131.44	131.29	131.41	131.20	131.03	130.83	130.46	130.61	130.94	130.92	130.85

WTR YR 1996 MEAN 131.27 MAX 131.98 MIN 130.46

02294342 LAKE HOLLINGSWORTH NEAR LAKELAND, FL--Continued

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02294342 LAKE HOLLINGSWORTH NEAR LAKE LAND, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1995 to November 1996 (discontinued).

WATER QUALITY DATA, PERIOD DECEMBER 1995 TO NOVEMBER 1996

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)
DEC 1995 01...	1230	3.00	133	9.6	20.0	0.30	9.0	12	1.9	5.5
MAY 1996 06...	1030	3.00	152	9.4	27.5	0.20	8.2	18	2.8	6.2
NOV 06...	1015	3.00	137	9.6	23.0	0.20	9.8	17	3.0	5.5
DATE		POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SILICA, DIS- SOLVED (MG/L) AS SIO2 (00955)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN, AM- MONIA + DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)
DEC 1995 01...		0.60	5.9	11	3.0	<0.010	<0.020	0.020	0.60	0.010
MAY 1996 06...		0.80	6.3	13	--	<0.010	<0.020	0.040	1.2	<0.010
NOV 06...		0.80	5.5	12	--	<0.010	<0.020	0.011	0.80	<0.010
DATE		ALUM- INUM, DIS- SOLVED (UG/L) AS AL (01106)	BORON, DIS- SOLVED (UG/L) AS B (01020)	IRON, DIS- SOLVED (UG/L) AS FE (01046)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN (01056)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR (01080)	CARBON, INOR- GANIC, DIS- SOLVED (MG/L) AS C (00691)	ALKA- LINITY WAT.WH. GRAN T. FIELD CAC03 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
DEC 1995 01...	200	15	<3.0	0.20	40	7.1	40	--	--	--
MAY 1996 06...	--	17	--	--	40	--	45	9.1	1.44	--
NOV 06...	--	22	--	--	40	--	42	5.8	1.01	--

PEACE RIVER BASIN

02294440 GRASSY LAKE NEAR EAGLE LAKE, FL

LOCATION.--Lat 27°59'16", long 81°46'46", in SE $\frac{1}{4}$ sec.2, T.29 S., R.25 E., Polk County, Hydrologic Unit 03100101, on southwest shore of lake near Bermuda Court SW, 0.3 mi east of Spirit Lake Road, and 1.5 mi west of town of Eagle Lake.

SURFACE AREA.--76 acres (0.12 mi²).

DRAINAGE AREA.--0.56 mi².

ELEVATION RECORDS

PERIOD OF RECORD.--September 1995 to January 1997 (incomplete), discontinued. Records of elevations prior to October 1995 are available in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. Datum of gage is 125.07 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark); gage readings have been reduced to elevations above NGVD.

REMARKS.--Water pumped out of lake between Nov. 7, 1995, and Dec. 29, 1995, to alleviate near-shore flooding. Lake elevation was measured as part of a special study to compute lake-water budgets for the 15-month period October 1995 to December 1996.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 131.51 ft, Nov. 8, 1995; minimum, 128.58 ft, Dec. 29, 30, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 130.77 ft, Oct. 8, 9, 10; minimum, 129.99 ft, Jan. 14, 15, 16.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130.87	131.27	130.14	128.76	129.35	129.56	130.08	129.98	129.74	129.85	129.86	129.99
2	130.90	131.27	130.10	129.05	129.35	129.70	130.07	129.97	129.71	129.84	129.85	129.98
3	130.96	131.27	130.04	129.15	129.57	129.71	130.07	129.96	129.69	129.83	129.83	129.96
4	130.97	131.26	129.98	129.16	129.59	129.70	130.07	129.95	129.67	129.81	129.82	129.94
5	131.01	131.24	129.91	129.17	129.57	129.69	130.07	129.94	129.65	129.81	129.80	129.92
6	131.09	131.23	129.84	129.18	129.56	129.70	130.07	129.92	129.64	129.90	129.78	129.91
7	131.15	131.21	129.78	129.23	129.56	129.70	130.07	129.91	129.62	129.96	129.78	129.90
8	131.19	131.43	129.72	129.22	129.56	129.70	130.06	129.88	129.61	129.97	129.87	129.89
9	131.22	131.41	129.65	129.22	129.57	129.67	130.06	129.86	129.59	129.99	129.90	129.94
10	131.31	131.36	129.59	129.22	129.57	129.65	130.05	129.84	129.58	129.99	129.89	130.19
11	131.35	131.36	129.50	129.23	129.58	129.68	130.04	129.83	129.57	130.00	129.93	130.45
12	131.35	131.29	129.43	129.27	129.57	129.69	130.03	129.81	129.57	130.00	129.99	130.46
13	131.34	131.21	129.36	129.29	129.56	129.69	130.02	129.80	129.57	130.00	130.02	130.47
14	131.34	131.13	129.30	129.29	129.56	129.69	130.02	129.77	129.55	130.00	130.04	130.47
15	131.35	131.05	129.25	129.30	129.56	129.69	130.02	129.75	129.53	129.99	130.12	130.46
16	131.33	130.98	129.19	129.30	129.57	129.68	130.03	129.72	129.53	130.01	130.20	130.46
17	131.31	130.90	129.13	129.31	129.55	129.68	130.02	129.70	129.55	130.04	130.20	130.46
18	131.34	130.85	129.07	129.32	129.54	129.68	130.01	129.69	129.54	130.02	130.19	130.48
19	131.35	130.80	129.02	129.33	129.54	129.67	129.99	129.67	129.54	130.00	130.18	130.50
20	131.34	130.74	128.95	129.33	129.54	129.66	129.98	129.65	129.54	129.99	130.16	130.49
21	131.33	130.68	---	129.33	129.54	129.64	129.97	129.67	129.61	129.97	130.15	130.49
22	131.31	130.62	---	129.33	129.55	129.63	129.96	129.70	129.66	129.95	130.13	130.58
23	131.30	130.54	---	129.34	129.55	129.62	129.95	129.71	129.68	129.94	130.11	130.58
24	131.29	130.46	---	129.35	129.55	129.61	129.94	129.70	129.69	129.93	130.10	130.58
25	131.28	130.40	---	129.34	129.55	129.60	129.95	129.69	129.73	129.92	130.08	130.56
26	131.28	130.35	---	129.34	129.55	129.60	129.94	129.69	129.74	129.89	130.07	130.55
27	131.27	130.35	128.71	129.35	129.55	129.60	129.93	129.69	129.78	129.87	130.05	130.54
28	131.28	130.30	128.65	129.34	129.54	129.72	129.92	129.67	129.88	129.84	130.04	130.52
29	131.26	130.25	128.60	129.34	129.54	129.83	129.90	129.69	129.88	129.83	130.03	130.52
30	131.24	130.19	128.59	129.34	---	129.87	129.96	129.76	129.87	129.80	130.01	130.52
31	131.23	---	128.61	129.35	---	130.00	---	129.76	---	129.80	130.00	---
MEAN	131.23	130.91	---	129.26	129.54	129.69	130.01	129.78	129.65	129.93	130.01	130.33
MAX	131.35	131.43	---	129.35	129.59	130.00	130.08	129.98	129.88	130.04	130.20	130.58
MIN	130.87	130.19	---	128.76	129.35	129.56	129.90	129.65	129.53	129.80	129.78	129.89

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

PEACE RIVER BASIN

02294440 GRASSY LAKE NEAR EAGLE LAKE, FL--Continued

ELEVATION (FEET NGVD), PERIOD OCTOBER 1996 TO JANUARY 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130.53	130.56	130.21	130.11	---	---	---	---	---	---	---	---
2	130.52	130.55	130.27	130.10	---	---	---	---	---	---	---	---
3	130.51	130.54	130.26	130.10	---	---	---	---	---	---	---	---
4	130.52	130.51	130.25	130.08	---	---	---	---	---	---	---	---
5	130.53	130.50	130.24	130.08	---	---	---	---	---	---	---	---
6	130.57	130.50	130.23	130.07	---	---	---	---	---	---	---	---
7	130.71	130.49	130.27	130.06	---	---	---	---	---	---	---	---
8	130.77	130.48	130.33	130.05	---	---	---	---	---	---	---	---
9	130.77	130.46	130.32	130.05	---	---	---	---	---	---	---	---
10	130.76	130.43	130.30	130.06	---	---	---	---	---	---	---	---
11	130.75	130.41	130.29	130.04	---	---	---	---	---	---	---	---
12	130.74	130.38	130.28	130.03	---	---	---	---	---	---	---	---
13	130.72	130.36	130.28	130.01	---	---	---	---	---	---	---	---
14	130.71	130.34	130.28	130.00	---	---	---	---	---	---	---	---
15	130.70	130.33	130.26	129.99	---	---	---	---	---	---	---	---
16	130.69	130.32	130.25	130.00	---	---	---	---	---	---	---	---
17	130.69	130.31	130.24	---	---	---	---	---	---	---	---	---
18	130.70	130.30	130.23	---	---	---	---	---	---	---	---	---
19	130.69	130.30	130.22	---	---	---	---	---	---	---	---	---
20	130.66	130.29	130.19	---	---	---	---	---	---	---	---	---
21	130.65	130.28	130.16	---	---	---	---	---	---	---	---	---
22	130.64	130.27	130.16	---	---	---	---	---	---	---	---	---
23	130.63	130.25	130.15	---	---	---	---	---	---	---	---	---
24	130.62	130.24	130.15	---	---	---	---	---	---	---	---	---
25	130.62	130.23	130.14	---	---	---	---	---	---	---	---	---
26	130.61	130.25	130.13	---	---	---	---	---	---	---	---	---
27	130.60	130.24	130.13	---	---	---	---	---	---	---	---	---
28	130.59	130.23	130.13	---	---	---	---	---	---	---	---	---
29	130.58	130.22	130.13	---	---	---	---	---	---	---	---	---
30	130.58	130.21	130.12	---	---	---	---	---	---	---	---	---
31	130.57	---	130.11	---	---	---	---	---	---	---	---	---
MEAN	130.64	130.36	130.22	---	---	---	---	---	---	---	---	---
MAX	130.77	130.56	130.33	---	---	---	---	---	---	---	---	---
MIN	130.51	130.21	130.11	---	---	---	---	---	---	---	---	---

CAL YR 1996 MEAN 129.95 MAX 130.77 MIN 128.76

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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PEACE RIVER BASIN

02294440 GRASSY LAKE NEAR EAGLE LAKE, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to September 1996 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH	TEMPERATURE WATER (DEG C) (00010)	TRANSPAR- ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM	MAGNESIUM,	SODIUM,
				WATER WHOLE FIELD (STANDARD ARD UNITS) (00400)		DIS- SOLVED (MG/L) AS CA (00915)		DIS- SOLVED (MG/L) AS MG (00925)	DIS- SOLVED (MG/L) AS NA (00930)	
OCT 1995 10...	1430	3.00	163	7.5	28.5	--	7.3	8.1	6.8	9.2
APR 1996 01...	1530	3.00	168	9.2	23.0	0.40	8.0	9.4	7.1	8.4
SEP 30...	1400	3.00	187	7.7	28.0	0.90	7.4	11	8.0	8.8
DATE	POTASSIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOSPHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 1995 10...	4.9	12	19	--	1.5	0.010	0.020	0.060	0.80	0.010
APR 1996 01...	4.4	15	19	<0.010	--	<0.010	<0.020	0.020	0.76	<0.010
SEP 30...	5.2	12	20	--	--	<0.010	<0.020	<0.010	0.64	<0.010
DATE	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	STRONTIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, INORGANIC, DIS- SOLVED (MG/L AS C) (00691)	ALKALINITY WAT. WH. GRAN T. FIELD CACO3 (MG/L) (29813)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	
OCT 1995 10...	10	51	16	0.90	30	6.9	34	--	--	
APR 1996 01...	--	52	--	--	30	--	33	1.7	0.53	
SEP 30...	--	54	--	--	40	--	39	6.5	1.39	

PEACE RIVER BASIN

02294959 LAKE BUFFUM NEAR ALTURAS, FL

LOCATION.--Lat 27°48'30", long 81°40'01", in SE¹/₄ 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 mi²).

DRAINAGE AREA.--10 mi².

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; minimum observed, 124.04 ft, July 1, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 131.00 ft, Oct. 28; minimum observed, 129.50 ft, June 17, 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

[illegible]

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

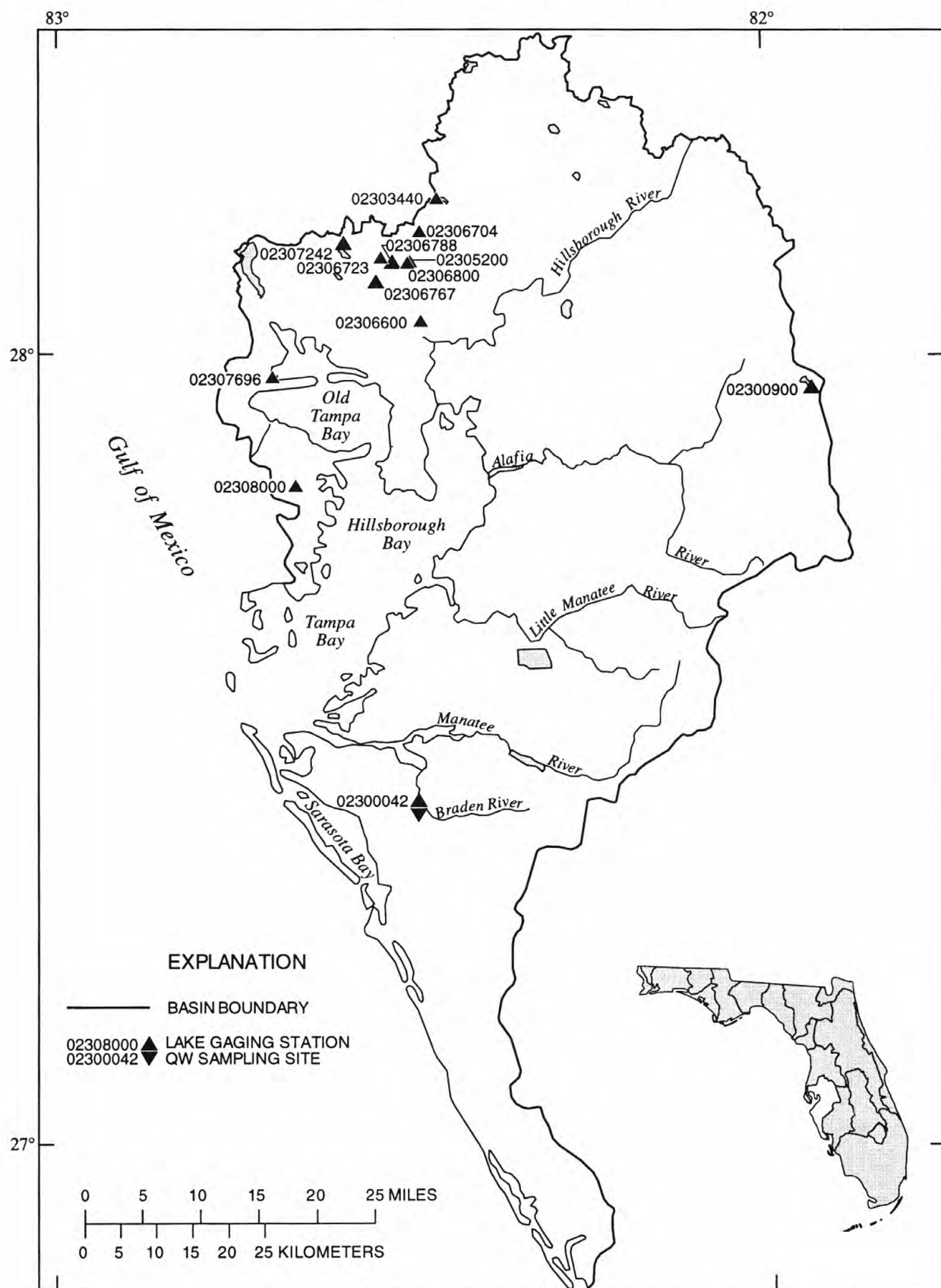


Figure 19.--Location of lake gaging stations in the Manatee, Little Manatee, Alafia, Hillsborough River basins, Tampa Bay and coastal area.

02300042 WARD LAKE NEAR BRADENTON, FL

DRAINAGE AREA.--59.5 mi², approximately.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.95 ft, Sept. 28; minimum, 1.74 ft below NGVD, Apr. 22.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

MANATEE RIVER BASIN

02300042 WARD LAKE NEAR BRADENTON, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1977-91, 1994 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
OCT 04...	1406	3.92	357	6.7	29.0	60	41	9.2	16
AUG 19...	1400	4.10	264	--	33.0	160	29	6.8	11

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 04...	5.0	50	24	0.30	4.5	246	250	<0.010	<0.020
AUG 19...	3.8	35	19	0.20	4.5	196	--	0.014	0.030

DATE	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 TOTAL (MG/L AS P) (70507)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
OCT 04...	0.030	0.75	0.350	0.300	1300	41	--	--
AUG 19...	0.060	1.0	0.260	0.260	820	17	-2.9	-1.22

ALAFIA RIVER BASIN

02300900 SCOTT LAKE NEAR LAKE LAND, FL

LOCATION.--Lat 27°57'44", long 81°56'04", in NW¹/₄ 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 mi²).

DRAINAGE AREA.--2.11 mi².

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 current year (twice weekly), incomplete. Records of elevations prior to October 1960 are available in files of the Geological Survey.

REVISED RECORDS.--WRD FL 1964: Surface area.

GAGE.--Nonrecording gage. Datum of gage is 150.00 ft 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, 167.16 ft, Oct. 11, 15; minimum observed, 165.91 ft, June 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167.06	166.86	---	---	---	---	---	---	---	---	166.70	---
2	---	---	---	166.56	---	---	---	---	---	166.22	---	---
3	---	---	166.58	---	---	166.38	---	---	166.10	---	---	---
4	167.06	---	---	---	166.54	---	166.19	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	166.70	---
6	---	---	---	166.54	---	---	166.16	---	---	---	---	---
7	---	---	---	---	166.50	---	---	---	166.06	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	166.48	166.30	---	---	---	---	---	---
10	---	---	166.70	---	---	---	---	---	---	---	---	---
11	167.16	166.68	---	166.56	---	166.30	166.10	---	---	---	---	---
12	---	---	---	---	---	---	---	---	166.00	---	166.92	---
13	---	166.66	166.68	---	---	---	---	---	---	166.28	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	167.16	---	---	---	---	---	---	---	166.10	---	166.89	---
16	---	---	166.64	---	---	---	166.12	166.20	---	166.28	---	---
17	---	---	---	---	---	---	---	---	166.02	---	---	---
18	---	166.58	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	166.46	166.28	---	166.19	---	166.28	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	167.10	---	---	166.50	---	---	---	---	165.98	---	---	---
22	---	---	166.56	---	---	---	---	---	---	166.40	---	---
23	---	166.56	---	---	---	166.30	---	---	165.91	---	---	166.76
24	---	---	---	---	166.46	166.30	166.10	---	---	---	---	---
25	167.00	---	166.56	---	166.42	---	---	166.18	---	---	166.90	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	166.47	---	---	166.26	---	---	---	---	---
28	166.96	---	166.56	166.49	---	---	166.28	166.12	---	166.62	---	---
29	---	---	---	---	---	---	166.36	---	---	---	---	---
30	---	---	---	---	---	---	---	---	166.22	---	---	---
31	---	---	---	---	---	---	---	---	---	166.70	166.84	---

HILLSBOROUGH RIVER BASIN

02303440 LAKE PADGETT NEAR LUTZ, FL

LOCATION.--Lat 28°12'12", long 82°27'43", in SW¹/₄ 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 mi²).

DRAINAGE AREA.--6.6 mi², 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 current year (weekly).

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929. Feb. 18, 1970, to Sept. 30, 1972, 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, 67.02 ft, June 1, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 70.22 ft, Sept. 29; minimum observed, 68.26 ft, June 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.74	69.48	---	69.18	69.16	68.90	---	68.82	---	68.86	---	---
2	69.72	69.46	69.20	---	---	---	---	68.80	68.70	68.86	69.16	---
3	69.72	---	---	69.16	69.14	68.88	---	---	68.70	68.82	---	69.68
4	69.70	69.44	69.16	69.16	---	---	---	---	68.68	68.82	---	69.76
5	69.70	69.40	69.16	---	69.14	---	---	68.78	68.64	68.80	69.32	---
6	---	69.38	69.16	---	69.12	68.86	---	---	68.62	---	69.38	69.70
7	69.70	69.36	69.14	---	69.12	---	68.38	68.74	68.60	---	69.38	---
8	---	69.36	---	69.18	69.10	68.78	---	---	---	---	69.50	---
9	69.84	69.40	---	---	---	---	68.40	---	68.58	68.84	69.90	69.60
10	69.84	---	---	69.18	---	68.76	68.38	68.68	68.56	68.86	---	69.58
11	---	---	---	69.16	69.10	---	68.36	---	68.54	68.84	70.15	---
12	69.80	---	---	---	69.08	---	68.34	68.64	68.52	68.90	70.18	69.56
13	---	69.40	---	---	69.08	68.70	---	68.68	---	---	---	69.50
14	---	69.34	---	69.16	69.08	68.70	---	---	68.50	---	70.18	---
15	---	---	---	---	69.08	68.70	---	68.64	---	68.90	70.16	---
16	69.76	69.34	69.32	69.14	---	---	---	68.64	68.42	68.90	70.14	69.52
17	69.76	---	69.32	---	69.08	68.68	---	68.60	68.64	68.86	---	69.50
18	69.74	69.28	69.30	69.10	69.06	---	---	---	68.54	---	---	69.48
19	69.70	69.26	69.30	---	69.04	---	---	---	68.40	68.94	70.16	69.44
20	---	69.26	---	69.08	---	---	---	---	---	---	70.10	69.42
21	69.66	69.24	---	69.06	---	68.62	---	---	68.36	---	70.08	---
22	---	69.24	---	69.00	---	---	---	---	---	69.02	---	69.38
23	---	---	69.22	69.00	---	---	---	---	68.26	---	---	---
24	69.60	---	---	---	69.00	68.62	---	---	---	69.04	---	69.42
25	69.60	69.18	---	---	68.98	---	---	---	68.88	69.00	69.98	---
26	---	69.20	69.22	---	---	---	---	68.80	68.90	---	69.96	---
27	---	69.20	---	69.02	---	68.60	---	---	68.90	---	69.90	---
28	69.56	---	69.20	69.00	68.94	68.58	68.70	68.78	68.88	---	69.86	70.20
29	69.54	---	---	69.00	---	68.56	---	68.76	---	69.00	69.84	70.22
30	69.52	---	69.20	69.16	---	---	68.82	68.74	---	69.00	---	---
31	---	---	69.18	69.16	---	---	---	68.70	---	---	---	---

HILLSBOROUGH RIVER BASIN

02305200 ROUND LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'19", long 82°30'00", in NW¹/₄ sec.22, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100205, on north shore of lake, 3.2 mi southwest of Lutz.

SURFACE AREA.--9.0 acres (0.01 mi²).

DRAINAGE AREA.--0.07 mi².

PERIOD OF RECORD.--January 1965 to September 1967; July 1971 to September 1981 (twice weekly), incomplete; October 1996 to September 1997 (incomplete).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1965, nonrecording gage, and May 11, 1965, to Sept. 30, 1967, water-stage recorder at site 200 ft west at same datum; July 1971 to September 1981, nonrecording gage at site 200 ft east at same datum.

REMARKS.--Lake has no surface outlet. Elevation is affected by pumpage into lake from nearby deep well.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 56.40 ft, Sept. 25, 1979; minimum elevation, 47.69 ft, June 8, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 53.73 ft, Sept. 27, 28; minimum, 52.07 ft, Apr. 4, 5, 6.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.78	52.91	52.69	52.65	52.59	52.43	52.13	52.82	52.97	53.10	---	52.97
2	52.78	52.90	52.74	52.65	52.60	52.43	52.11	52.82	52.98	53.13	---	52.98
3	52.77	52.91	52.72	52.63	52.60	52.43	52.08	52.83	52.97	53.15	---	52.98
4	52.76	52.90	52.70	52.60	52.59	52.41	52.08	52.83	52.96	53.14	---	53.00
5	52.75	52.88	52.68	52.57	52.58	52.39	52.07	52.82	52.95	---	---	53.00
6	52.76	52.87	52.67	52.56	52.57	52.37	52.08	52.81	52.94	---	---	52.99
7	52.81	52.86	52.73	52.65	52.56	52.34	52.11	52.81	52.93	---	53.26	52.98
8	52.90	52.87	52.81	52.62	52.57	52.33	52.14	52.81	52.92	---	53.22	52.97
9	53.02	52.87	52.80	52.63	52.58	52.33	52.14	52.81	52.94	---	53.17	52.96
10	53.01	52.87	52.78	52.66	52.59	52.33	52.13	52.81	52.94	53.24	53.11	52.95
11	53.01	52.86	52.77	52.66	52.57	52.31	52.13	52.81	52.94	53.20	53.08	52.94
12	53.00	52.84	52.75	52.66	52.56	52.28	52.15	52.85	52.93	53.17	53.05	52.94
13	53.00	52.81	52.74	52.66	52.55	52.26	52.16	52.89	52.96	53.13	53.01	52.93
14	53.02	52.80	52.74	52.64	52.54	52.28	52.20	52.89	52.98	53.06	53.00	52.94
15	53.02	52.78	52.75	52.63	52.54	52.29	52.27	52.89	52.98	---	53.01	52.94
16	53.01	52.78	52.75	52.63	52.55	52.29	52.28	52.89	52.97	---	53.01	52.93
17	53.00	52.78	52.74	52.61	52.55	52.28	52.28	52.90	52.97	---	53.02	52.92
18	53.00	52.78	52.72	52.60	52.53	52.26	52.27	52.90	52.96	---	53.03	52.91
19	53.00	52.77	52.71	52.60	52.52	52.23	52.26	52.91	52.94	---	53.04	52.90
20	53.00	52.75	52.69	52.60	52.51	52.21	52.25	52.91	52.93	---	53.05	52.89
21	53.01	52.74	52.67	52.59	52.49	52.22	52.24	52.91	52.90	---	53.07	52.88
22	53.01	52.73	52.68	52.58	52.48	52.22	52.24	52.91	52.88	---	53.18	52.87
23	53.00	52.72	52.69	52.57	52.50	52.22	52.27	52.92	52.89	---	53.19	52.90
24	---	52.73	52.68	52.56	52.49	52.22	52.30	52.94	52.96	---	53.19	53.01
25	52.99	52.72	52.67	52.57	52.48	52.20	52.29	52.96	53.00	---	53.19	53.01
26	52.97	52.73	52.66	52.60	52.46	52.20	52.54	52.96	53.02	---	53.13	53.24
27	52.98	52.71	52.65	52.60	52.45	52.19	52.67	52.96	53.02	---	53.06	53.65
28	52.99	52.69	52.65	52.59	52.43	52.17	52.75	52.95	53.05	---	53.00	53.72
29	52.98	52.68	52.67	52.59	---	52.16	52.82	52.94	53.13	---	52.98	53.68
30	52.97	52.67	52.67	52.61	---	52.17	52.82	52.93	53.12	---	52.98	53.62
31	52.95	---	52.66	52.60	---	52.16	---	52.95	---	---	52.97	---
MEAN	---	52.80	52.71	52.61	52.54	52.28	52.28	52.88	52.97	---	---	53.05
MAX	---	52.91	52.81	52.66	52.60	52.43	52.82	52.96	53.13	---	---	53.72
MIN	---	52.67	52.65	52.56	52.43	52.16	52.07	52.81	52.88	---	---	52.87

02306600 LAKE CARROLL NEAR SULPHUR SPRINGS, FL

DRAINAGE AREA.--1.66 mi².

REVISÉD RECORDS.--WRD FL-82-3A: Surface area.

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 daily, 32.22 ft, June 13, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 36.04 ft, Oct. 9; minimum observed, 34.44 ft, June 24.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

[illegible]

[illegible]

02306723 TURKEY FORD LAKE NEAR LUTZ, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 52.66 ft, Oct. 9; minimum observed, 50.45 ft, Apr. 3.

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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TAMPA BAY AND COASTAL AREAS

02306767 HALFMOON LAKE NEAR CITRUS PARK, FL, FL

LOCATION.--Lat 28°05'52", long 82°32'54", in NW¹/₄ sec.31, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, 1.5 mi northeast of Citrus Park.

SURFACE AREA.--32.7 acres (0.05 mi²).

DRAINAGE AREA.--0.22 mi².

PERIOD OF RECORD.--October 1996 to September 1997 (incomplete).

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 42.61 ft, Oct. 9; minimum, 40.04 ft, June 25, 26.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.42	42.27	41.82	41.78	41.55	41.22	40.78	40.93	40.58	40.11	41.25	41.22
2	42.40	42.26	41.85	41.77	41.54	41.20	40.75	40.92	40.57	40.12	41.32	41.21
3	42.39	42.25	41.84	41.76	41.53	41.19	40.73	40.92	40.54	40.14	41.32	41.20
4	42.38	42.22	41.82	41.75	41.52	41.17	40.70	40.90	40.52	40.16	41.35	41.23
5	42.37	42.20	41.80	41.74	41.51	41.15	40.67	40.87	40.50	---	41.39	41.21
6	42.37	42.18	41.80	41.73	41.50	41.13	40.65	40.85	40.47	---	41.42	41.17
7	42.42	42.17	41.89	41.72	41.48	41.11	40.65	40.83	40.45	---	41.43	41.15
8	42.59	42.19	42.01	41.71	41.48	41.08	40.65	40.81	40.43	---	41.42	41.13
9	42.60	42.18	42.00	41.72	41.47	41.05	40.62	40.79	40.46	---	41.42	41.11
10	42.60	42.15	41.98	41.76	41.46	41.03	40.59	40.78	40.45	40.49	41.45	41.08
11	42.58	42.13	41.98	41.75	41.44	41.01	40.57	40.75	40.43	40.49	41.46	41.05
12	42.57	42.10	41.97	41.74	41.43	40.99	40.57	40.76	40.42	40.56	41.48	41.03
13	42.55	42.08	41.97	41.71	41.42	40.98	40.55	40.78	40.42	40.59	41.50	41.01
14	42.53	42.06	41.96	41.71	41.41	41.04	40.57	40.76	40.43	40.58	41.50	40.99
15	42.52	42.04	41.95	41.69	41.41	41.04	40.62	40.74	40.41	40.57	41.49	40.97
16	42.51	42.03	41.93	41.69	41.39	41.01	40.61	40.72	40.40	40.60	41.47	40.94
17	42.50	42.01	41.93	41.67	41.37	40.99	40.59	40.71	40.38	40.70	41.46	40.93
18	42.50	42.00	41.91	41.65	41.36	40.97	40.56	40.69	40.35	40.70	41.44	40.94
19	42.48	41.98	41.90	41.63	41.35	40.95	40.54	40.68	40.32	40.78	41.43	40.92
20	42.46	41.97	41.87	41.62	41.35	40.94	40.52	40.66	40.30	40.97	41.42	40.90
21	42.43	41.96	41.85	41.60	41.33	40.96	40.50	40.64	40.27	40.97	41.41	40.88
22	42.42	41.94	41.84	41.59	41.32	40.95	40.49	40.62	40.24	40.99	41.43	40.85
23	42.40	41.92	41.83	41.58	41.31	40.93	40.50	40.61	40.22	41.00	41.42	40.86
24	42.39	41.90	41.83	41.57	41.29	40.91	40.52	40.63	40.21	41.00	41.40	40.97
25	42.38	41.88	41.82	41.57	41.28	40.90	40.50	40.68	40.11	41.00	41.38	40.97
26	42.36	41.89	41.81	41.58	41.26	40.90	40.68	40.66	40.05	41.01	41.36	41.20
27	42.34	41.87	41.81	41.57	41.25	40.88	40.81	40.64	40.05	41.08	41.33	41.70
28	42.33	41.85	41.80	41.57	41.24	40.87	40.88	40.64	40.07	41.16	41.31	41.86
29	42.31	41.83	41.80	41.56	---	40.85	40.94	40.64	40.08	41.16	41.29	41.88
30	42.30	41.82	41.79	41.58	---	40.83	40.94	40.62	40.10	41.15	41.26	41.89
31	42.29	---	41.78	41.56	---	40.81	---	40.60	---	41.17	41.24	---
MEAN	42.44	42.04	41.88	41.67	41.40	41.00	40.64	40.74	40.34	---	41.40	41.15
MAX	42.60	42.27	42.01	41.78	41.55	41.22	40.94	40.93	40.58	---	41.50	41.89
MIN	42.29	41.82	41.78	41.56	41.24	40.81	40.49	40.60	40.05	---	41.24	40.85

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02306788 DOSSON LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'27", long 82°31'34", in NW¹/₄ sec.20, T.27 S., R.18 E., Hillsborough County, Hydrologic Unit 03100206, on west shore of lake, 4.5 mi southwest of Lutz.

SURFACE AREA.--10.4 acres (0.02 mi²).

DRAINAGE AREA.--0.7 mi², approximately.

PERIOD OF RECORD.--June 1971 to September 1983 (twice weekly), incomplete; October 1996 to September 1997 (incomplete).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 8, 1972, nonrecording gage at site 700 ft north at datum 0.49 ft lower; Aug. 8, 1972 to Sept. 30, 1983, nonrecording gage at site 350 ft east at datum 0.49 ft lower.

REMARKS.--Lake is in the Lutz well field.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 55.65 ft, June 26, 1974; minimum daily, 48.79 ft, July 22, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 53.14 ft, Oct. 10, 11; minimum observed, 50.14 ft, July 1.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52.69	52.74	52.17	51.94	51.69	51.30	50.78	51.02	50.59	50.14	51.00	51.72
2	52.68	52.71	52.21	51.93	51.67	51.27	50.75	51.01	50.57	---	51.23	51.70
3	52.67	52.69	52.20	51.91	51.66	51.25	50.73	51.00	50.54	---	51.26	51.69
4	52.66	52.66	52.18	51.90	51.64	51.23	50.70	50.97	50.51	---	51.30	51.69
5	52.64	52.63	52.17	51.88	51.63	51.21	50.67	50.94	50.49	---	51.44	51.67
6	52.64	52.62	52.16	51.87	51.62	51.19	50.64	50.92	50.48	---	51.71	51.63
7	52.71	52.60	52.20	51.86	51.61	51.16	50.64	50.90	50.46	---	51.75	51.61
8	53.02	52.60	52.28	51.85	51.60	51.14	50.64	50.87	50.45	---	51.75	51.59
9	53.11	52.60	52.27	51.86	51.60	51.11	50.62	50.84	50.46	---	51.74	51.55
10	53.14	52.57	52.26	51.92	51.58	51.09	50.59	50.81	50.46	50.20	51.75	51.52
11	53.14	52.54	52.24	51.92	51.57	51.07	50.56	50.78	50.45	50.20	51.77	51.50
12	53.13	52.52	52.22	51.90	51.55	51.05	50.55	50.81	50.45	50.25	51.83	51.49
13	53.11	52.50	52.22	51.89	51.53	51.02	50.53	50.84	---	50.26	51.97	51.48
14	53.09	52.49	52.21	51.87	51.52	51.05	50.55	50.82	---	50.26	52.00	51.47
15	53.06	52.48	52.19	51.86	51.51	51.05	50.60	50.80	---	50.26	51.98	51.39
16	53.04	52.45	52.18	51.86	51.50	51.03	50.59	50.79	---	50.29	51.96	51.35
17	53.03	52.43	52.16	51.85	51.50	51.00	50.57	50.77	---	50.40	51.93	51.31
18	53.02	52.41	52.15	51.83	51.48	50.98	50.54	50.75	---	50.42	51.91	51.27
19	53.00	52.39	52.14	51.81	51.48	50.96	50.52	50.72	---	50.47	51.92	51.24
20	52.98	52.36	52.11	51.80	51.48	50.94	50.50	50.70	---	50.66	51.90	51.21
21	52.95	52.34	52.07	51.78	51.47	50.94	50.49	50.67	---	50.69	51.89	51.18
22	52.92	52.32	52.06	51.76	51.47	50.94	50.48	50.64	---	50.70	51.93	51.15
23	52.90	52.31	52.04	51.76	51.47	50.92	50.49	50.63	---	50.70	51.92	51.15
24	52.88	52.29	52.03	51.74	51.41	50.90	50.50	50.65	---	50.71	51.90	51.15
25	52.86	52.27	52.02	51.74	51.37	50.89	50.48	50.73	---	50.71	51.88	51.28
26	52.84	52.25	52.01	51.76	51.35	50.91	50.67	50.72	---	50.73	51.87	51.55
27	52.83	52.23	51.99	51.74	51.33	50.89	50.83	50.70	---	50.77	51.84	52.62
28	52.82	52.21	51.98	51.73	51.31	50.88	50.92	50.67	---	50.81	51.81	53.09
29	52.80	52.19	51.97	51.72	---	50.85	51.02	50.64	---	50.83	51.78	53.13
30	52.78	52.17	51.97	51.72	---	50.83	51.02	50.61	---	50.86	51.75	53.13
31	52.76	---	51.96	51.70	---	50.81	---	50.60	---	50.86	51.72	---
MEAN	52.90	52.45	52.13	51.83	51.52	51.03	50.64	50.78	---	---	51.75	51.65
MAX	53.14	52.74	52.28	51.94	51.69	51.30	51.02	51.02	---	---	52.00	53.13
MIN	52.64	52.17	51.96	51.70	51.31	50.81	50.48	50.60	---	---	51.00	51.15

TAMPA BAY AND COASTAL AREAS

02306800 STARVATION LAKE NEAR LUTZ, FL

LOCATION.--Lat 28°07'22", long 82°30'13", in NE¹/₄ 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 mi²).

DRAINAGE AREA.--0.30 mi².

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, 40.23 ft, July 27, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 49.55 ft, Oct. 9; minimum observed, 45.36 ft, June 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	48.64	---	---	---	---	---	46.00	---	---	47.00
3	---	---	---	---	47.74	47.26	---	---	---	---	---	---
4	---	49.10	---	---	---	---	---	---	---	---	46.00	---
5	---	---	---	---	---	---	---	46.60	---	---	---	---
6	---	---	---	48.14	---	47.41	---	---	---	---	---	---
7	49.02	---	---	---	---	---	46.42	---	---	45.50	---	---
8	---	---	---	---	---	---	---	---	---	---	---	46.88
9	49.55	---	48.62	48.36	---	---	---	---	45.78	---	---	---
10	---	---	---	---	47.68	47.08	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	48.96	---	---	---	---	---	46.46	---	---	---	---
13	---	---	---	48.08	---	---	---	---	---	---	46.92	---
14	49.44	---	---	---	---	---	46.30	---	---	45.68	46.98	---
15	---	---	---	---	---	---	---	---	---	---	---	46.68
16	---	---	48.50	---	---	---	---	---	45.64	---	---	46.65
17	---	---	---	---	47.50	46.92	---	---	---	---	---	---
18	---	48.82	---	---	---	---	---	---	---	---	47.00	---
19	---	---	---	---	---	---	---	46.30	---	---	---	---
20	---	48.79	---	---	---	---	---	---	---	---	---	---
21	49.42	---	---	47.90	---	---	46.22	---	---	46.00	---	---
22	---	---	---	---	---	---	---	---	---	---	---	46.44
23	---	---	48.36	---	---	---	---	---	45.36	---	---	---
24	---	---	---	---	47.38	46.80	46.22	---	---	---	---	---
25	---	48.68	---	---	---	---	---	---	45.51	---	47.10	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	46.14	---	---	---	---
28	49.28	---	---	47.82	---	---	46.73	---	---	45.92	---	---
29	---	---	---	---	---	---	---	---	---	---	---	48.30
30	---	---	48.26	---	---	---	---	---	45.54	---	---	---
31	---	---	---	---	---	46.66	---	---	---	---	---	---

02307242 KEYSTONE LAKE NEAR ODESSA, FL

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 41.68 ft. Oct. 10; minimum observed, 39.39 ft. June 24.

[illegible]

TAMPA BAY AND COASTAL AREAS

02307696 ALLIGATOR LAKE AT SAFETY HARBOR, FL

LOCATION.--Lat 27°58'45", long 82°41'43", in NW¹/₄ 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 mi²).

DRAINAGE AREA.--9.0 mi², 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, 5.46 ft, Apr. 28; minimum observed, 5.07 ft, Mar. 18.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

Oct. 10	5.27	Apr. 28.....	5.46
Nov. 19	5.08	June 26.....	5.30
Jan. 15	5.14	Aug. 13.....	5.19
Mar. 18	5.07		

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

TAMPA BAY AND COASTAL AREAS

02308000 SAWGRASS LAKE NEAR PINELLAS PARK, FL

LOCATION.--Lat 27°50'32", long 82°39'49", in SE¹/₄ 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 mi²).

DRAINAGE AREA.--3.97 mi².

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, 5.14 ft, Apr. 28; minimum observed, 3.66 ft, Nov. 19.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

Oct. 10	4.83	Apr. 28.....	5.14
Nov. 19	3.66	June 26.....	4.62
Jan. 14	4.15	Aug. 13.....	4.70
Mar. 17	3.99		

WATER RESOURCES DATA FOR FLORIDA, 1997
Volume 3A: Southwest Florida Surface Water

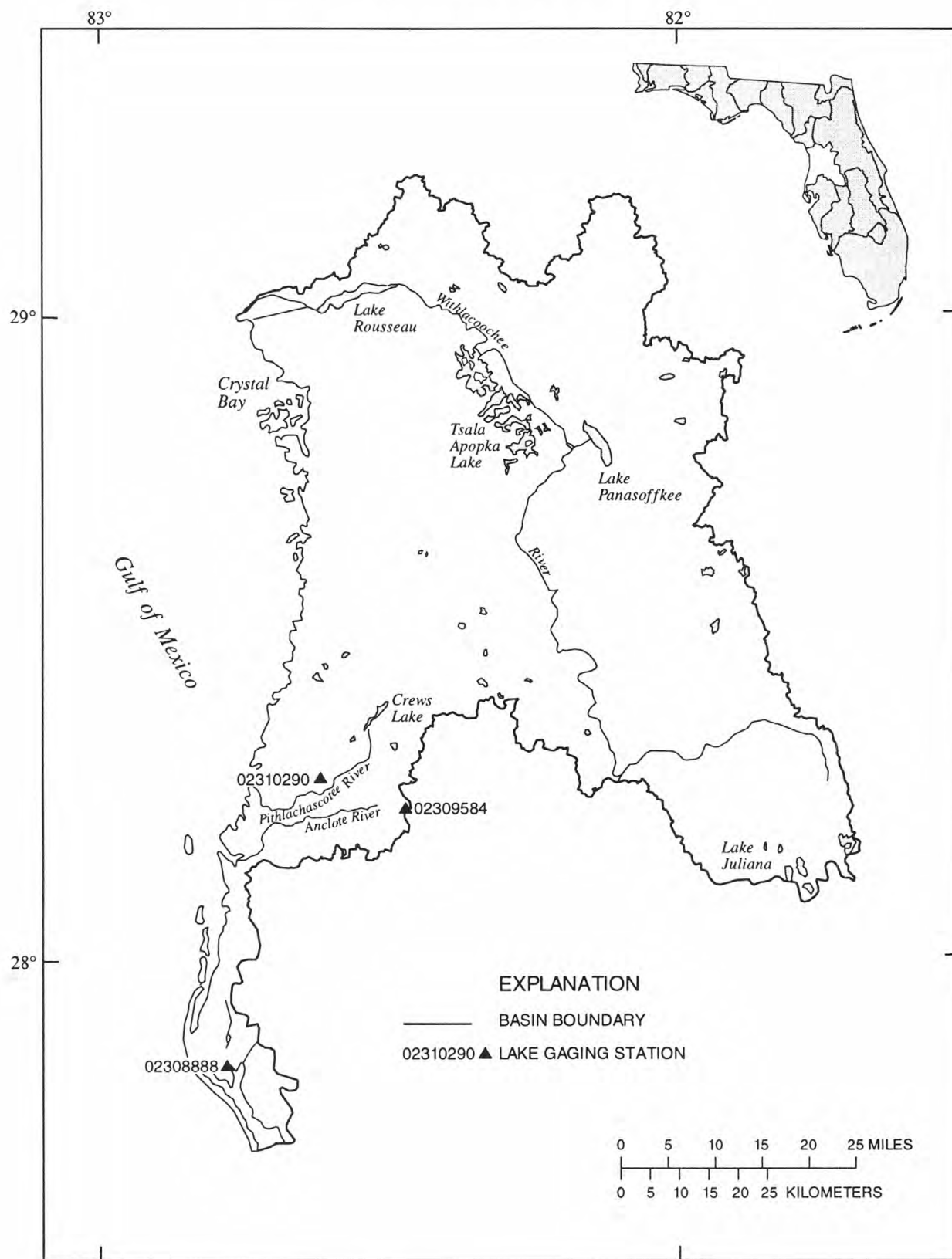


Figure 20.--Location of lake gaging stations in the Coastal area from Tampa Bay to Withlacoochee River.

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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COASTAL AREA FROM TAMPA BAY TO WITHLACOCHEE RIVER

02308888 SEMINOLE LAKE NEAR LARGO, FL

LOCATION.--Lat 27°50'20", long 82°46'50", in SE $\frac{1}{4}$ 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 mi²).

DRAINAGE AREA.--6.94 mi².

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, 5.38 ft, Apr. 28; minimum observed, 4.58 ft, June 26.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

Oct. 10.....	5.18	Apr. 28.....	5.38
Jan. 14.....	4.92	June 26.....	4.58
Mar. 17.....	4.74	Aug. 13.....	5.00

COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHEE RIVER

02309584 LAKE THOMAS AT DREXEL, FL

LOCATION.--Lat 28°14'14", long 82°28'08", in NE¹/₄ 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 mi²).

DRAINAGE AREA.--1.0 mi², approximately.

PERIOD OF RECORD.--April 1968 to September 1992; October 1992 to September 1994 (weekly), incomplete; October 1994 to current year (bimonthly).

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, 71.34 ft, Aug. 8, 1977, June 12, 13, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 73.75 ft, Oct. 1; minimum observed, 71.85 ft, June 23.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

[illegible]

PEACE, HILLSBOROUGH RIVERS AND WESTERN COASTAL AREA

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COASTAL AREA FROM TAMPA BAY TO WITHLACOOCHIE RIVER

02310290 MOON LAKE NEAR NEW PORT RICHEY, FL

LOCATION.--Lat 28°17'07", long 82°37'00", in NW¹/₄ 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 mi²).

DRAINAGE AREA.--0.37 mi².

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, 40.94 ft, Aug. 1, 3, 1984; minimum observed, 34.96 ft, June 7, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 39.22 ft, Oct. 11; minimum observed, 35.61 ft, Sept. 24.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	38.89	---	38.16	---	---	---	---	---	---	36.27	36.03
2	38.92	---	38.52	---	---	---	37.25	37.05	36.66	36.41	---	---
3	---	---	---	38.15	37.85	37.57	---	---	---	---	---	35.99
4	38.97	38.83	38.47	---	---	---	37.21	---	36.63	36.37	36.33	---
5	---	---	---	---	37.83	37.55	---	37.01	---	---	---	36.00
6	---	38.81	38.45	38.11	---	---	---	---	36.57	---	36.35	---
7	39.11	---	---	---	37.81	37.53	37.15	36.95	---	36.33	---	---
8	---	38.81	---	38.09	---	---	---	---	---	---	36.31	35.91
9	39.21	---	38.45	---	---	---	37.11	36.91	36.55	36.29	---	---
10	---	---	---	38.11	37.78	37.45	---	---	---	---	---	35.86
11	39.22	38.77	38.41	---	---	---	37.05	---	36.53	36.29	36.34	---
12	---	---	---	---	37.76	37.41	---	36.85	---	---	---	35.82
13	---	38.71	38.38	38.09	---	---	---	---	36.51	---	36.31	35.76
14	39.15	---	---	---	37.74	37.39	37.01	36.81	---	36.21	---	---
15	---	38.69	---	38.05	---	---	---	---	---	---	36.27	35.75
16	39.13	---	38.34	---	---	---	37.05	36.79	36.45	36.17	---	---
17	---	---	---	38.03	37.71	37.37	---	---	---	---	---	35.72
18	39.13	38.61	38.33	---	---	37.35	37.01	---	36.41	36.17	36.23	---
19	---	---	---	---	37.68	37.35	---	36.71	---	---	---	---
20	---	38.59	38.27	37.97	---	---	---	---	36.37	---	36.25	---
21	39.07	---	---	---	37.67	37.33	36.95	36.69	---	36.29	---	---
22	---	38.57	---	37.95	---	---	---	---	---	---	36.27	35.63
23	39.05	---	38.25	---	---	---	36.93	36.63	36.25	36.29	---	---
24	---	---	---	37.92	37.65	37.31	---	---	---	---	---	35.61
25	39.01	38.53	38.23	---	---	---	36.97	---	36.43	36.25	36.19	---
26	---	---	---	---	37.65	37.37	---	36.65	---	---	---	35.62
27	---	38.51	38.20	37.92	37.64	---	---	---	36.41	---	36.15	35.97
28	38.97	---	---	---	37.63	37.35	37.09	36.63	---	36.29	---	---
29	---	38.47	---	37.90	---	---	---	---	---	36.30	36.13	36.27
30	38.93	---	38.17	---	---	---	37.07	36.67	36.43	36.29	---	---
31	---	---	---	37.89	---	37.27	---	---	---	---	---	---

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BAKER CREEK AT MCINTOSH ROAD NEAR ANTIOCH, FL	225
BIG SLOUGH CANAL NEAR MYAKKA CITY, FL	122
BIG SLOUGH CANAL NEAR NORTH PORT CHARLOTTE, FL	123
BLACKWATER CREEK NEAR KNIGHTS, FL	219
BOWLEGS CREEK NEAR FT. MEADE, FL	66
BRADEN RIVER AT BRADENTON, FL	186
BRADEN RIVER NEAR ELWOOD PARK, FL	158
BRADEN RIVER NEAR LORRAINE, FL	143
BRADEN RIVER NEAR VERNA, FL	290
BROOKER CREEK AT VAN DYKE ROAD NEAR CITRUS PARK, FL	270
BROOKER CREEK NEAR TARPON SPRINGS, FL	271
BRUSHY CREEK NEAR CITRUS PARK, FL	267
BRUSHY CREEK NEAR SULPHUR SPRINGS, FL	266
BUFFUM, LAKE, NEAR ALTURAS, FL	392
BULLFROG CREEK NEAR WIMAUMA, FL	200
CARROLL, LAKE, NEAR SULPHUR SPRINGS, FL	400
CARTER CREEK NEAR SEBRING, FL	39
CEDAR CREEK NEAR SARASOTA, FL	151
CHARLIE CREEK NEAR CREWSVILLE, FL	289
CHARLIE CREEK NEAR GARDNER, FL	74
CHARLOTTE HARBOR AT PORT BOCA GRANDE, FL	45
CLINCH, LAKE, AT FROSTPROOF, FL	360
COOPER CREEK AT UNIVERSITY PARKWAY NEAR SARASOTA, FL	147
CROOKED LAKE NEAR BABSON PARK, FL	359
CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL	217
CYPRESS CREEK AT WORTHINGTON GARDENS, FL	233
CYPRESS CREEK NEAR SAN ANTONIO, FL	231
CYPRESS CREEK NEAR SULPHUR SPRINGS, FL	236
DEER PRAIRIE SLOUGH NEAR MYAKKA CITY, FL	120
DEER PRAIRIE SLOUGH AT POWER LINE NEAR NORTH PORT, FL	121
DELANEY CREEK NEAR TAMPA, FL	213
DOSSON LAKE NEAR LUTZ, FL	404
ESTECH POND CLAY SETTLING AREA OUTFALL NEAR FT. MEADE, FL	67
FANNIE, LAKE, NEAR FLORENCE VILLA, FL	375
GAP CREEK NEAR BRADENTON, FL	182
GEORGE, LAKE, AT LAKE ALFRED, FL	371
GLEN CREEK NEAR BRADENTON, FL	184
GRASSY LAKE NEAR EAGLE LAKE, FL	389
HALFMOON LAKE NEAR CITRUS PARK, FL	403
HAMILTON, LAKE, NEAR LAKE HAMILTON, FL	377
HARVEY, LAKE, NEAR LUTZ, FL	401
HAWTHORN CREEK NEAR NOCATEE, FL	289
HEALTH SPRING NEAR OZONZ, FL	298
HENRY STREET CANAL NEAR TAMPA, FL	264

HICKORY HAMMOCK CREEK NEAR LORRAINE, FL	145
HILLSBOROUGH RIVER ABOVE CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL	214
HILLSBOROUGH RIVER AT ROWLETT PARK DRIVE NEAR TAMPA, FL	242
HILLSBOROUGH RIVER AT FOWLER AVENUE NEAR TEMPLE TERRACE, FL	239
HILLSBOROUGH RIVER AT MORRIS BRIDGE NEAR THONOTOSASSA, FL	226
HILLSBOROUGH RIVER AT PLATT STREET NEAR TAMPA, FL	255
HILLSBOROUGH RIVER AT SULPHUR SPRINGS, FL	249
HILLSBOROUGH RIVER BELOW CRYSTAL SPRINGS NEAR ZEPHYRHILLS, FL	292
HILLSBOROUGH RIVER NEAR TAMPA, FL	240
HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL	222
HOLLIN CREEK NEAR TARPON SPRINGS, FL	278
HOLLINGSWORTH, LAKE, AT LAKE PLACED, FL	386
HOMOSASSA SPRINGS AT HOMOSASSA SPRINGS, FL	286
HORSE CREEK NEAR ARCADIA, FL	85
HORSE CREEK NEAR LIMESTONE, FL	289
HORSE CREEK NEAR MYAKKA HEAD, FL	83
HORSE CREEK NEAR NOCATEE, FL	290
HOWARD, LAKE, AT WINTER HAVEN, FL	381
ISIS, LAKE, AT AVON PARK, FL	356
ITCHEPACKESASSA CREEK NEAR KNIGHTS, FL	291
JACKSON, LAKE, AT SEBRING, FL	362
JOSEPHINE CREEK NEAR DE SOTO CITY, FL	41
JOSEPHINE, LAKE, NEAR DE SOTO CITY, FL	363
JOSHUA CREEK AT NOCATEE, FL	81
JUNE-IN-WINTER, LAKE, NEAR LAKE PLACID, FL	368
KEYSTONE LAKE NEAR ODESSA, FL	406
LITHIA SPRINGS NEAR LITHIA, FL	210
LITTLE MANATEE RIVER NEAR FORT LONESOME, FL	196
LITTLE MANATEE RIVER NEAR WIMAUMA, FL	198
LIVINGSTON CREEK NEAR FROSTPROOF, FL	37
LOTELA, LAKE, NEAR AVON PARK, FL	361
MANATEE RIVER AT DEVIL'S ELBOW NEAR FORT HAMER, FL	129
MANATEE RIVER AT FORT HAMER, FL	136
MANATEE RIVER NEAR MYAKKA HEAD, FL	127
MOON LAKE NEAR NEW PORT RICHEY, FL	413
MYAKKA RIVER AT MYAKKA CITY, FL	114
MYAKKA RIVER NEAR SARASOTA, FL	116
NONSENSE CREEK NEAR BRADENTON, FL	155
NORTH PRONG ALAFIA RIVER AT KEYSVILLE, FL	202
OLIVIA, LAKE, AT AVON PARK, FL	353
OTIS, LAKE, AT WINTER HAVEN, FL	376
PADGETT, LAKE, NEAR LUTZ, FL	398
PARKER LAKE AT LAKELAND, FL	385
PARKER LAKE OUTLET AT LAKELAND, FL	292
PAYNE CREEK NEAR BOWLING GREEN, FL	69
PEACE CREEK DRAINAGE CANAL NEAR WAHNETA, FL	47
PEACE RIVER AT ARCADIA, FL	76
PEACE RIVER AT BARTOW, FL	60
PEACE RIVER AT FT. MEADE, FL	63
PEACE RIVER AT HARBOUR HEIGHTS, FL	87

PEACE RIVER AT ZOLFO SPRINGS, FL	71
PEACE RIVER NEAR HOMELAND, FL	293
PEMBERTON CREEK NEAR DOVER, FL.....	292
PHILLIPPI CREEK NEAR BEE RIDGE, FL.....	125
PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL	279
PITHLACHASCOTEE RIVER NEAR NEW PORT RICHEY, FL.....	281
PLACID LAKE NEAR LAKE PLACID, FL	367
PRAIRIE CREEK NEAR FORT OGDEN, FL	103
RATTLESNAKE SLOUGH NEAR SARASOTA, FL	153
ROCKY CREEK AT STATE HIGHWAY 587 NEAR CITRUS PARK, FL	265
ROCKY CREEK NEAR SULPHUR SPRINGS, FL	269
ROUND LAKE NEAR ELOISE, FL	382
ROUND LAKE NEAR LUTZ, FL	399
SADDLE BLANKET LAKE (WEST) NEAR FROSTPROOF, FL	350
SADDLE CREEK AT STATE HIGHWAY 542 NEAR LAKE LAND, FL	58
SADDLE CREEK AT STRUCTURE P-11 NEAR BARTOW, FL	59
SADDLE CREEK PARK OVERFLOW NEAR LAKE LAND, FL	292
SAWGRASS LAKE NEAR PINELLAS PARK, FL	408
SCOTT LAKE NEAR LAKE LAND, FL	397
SEMINOLE LAKE NEAR LARGO, FL	411
SHELL CREEK NEAR PUNTA GORDA, FL	105
SHELL CREEK TIDAL (2.8 RM) NEAR PUNTA GORDA, FL	107
SMART, LAKE, NEAR FLORENCE VILLA, FL	374
SOUTH BRANCH ANCLOTE RIVER NEAR ODESSA, FL	275
SOUTH FORK LITTLE MANATEE RIVER NR DUETTE, FL	291
SOUTH PRONG ALAFIA RIVER NEAR LITHIA, FL	206
STARR, LAKE, NEAR WAVERLY, FL	378
STARVATION, LAKE, NEAR LUTZ, FL.....	405
SULPHUR SPRINGS AT SULPHUR SPRINGS, FL	254
SWEETWATER CREEK NEAR SULPHUR SPRINGS, FL	262
SWEETWATER CREEK NEAR TAMPA, FL	263
SWIM LAKE NEAR ALCOMA, FL	347
TARPON, LAKE, CANAL AT S-551, NEAR OLDSMAR, FL	298
TARPON, LAKE, NEAR TARPON SPRINGS, FL	295
TENOROC DITCH AT BLUE HOLE NEAR LAKE LAND, FL.....	292
TENOROC DITCH (SITE 19) NEAR LAKE LAND, FL.....	50
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THOMAS, LAKE, AT DREXEL, FL	412
THOMPSON BRANCH NEAR WAUCHULA, FL	289
TIGER CREEK NEAR BABSON PARK, FL	35
TRIBUTARY NO. 1 TO BRADEN RIVER NEAR LORRAINE, FL	290
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TRIBUTARY TO MYAKKA RIVER NEAR VENICE, FL	119
TROUT CREEK NEAR SULPHUR SPRINGS, FL	229

TROUT CREEK NEAR TEMPLE TERRACE, FL	292
TURKEY FORD LAKE NEAR LUTZ, FL	402
WALKER CREEK NEAR SARASOTA, FL.....	126
WARD LAKE NEAR BRADENTON, FL	395
WARD LAKE OUTFALL NEAR BRADENTON, FL	157
WEEKI WACHEE RIVER NEAR BROOKSVILLE, FL	285
WEEKI WACHEE SPRINGS NEAR BROOKSVILLE, FL	283
WILLIAMS POND CLAY SETTLING AREA OUTFALL NEAR LAKELAND, FL	48
WILLIAMS CREEK NEAR BRADENTON, FL	180
WINDOM SLOUGH NEAR NORTH PORT CHARLOTTE, FL.....	118
WOLF SLOUGH AT LORRAINE, FL.....	290

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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U.S. DEPARTMENT OF THE INTERIOR
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227 N. Bronough Street, Suite 3015
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