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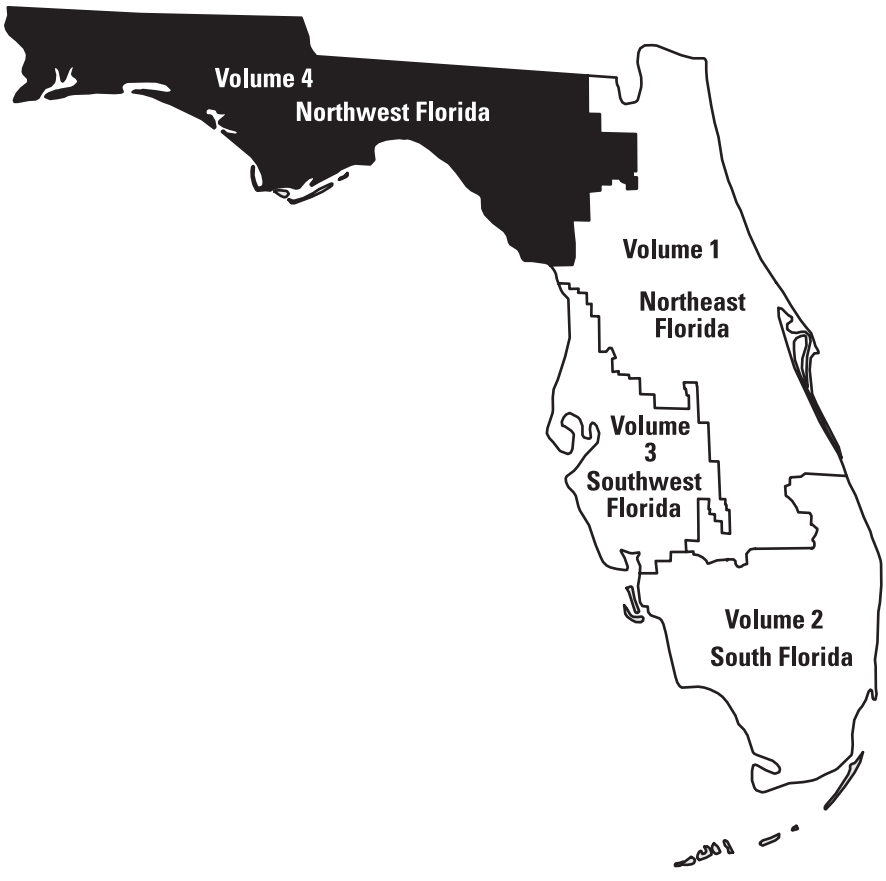
Water Resources Data Florida Water Year 2004

Volume 4. Northwest Florida



Water-Data Report FL-04-4

U.S. Department of the Interior
U.S. Geological Survey

Calendar for Water Year 2004

2003

October

S	M	T	W	T	F	S
			1	2	3	4
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2004

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August

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September

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26	27	28	29	30		

Water Resources Data
Florida
Water Year 2004

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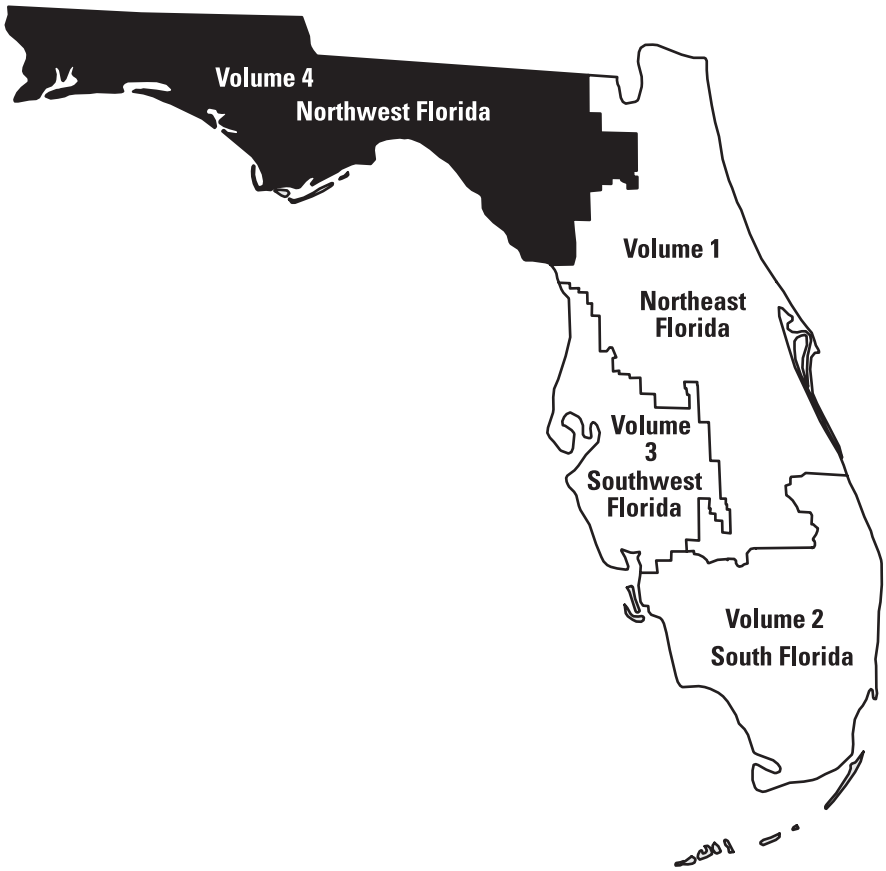

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PREFACE

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

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

This report was prepared for publication by Darlene A. Blum and A. Ernie Alvarez under the supervision of Stewart A. Tomlinson and James D. Goin. The following individuals contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT *(Maximum 200 words)*

This report series for the 2004 water year for the state of Florida consists of records for continuous or daily discharge for 405 streams, periodic discharge for 12 streams, continuous or daily stage for 159 streams, periodic stage for 19 streams, peak stage and discharge for 30 streams, continuous or daily elevations for 14 lakes, periodic elevations for 23 lakes, continuous ground-water levels for 408 wells, periodic ground-water levels for 1,188 wells, and quality-of-water for 140 surface-water sites and 240 wells.

This volume (Volume 4, Northwest Florida) contains records of continuous or daily discharge for 75 streams, periodic discharge for 2 streams, continuous or daily stage for 11 streams, periodic stage for 2 streams, peak stage and discharge for 22 streams, continuous or daily elevations for 1 lake, periodic elevations for 0 lakes, continuous ground-water levels for 3 wells, periodic ground-water levels for 0 wells, and quality-of-water for 3 surface-water sites and 0 wells.

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

14. SUBJECT TERMS
*Florida, *Hydrologic data, *Surface water, *Ground water, *Water-quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations, Water wells

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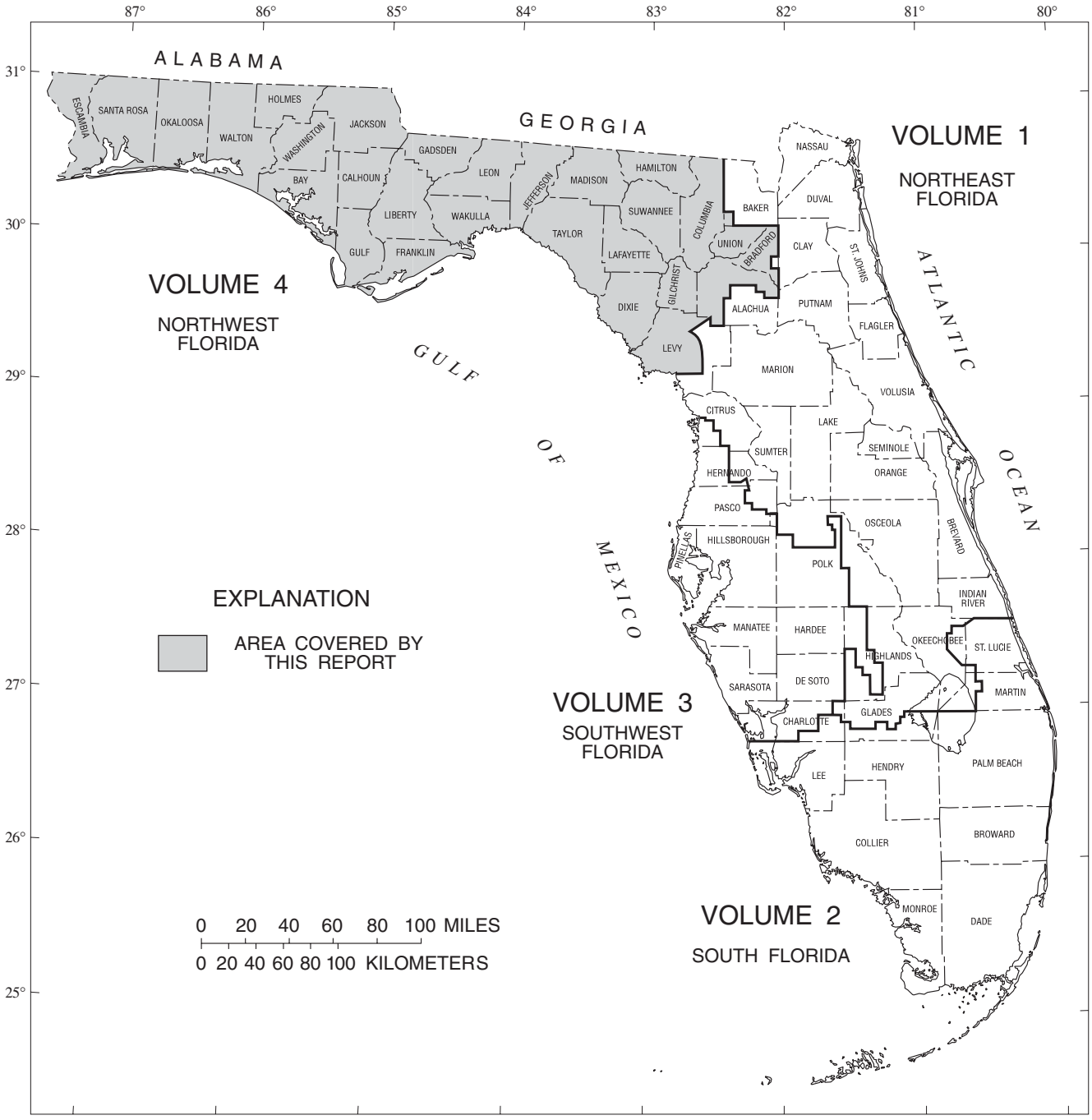

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SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

[Letters after station names designate type of data: (d) discharge, (q) discharge measurements only, (c) chemical, (b) biological, (m) microbiological, (s) sediment, (t) temperature, (e) elevation, gage heights, or contents]

	Station Number	Page
OKLAWAHA RIVER BASIN		
Moores Pond Tributary near Micanopy, FL (e)	022409424	41
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Waccasassa River near Gulf Hammock, FL (d,c,t)	02313700	42
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Suwannee River at White Springs, FL (d,e)	02315500	46
Withlacoochee River near Pinetta, FL (d)	02319000	48
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Withlacoochee River near Lee, FL (d)	02319394	50
Suwannee River at Ellaville, FL (d,e)	02319500	51
Suwannee River at Dowling Park, FL (d,e)	02319800	53
Suwannee River at Luraville, FL (d,e)	02320000	55
Troy Spring near Branford, FL (q)	02320250	57
Suwannee River at Branford, FL (d,e)	02320500	58
New River near Lake Butler, FL (d)	02321000	60
Santa Fe River at Worthington Springs, FL (d,e)	02321500	61
Bad Dog Run near Alachua, FL (d)	02322049	63
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Ichetucknee Head Spring near Hildreth, FL (d)	02322685	65
Cedar Head Spring near Hildreth, FL (d)	02322687	66
Blue Hole Spring near Hildreth, FL (d)	02322688	67
Mission Springs Complex near Hildreth, FL(d)	02322691	68
Devil's Eye Spring near Hildreth, FL (d)	02322694	69
Mill Pond Spring near Hildreth, FL (d)	02322695	70
Ichetucknee River at Dampier's Landing near Hildreth, FL (d)	02322698	71
Coffee Springs near Hildreth, FL (q)	02322699	72
Ichetucknee River at Highway 27 near Hildreth, FL (d)	02322700	73
Santa Fe River near Hildreth, FL (d)	02322800	74
Suwannee River near Bell, FL (d)	02323000	75
Suwannee River near Wilcox, FL (d,e)	02323500	76
Fanning Spring near Wilcox, FL (d)	02323502	78
Little Fanning Springs near Wilcox, FL (q)	02323505	79
Manatee Spring near Chiefland, FL (d)	02323566	80
Suwannee River above Gopher River near Suwannee, FL (d,e,c,t)	02323592	81
STEINHATCHEE RIVER BASIN		
Steinhatchee River near Cross City, FL (d)	02324000	85
FENHOLLOWAY RIVER BASIN		
Fenholloway River near Foley, FL (d)	02324400	86
Fenholloway River near Perry, FL (d)	02325000	87
ECONFINA RIVER BASIN		
Econfina River near Perry, FL (d)	02326000	88
AUCILLA RIVER BASIN		
Palmer Mill Branch at Monticello, FL (d)	02326372	89
Aucilla River near mouth near Nutall Rise, FL (d,c,t)	02326550	90
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St. Marks River near Newport, FL (d)	02326900	96
OCHLOCKONEE RIVER BASIN		
Lost Creek at Arran, FL (d)	02327033	97
Sopchoppy River near Sopchoppy, FL (d)	02327100	98
Ochlockonee River near Concord, FL (d)	02328522	99

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

[Letters after station names designate type of data: (d) discharge, (q) discharge measurements only, (c) chemical, (b) biological, (m) microbiological, (s) sediment, (t) temperature, (e) elevation, gage heights, or contents]

	Station Number	Page
Ochlockonee River near Havana, FL (d,e)	02329000	100
St. Matthews Church Branch near Quincy, FL (d)	02329558	102
Little River near Midway, FL (d)	02329600	103
Lake Talquin near Bloxham, FL (e)	02329900	161
Ochlockonee River near Bloxham, FL (d)	02330000	104
Telogia Creek near Bristol, FL (d)	02330100	105
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Spring Creek near Reynoldsville, GA (d)	02357150	109
Apalachicola River at Chattahoochee, FL (d,s,e)	02358000	110
Apalachicola River near Blountstown, FL (d,e)	02358700	113
Muddy Branch near Marianna, FL (d)	02358784	117
Chipola River at Marianna, FL (d)	02358789	118
Jackson Blue Spring near Marianna, FL (d)	02358795	119
Chipola River near Altha, FL (d)	02359000	121
Chipola River at Cockran Landing near Wewahitchka, FL (d,e)	02359051	122
Apalachicola River near Sumatra, FL (d,s,e)	02359170	126
ECONFINA CREEK BASIN		
Martin Bayou at US 98 at Springfield, FL (d)	02359315	130
Econfina Creek near Bennett, FL (d)	02359500	131
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Choctawhatchee River near Pittman, FL (d)	02365200	132
Wrights Creek at SH 177A near Bonifay, FL (d)	02365470	133
Choctawhatchee River at Caryville, FL (d)	02365500	134
Bruce Creek at SH 81 near Redbay, FL (d)	02365769	135
Choctawhatchee River near Bruce, FL (d)	02366500	136
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Alaqua Creek near Pleasant Ridge, FL (d)	02366996	137
YELLOW RIVER BASIN		
Yellow River near Oak Grove, FL (d)	02367900	138
Yellow River at Milligan, FL (d)	02368000	139
Caney Creek Tributary No.2 near Paxton, FL (d)	02368326	140
Shoal River near Mossy Head (d)	02368500	141
Shoal River near Crestview, FL (d)	02369000	142
Yellow River near Milton, FL (d)	02369600	143
BLACKWATER RIVER BASIN		
Blackwater River near Baker, FL (d)	02370000	144
Big Coldwater Creek near Milton, FL (d)	02370500	145
Pond Creek near Milton, FL (d)	02370700	146
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BAYOU MARCUS CREEK BASIN		
Bayou Marcus Creek near Pensacola, FL (d)	02376100	149
ELEVENMILE CREEK BASIN		
ElevenMile Creek near Pensacola, FL (d)	02376115	150

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Perdido River at Barrineau Park, FL (d) 02376500 153

GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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300740084293001 166
301446084184601 167

WASHINGTON COUNTY
303025085350501 169

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations (gaging stations) in Florida have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) 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.† Includes drainage area for Otter Creek.

Station name	Station number	Drainage area (mi^2)	Period of record
Waccasassa River near Otter Creek, FL	02313500	300†	1944-53
Otter Creek at Otter Creek, FL	02314000		1945-53
Tenmile Creek near Lebanon Station. FL	02314200	26	1963-92
Alligator Creek near Fargo, GA	0231427398		1999-02
Bay Creek near Fargo, GA	0231427399		1999-02
Suwannee River at Sill near Fargo, GA	02314274		1999-02
North Fork Suwannee River at Sill near Fargo, GA	023142741		1999-02
Rocky Creek near Belmont, FL	02314986	50	1976-83
Suwanee River near Benton, FL	02315000	2090	1975-02
Hunter Creek near Belmont, FL	02315005	25.4	1979-88
Deep Creek near Suwannee Valley, FL	02315200	88.6	1976-81
			1990-98
Robinson Creek near Suwannee Valley, FL	02315392	27.4	1976-81
Swift Creek at Facil, FL	02315520	65.3	1976-88
Suwannee River at Suwannee Springs, FL	02315550	2630	1975-96
Alapaha River near Jennings, FL	02317620	1680	1976-84
			1986-87
			2000-01
Santa Fe River near Graham, FL	02320700	94.9	1957-98
Swift Creek near Lake Butler, FL	02321700	46.0	1957-60
Olustee Creek near Providence, FL	02321800	163	1957-60
Pareners Branch near Bland, FL	02321900	4.5	1993-96
Santa Fe River at US Hwy 441 near High Springs, FL	02321975	859	1992-02
Santa Fe River near High Springs, FL	02322000	950	1931-71
Blues Creek near Gainesville, FL	02322016	5.12	1984-94
Cannon Creek near Lake City, FL	02322616	2.33	1992-98
Steinhatchee River at Steinhatchee, FL	02324170	582	1988-91
Fenholloway River at Foley, FL	02324500	120	1946-92
			1993-95
Aucilla River at Lamont, FL	02326500	747	1950-79
			2000-01
Aucilla River near Scanlon, FL	02326512	805	1977-97
Northeast Drainage Ditch at Weems Road, FL	02326845	17.1	1979-83
Munson Slough at Capital Circle, FL	02327017	52.9	1979-83
Little River near Quincy, FL	02329500	237	1950-91
Quincy Creek at S267 at Quincy, FL	02329534	16.8	1974-92
Quincy Creek at Quincy, FL	02329542	21.9	1974-78
Rocky Comfort Creek near Quincy, FL	02329700	9.46	1964-81
New River near Wilma, FL	02330300	81.7	1964-81
North Mosquito Creek at Chattahoochee, FL	02358500	57.9	1936-42
Apalachicola River near Wewahitchka, FL	02358754	17800	1950-96

Station name	Station number	Drainage area (mi^2)	Period of record
Econfina Creek near Compass Lake, FL	02359350	40.5	1962-65
Econfina Creek near Fountain, FL	02359450	70.2	1965-78
Bear Creek near Youngstown, FL	02359550	67.2	1962-65
Seven Runs Bay near Redbay, FL	02365800	25.8	1969-70
Holmes Creek at Vernon, FL	02366000	386	1950-81
Magnolia Creek near Freeport, FL	02366900	11.2	1968-83
Alaqua Creek near DeFuniak Springs, FL	02367000	65.6	1951-78
Alaqua Creek near Portland, FL	02367006	83.7	1977-94
Rocky Creek near Portland, FL	02367240	42.4	1980-83
Rocky Creek near Niceville, FL	02367250	67.0	1966-68
Turkey Creek near Niceville, FL	02367305	22.7	1966-68
Turkey Creek at SR123 near Niceville, FL	02367307	30.1	1980-81
Juniper Creek at State Hwy. 85 near Niceville, FL	02367310	27.6	1966-75, 1978-93
East Bay River near Wynnehaven Beach, FL	02367320	62.0	1966-68
Turkey Creek at Government RR near Niceville, FL	02367355	60.8	1977-81
Turtle Creek near Ocean City, FL	02367390	22.3	1977-81
Baggett Creek near Milligan, FL	02368300	7.80	1965-82
Pond Creek near Dorcas, FL	02368800	94.8	1966-68
Titi Creek near Crestview, FL	02368990	62.9	1966-68
Yellow River near Holt, FL	02369500	1210	1933-41
Big Juniper Creek near Munson, FL	02370200	36.0	1958-67
West Fork Big Coldwater at Cobbtown, FL	02370300	39.5	1958-62
Pine Barren Creek near Barth, FL	02376000	75.3	1952-94
Eightmile Creek near West Pensacola, FL	02376140	11.2	1988-91
Brushy Creek near Walnut Hill, FL	02376300	49.0	1958-91
Jacks Branch near Muscogee, FL	02376700	23.2	1958-62
Ward Creek below Mitchell Pond near Metcalf, GA	304308083555200		1999-03

† Includes drainage area for Otter Creek

INTRODUCTION

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

This report series for the 2004 water year for the state of Florida consists of records for continuous or daily discharge for 405 streams, periodic discharge for 12 streams, continuous or daily stage for 159 streams, periodic stage for 19 streams, peak stage and discharge for 30 streams, continuous or daily elevations for 14 lakes, periodic elevations for 23 lakes, continuous ground-water levels for 408 wells, periodic ground-water levels for 1,188 wells, and quality-of-water for 140 surface-water sites and 240 wells.

This volume (Volume 4, Northwest Florida) contains records of continuous or daily discharge for 75 streams, periodic discharge for 2 streams, continuous or daily stage for 11 streams, periodic stage for 2 streams, peak stage and discharge for 22 streams, continuous or daily elevations for 1 lake, periodic elevations for 0 lakes, continuous ground-water levels for 3 wells, periodic ground-water levels for 0 wells, and quality-of-water for 3 surface-water sites and 0 wells.

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

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text products Section, U.S. Geological Survey, Branch of Information Services, Open-File Reports Section, Box 25286, Federal Center, Denver, CO 80225-00286.

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-04-4." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

Florida Department of Environmental Protection
Florida Department of Transportation
Corps of Engineers, U.S. Army, Mobile District
County of Okaloosa
County of Santa Rosa
County of Walton
Suwannee River Water Management District
Northwest Florida Water Management District
City of Tallahassee

SUMMARY OF HYDROLOGIC CONDITIONS

During the 2004 water year (October 1, 2003, to September 30, 2004), the U.S. Geological Survey (USGS), Tallahassee Office, monitored continuous or daily discharge for 75 streams, periodic discharge for 2 streams, periodic stage for 2 streams, continuous or daily stage for 11 streams, peak stage and discharge for 22 streams, continuous or daily elevations for 1 lake, continuous ground-water levels for 3 wells, and quality-of-water for 3 streams in northwest Florida in cooperation with various local, State, and Federal agencies.

Precipitation

Precipitation across northwest Florida during the 2004 water year varied. Based on precipitation data at seven National Oceanic and Atmospheric Administration (NOAA) stations, (Lake City, Perry, Tallahassee, Apalachicola, Panama City, Crestview, and Pensacola), total precipitation for the water year ranged from 43.34 inches (in.) at Apalachicola to 72.99 in. at Lake City. The cumulative monthly departures for the water year ranged from 18.12 in. below normal at Panama City to 19.39 in. above normal at Lake City.

Precipitation during the fall quarter (October-December), one of the dryer periods, varied at the seven locations. The most below normal rainfall was 3.74 in. at Pensacola, and the most above normal rainfall was 4.18 in. at Perry. The most near normal rainfall was 0.84 in. below normal at Lake City.

For the winter quarter (January-March), normally a wet period, all seven locations reported well below normal rainfall ranging from 6.77 in. below normal at Crestview to 3.74 in. below normal at Lake City. Apalachicola reported the driest March on record with 0.06 in. of rainfall (4.89 in. below normal). Tallahassee and Panama City reported their second-driest March on record with 0.24 and 0.82 in. of rainfall (6.23 and 5.40 in. below normal), respectively. The record lowest March rainfall totals for Tallahassee and Panama City were 0.18 in. (1908) and 0.55 in. (1963), respectively.

Rainfall for the spring quarter (April-June) varied at the seven locations from below normal to above normal. The most below normal rainfall for the quarter was 5.54 in. at Panama City, whereas the most above normal rainfall was 3.75 in. at Perry. The most near normal rainfall was 0.40 in. below normal at Tallahassee.

During the summer quarter (July-September), normally the wet thunderstorm season, rainfall varied from well below to well above normal. The most below normal rainfall for the quarter was 6.07 in. at Apalachicola, whereas the most above normal rainfall was 26.84 in. at Lake City.

The following summary lists the total rainfall and departure from the 30-year normal (1971-2000) for each of the stations. Values are given in inches.

Table 1: Total rainfall and departure from the 30-year normal (1971-2000)

Station name	October - December		January - March		April - June		July - September		Water year	
	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure
Lake City	7.36	-0.84	9.29	-3.74	10.90	-2.87	45.44	26.84	72.99	19.39
Perry	13.27	4.18	8.68	-5.35	16.42	3.75	25.20	3.31	63.57	5.89
Tallahassee	9.33	-1.88	10.88	-5.58	15.06	-0.40	21.68	1.60	56.95	-6.26
Apalachicola	12.36	1.05	7.59	-5.99	7.76	-2.16	15.63	-6.07	43.34	-13.17
Panama City	9.42	-2.67	12.59	-4.08	8.06	-5.54	16.57	-5.83	46.64	-18.12
Crestview	8.50	-2.32	11.69	-6.77	15.43	-1.18	23.13	5.08	58.75	-5.19
Pensacola	8.82	-3.74	11.72	-4.70	15.30	0.62	22.60	1.98	58.44	-5.84

Surface Water

Monthly mean flows for central-northwest and west-northwest Florida varied from below normal to above normal throughout the 2004 water year, whereas monthly mean flows for east-northwest Florida averaged below normal during most of the water year. Monthly mean flows during September, primarily in the Suwannee River Basin, averaged well above normal due to the effects of Hurricanes Frances and Jeanne.

During August and September 2004, Florida had a very active hurricane season by experiencing the effects of five tropical systems, including Tropical Storm Bonnie and Hurricanes Charley, Frances, Ivan, and Jeanne. Hurricanes Frances and Jeanne had significant

effects on the Suwannee River Basin, whereas the effects from Tropical Storm Bonnie were relatively minor. Tropical Storm Bonnie made landfall just south of Apalachicola as a weak tropical storm and moved across northwest Florida and through the Suwannee River Basin producing varying amounts of rainfall throughout the region from August 12-13. Based on data from NOAA, rainfall totals from Tropical Storm Bonnie ranged from about 2.00 in. to 8.00 in. across northwest Florida. Flow increases reported in August were attributed to the landfall of Tropical Storm Bonnie, but were considered insignificant.

Hurricane Frances made landfall on the east coast of Florida on the southern end of Hutchinson Island (St. Lucie County) on the morning of September 5, as a category two hurricane with sustained wind speeds of about 105 miles per hour (mi/hr) and an estimated pressure of about 959 millbars (mb). The storm moved across Florida and into the Gulf of Mexico near New Port Richey as a tropical storm. Frances made a second Florida landfall as a tropical storm near the mouth of the Aucilla River with maximum sustained winds of about 60 mi/hr and pressure near 982 mb at the time of landfall. The system produced heavy amounts of rainfall in the Suwannee, Waccasassa, Steinhatchee, Fenholloway, Econfina and Aucilla River Basins before moving into Alabama and Georgia. Based on data from NOAA, rainfall in these basins totaled up to 15 in. at several stations throughout the storm event causing significant increases in flow within the basins. Unoffical reports from residents near the Waccasassa River near Gulf Hamock streamgage state that local rainfall during Hurricane Frances ranged from 31 in. to 33 in. over a three-day period, which produced the second highest instantaneous peak discharge for this streamgage's period of record (1963-2004).

Three weeks after the passing of Hurricane Frances, Hurricane Jeanne made landfall as a category three storm on the east coast of Florida at the southern end Hutchinson Island on the morning of September 26, with wind speeds of up to 114 mi/hr and minimum pressure estimated at 950 mb at the time of landfall. Hurricane Jeanne weakened to tropical storm status as it moved across Florida just north of Tampa before turning to the north moving through several basins in east-northwest Florida and into central Georgia. Based on data from NOAA, rainfall in the Suwannee River Basin totaled up to 7 in. at several stations during the storm event causing significant increases in flow at the streamgages within the basin.

Table 2 provides data of the date and time for the instantaneous peak stage and discharge reported at several streamgages throughout the affected area. None of these peaks were records at these gages.

Table 2: Date and time of instantaneous peak stage and discharge produced by Hurricanes Frances and Jeanne

Station number	Station name	Instantaneous peak stage (feet)	Instantaneous peak discharge (cubic feet per second)	Date and time of peak
02313700	Waccasassa River near Gulf Hammock, FL	15.93+	8,330#	09/06/04 at 19:45+ 09/08/04 at 19:00#
02315500	Suwannee River at White Springs, FL	84.03	17,600	10/03/04 at 22:00*
02319000	Withlacoochee River near Pinetta, FL	30.22	17,900	10/04/04 at 12:00*
02319500	Suwannee River at Ellaville, FL	29.66	33,100	10/08/04 at 01:00*
02320500	Suwannee River at Branford, FL	25.61	32,700	10/12/04 at 09:00*
02321000	New River near Lake Butler, FL	11.67	5,330	09/10/04 at 08:00
02324000	Steinhatchee River near Cross City, FL	15.19	3,500	09/30/04 at 12:00
02324400	Fenholloway River near Foley, FL	11.89	635	09/27/04 at 16:00
02326000	Econfina River near Perry, FL	9.86	614	10/01/04 at 09:00*

* = 2005 water year; + = tidal surge; # = flood peak

Table 3 provides data showing the September period-of-record and September 2004 monthly mean discharges and departures for

10 streamgages in east-northwest Florida.

Table 3: Relation of period-of-record September mean monthly discharge to mean discharge for the September 2004 water year

Station number	Station name	Period of record	September period-of-record monthly mean discharge (cubic feet per second)	September 2004 monthly mean discharge (cubic feet per second)	Departure from mean (percent)
02315500	Suwannee River at White Springs, FL	1906-1908, 1927-2004	1,930	9,320	383
02319000	Withlacoochee River near Pinetta, FL	1932-2004	846	4,100	385
02319500	Suwannee River at Ellaville, FL	1927-2004	5,290	14,200	168
02320500	Suwannee River at Branford, FL	1931-2004	6,020	14,300	138
02321000	New River near Lake Butler, FL	1950-1971, 1973-1977, 1991-2004	278	1,550	458
02321500	Santa Fe River at Worthington Springs, FL	1932-2004	726	3,180	338
02322500	Santa Fe River near Fort White, FL	1928-1930, 1932-2004	1,930	4,690	143
02324000	Steinhatchee River near Cross City, FL	1950-2004	498	1,380	177
02324400	Fenholloway River near Foley, FL	1955-2004	61.7	247	300
02326000	Econfina River near Perry, FL	1950-2004	144	432	200

Figure 2 is a discharge hydrograph showing increasing flow at three streamgages: (1) Suwannee River at Branford; (2) Suwannee River at Ellaville; and (3) Suwannee River at White Springs, due to the increased rainfall produced by the three tropical systems. Hurricane Charley, a category 4 storm at landfall, which affected peninsular Florida in August, did not produce significant rainfall in the Suwannee River Basin, or anywhere else in northwest Florida.

While east-northwest Florida felt the effects of two hurricanes during the month of September, the western panhandle felt effects from Hurricane Ivan during the same month. Ivan made landfall during the morning of September 16, just west of Gulf Shores, Alabama, as a strong category 3 storm producing 121 mi/hr sustained wind speed and significant storm surge of up to 15 ft. Storm surge activity was recorded at several USGS Florida panhandle streamgages. Figure 3 shows storm surge of about 8-10 feet at three streamgages: (1) Yellow River near Milton, (2) Escambia River near Gonzales, and (3) Escambia River near Molino.

After 1 year of varied rainfall, mean annual discharges throughout the report area ranged from average to 27 percent below the period-of-record annual mean at seven representative sites in northwest Florida. Table 4 provides data from the representative sites in northwest Florida showing 2003 and 2004 water year mean discharge and departure from the annual mean of the period of record.

Table 4: Relation of period-of-record mean annual discharge to mean discharge for the 2003 and 2004 water years

Station number	Station name	Mean annual discharge		Mean discharge For water year 2003		Mean discharge For water year 2004	
	Representative streams in northwest Florida	Period of record	Value (cubic feet per second)	Value (cubic feet per second)	Departure from mean (percent)	Value (cubic feet per second)	Departure from mean (percent)
02320500	Suwannee River at Branford, FL	1931-2004	6,870	8,730	27	5,240	-24
02321500	Santa Fe River at Worthington Springs, FL	1932-2004	420	667	59	333	-21
02324000	Steinhatchee River near Cross City, FL	1950-2004	311	498	60	234	-25
02329000	Ochlockonee River near Havana, FL	1926-2004	1,040	1,720	65	760	-27
02359000	Chipola River near Altha, FL	1913-2004	1,480	2,190	48	1,240	-16
02369000	Shoal River near Crestview, FL	1938-2004	1,110	1,440	30	1,120	-1
02375500	Escambia River near Century, FL	1935-2004	6,260	8,910	42	5,840	-7

Discharge hydrographs for seven representative streams in northwest Florida are shown in figures 4 to 10. The upper graph (A) shows the 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the previous period of record at that site. The lower graph (B) shows the monthly mean discharge for the 1994-2004 period.

Ground Water

Data are collected from three ground-water wells equipped with data recorders that measure 30- or 60-minute water elevations. The daily maximum water-level elevations presented in this report are derived from these measurements.

Generally speaking, water elevations varied across northwest Florida. Table 5 provides data for the daily maximum for October 1, 2003, and September 30, 2004, and the instantaneous peak and date and time of the peak for the water year.

Table 5: Water elevation conditions at three wells in northwest Florida

Station number	Station name	10/01/2003 Daily maximum elevation (feet above NGVD 1929t)	09/30/2004 Daily maximum elevation (feet above NGVD 1929)	2004 Instanteous peak elevation (feet above NGVD 1929)	Date and time of peak
300740084293001	USGS Observation Well near Crawfordville, FL	31.99	33.06	34.02	09/18/2004 at 09:00
301446084184601	Wakulla Springs Deep Well (Hwy 61 Deep Well-3)	7.57	6.62	7.82	10/30/2003 at 08:00
303025085350501	USGS Observation Well near Wausau, FL (422A)	64.73	59.96	64.74	10/12/2003 at 05:00

A hydrograph for the USGS well near Wausau (303025085350501) is shown in figure 11. The upper graph (A) shows the water year 2004 monthly maximum water level compared to the maximum, minimum, and mean monthly maximum water level for the 1963-2004 period. The lower graph (B) shows the monthly maximum water level for the 1998-2004 period.

Water Quality

Water-quality data collected during the water year did not provide enough information for general analysis of conditions in northwest Florida.

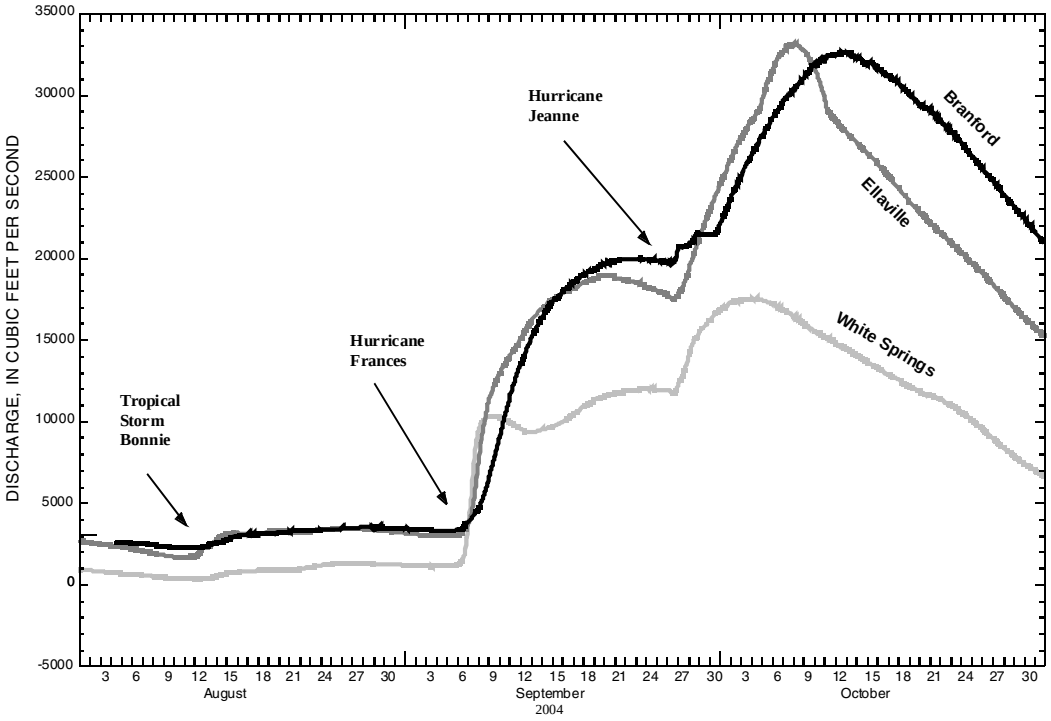


Figure 2. Discharge hydrograph of Suwannee River at White Springs, FL (02315500), Suwannee River at Ellaville, FL (02319500) and Suwannee River at Branford, FL (02320500) showing increased flow due to rainfall from Tropical Strom Bonnie and Hurricanes Frances and Jeanne. Hurricane Charley did not produce significant rainfall in the Suwannee River Basin.

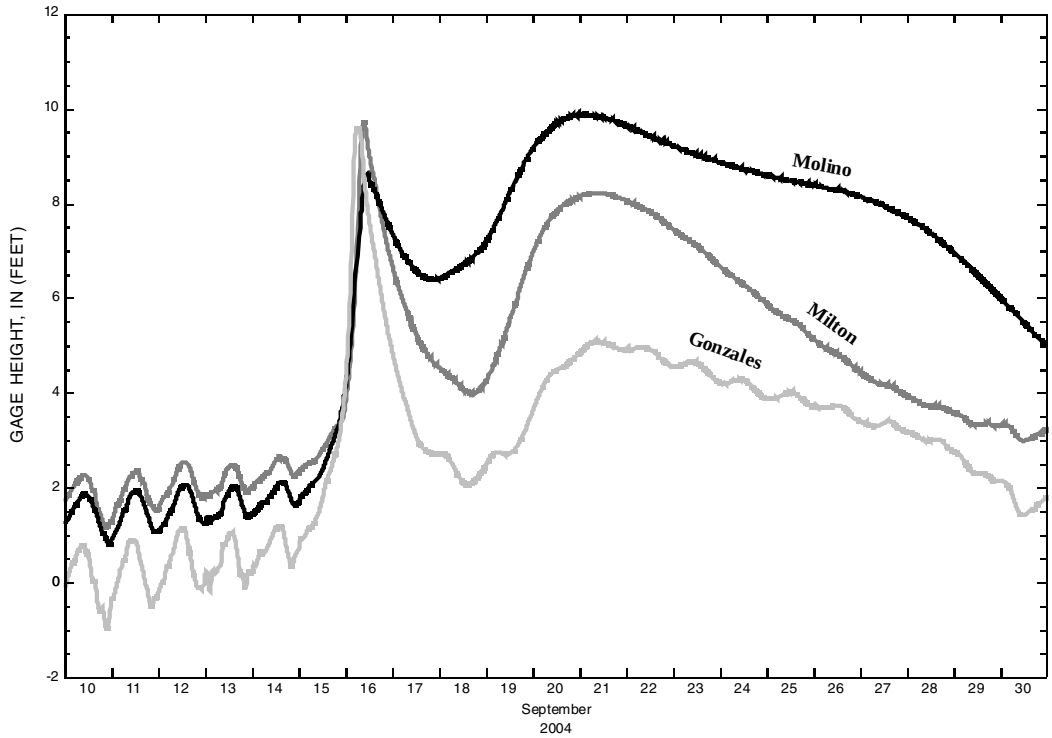


Figure 3. Gage height hydrograph of Yellow River near Milton, FL (02369600), Escambia River near Molino, FL (02376033) and Escambia River near Gonzales, FL (02376047) showing storm surge and flood peak from Hurricane Ivan.

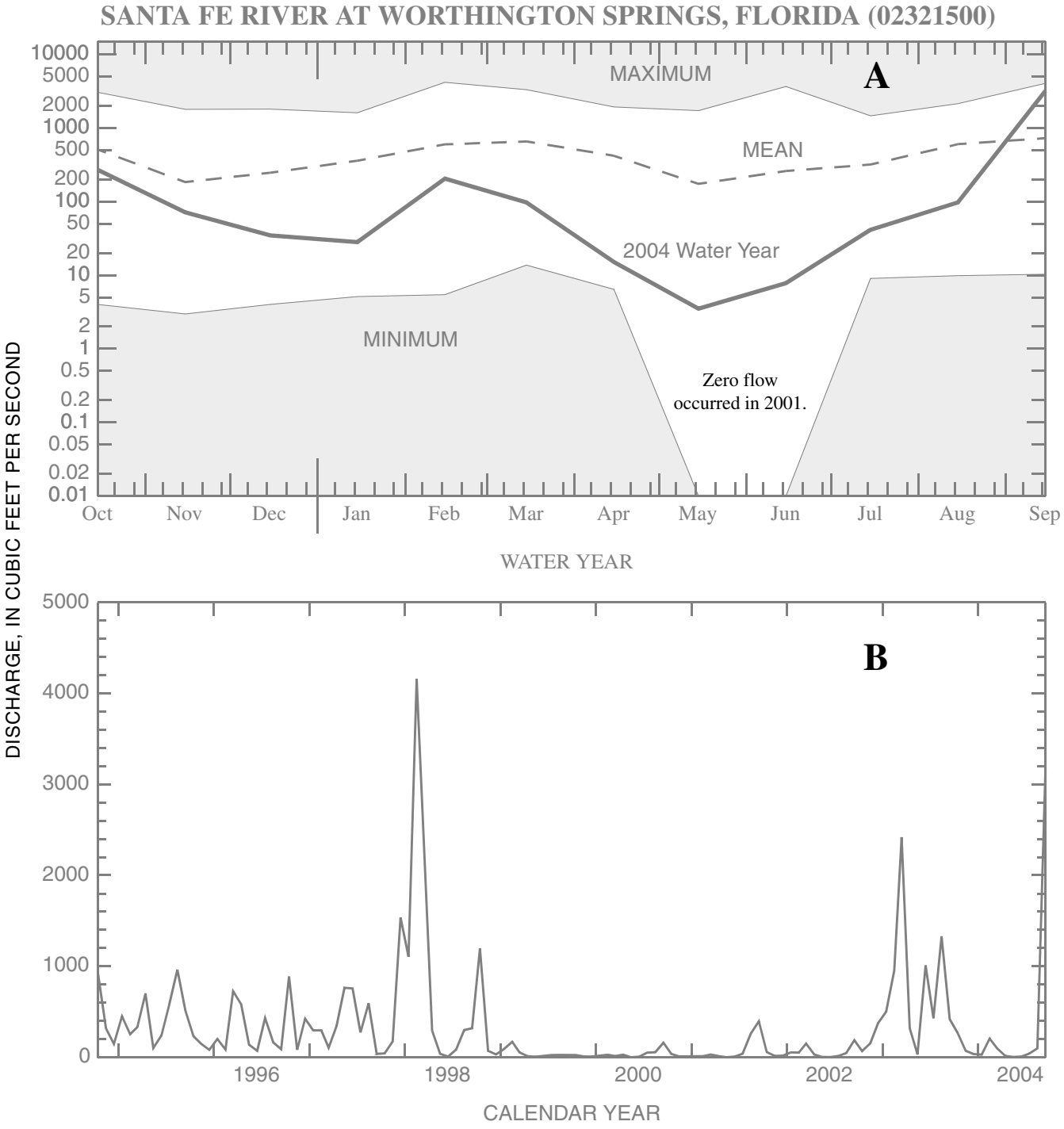


Figure 4. Santa Fe River at Worthington Springs (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1932-2004, and (B) the monthly mean discharge for the period 1995-2004.

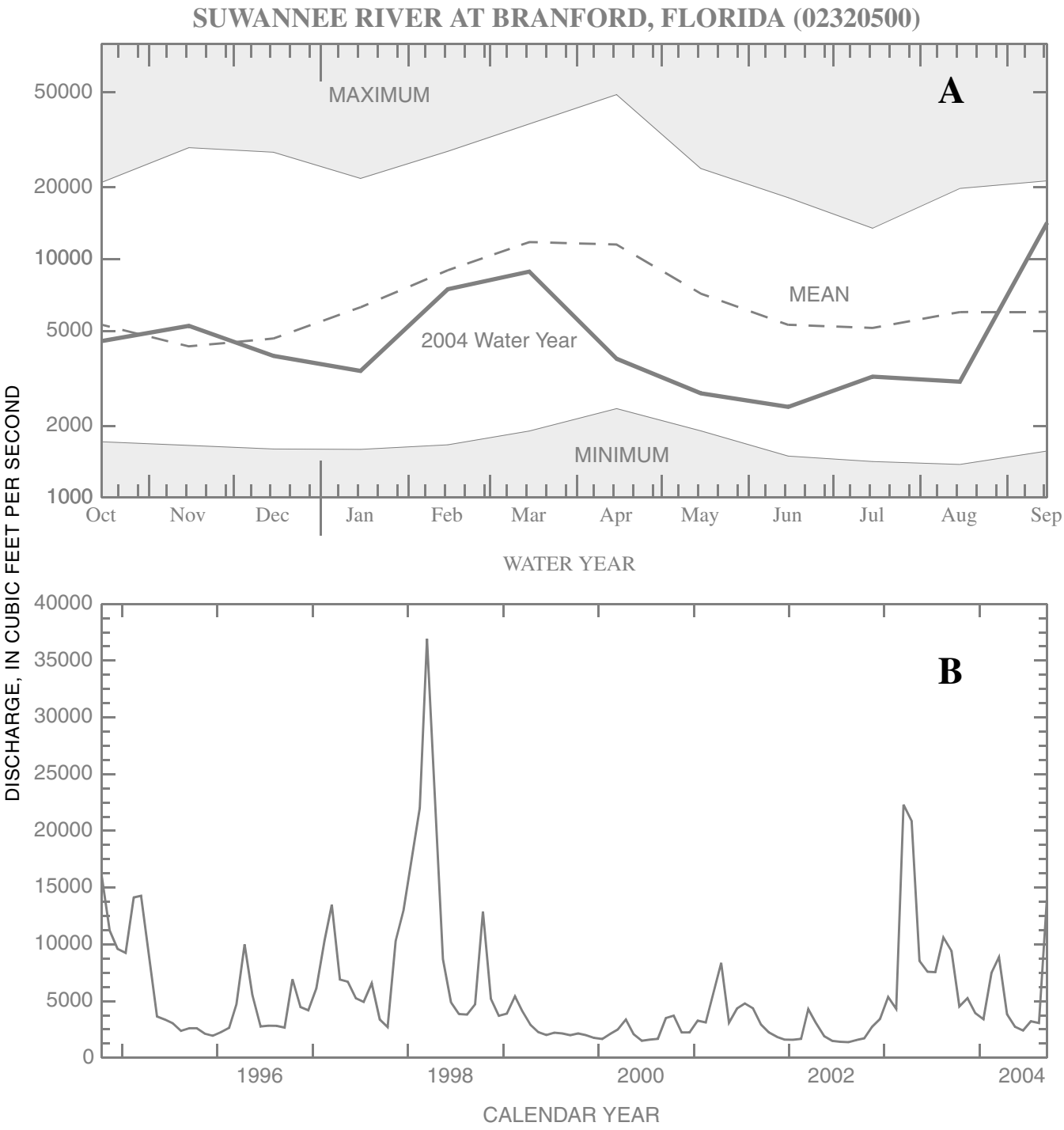


Figure 5. Suwannee River at Branford (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1931-2004, and (B) the monthly mean discharge for the period 1995-2004.

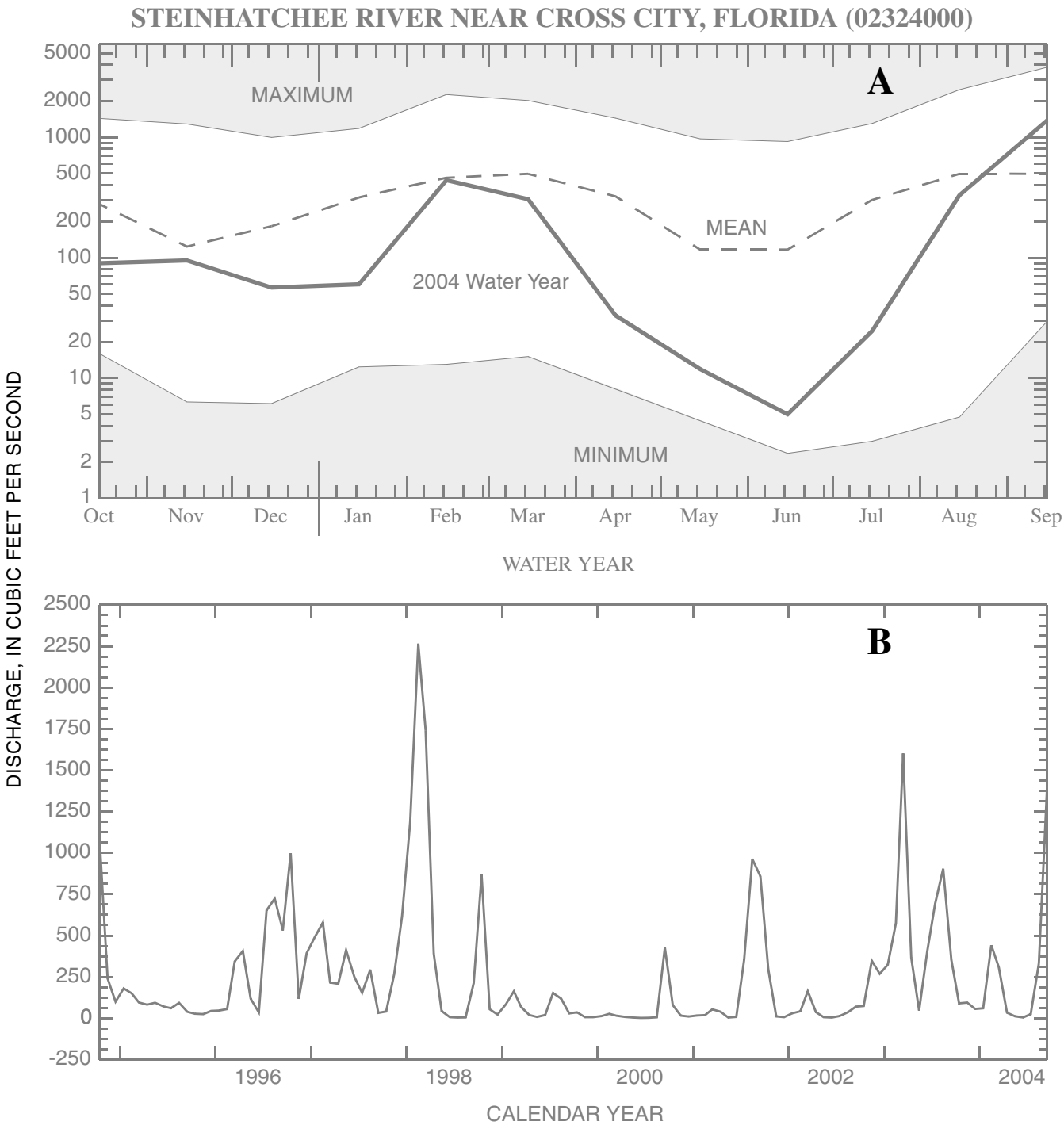


Figure 6. Steinhatchee River near Cross City (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1950-2004, and (B) the monthly mean discharge for the period 1995-2004.

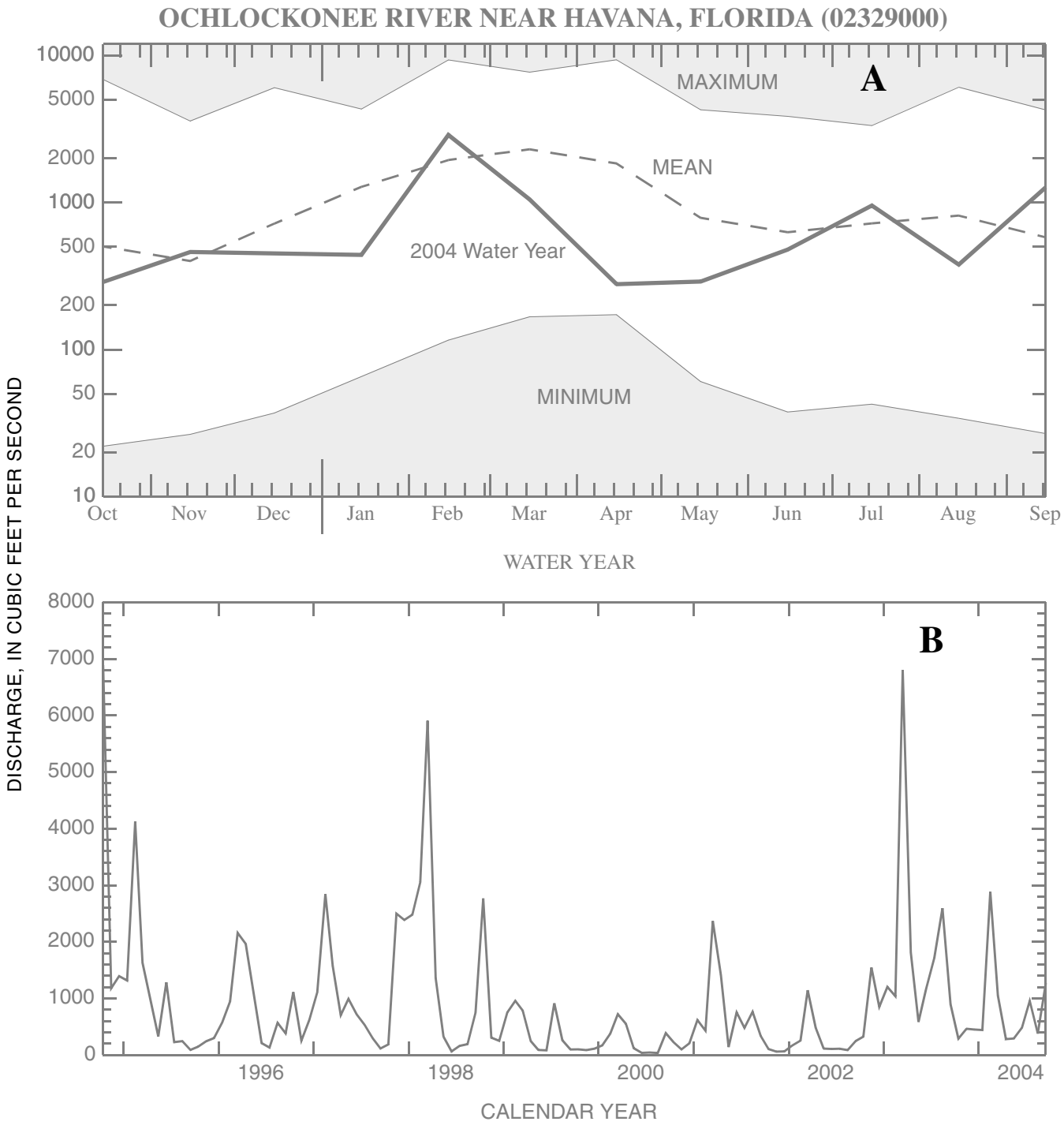


Figure 7. Ochlockonee River near Havana (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1926-2004, and (B) the monthly mean discharge for the period 1995-2004.

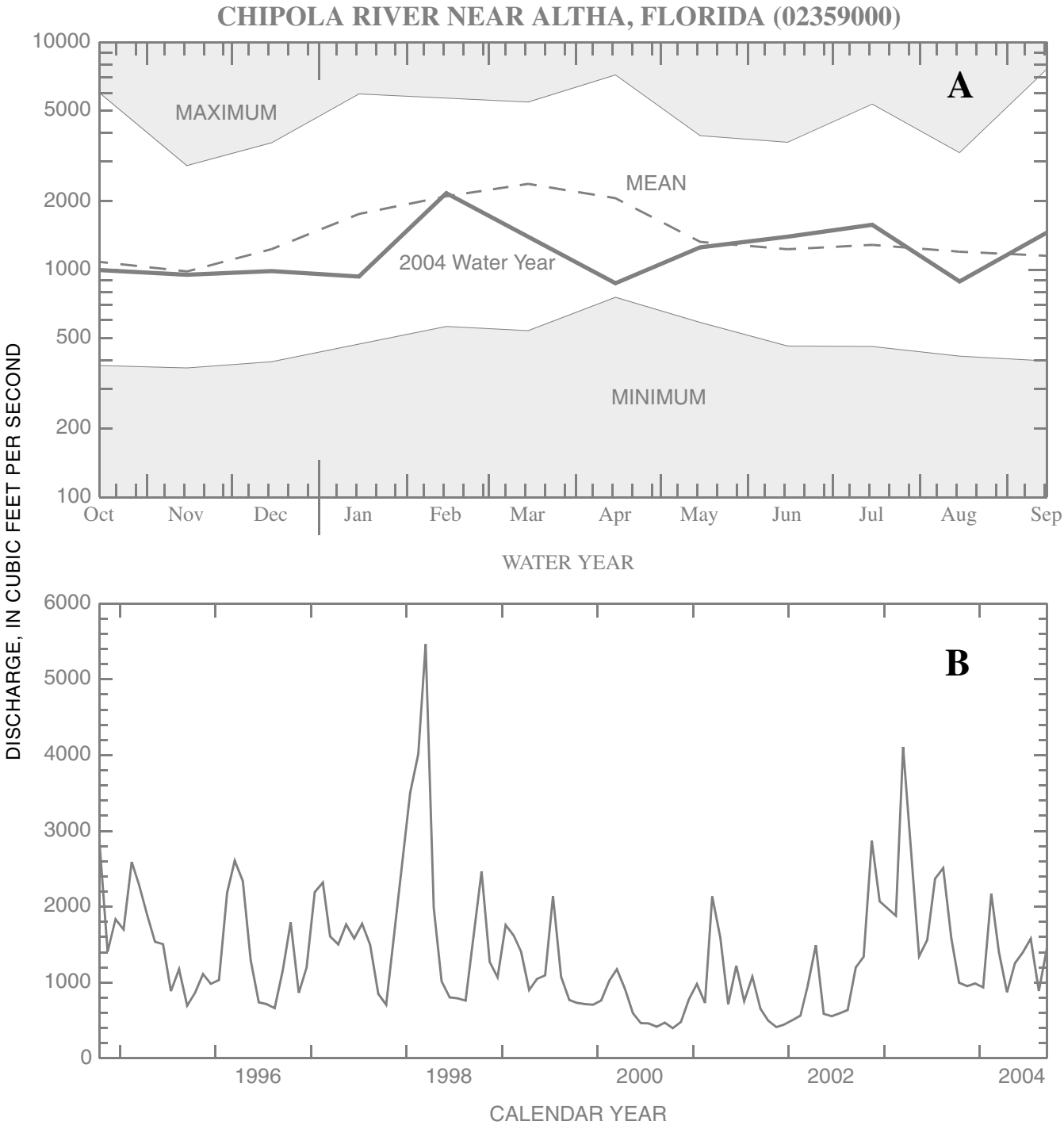


Figure 8. Chipola River near Altha (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1913-2004, and (B) the monthly mean discharge for the period 1995-2004.

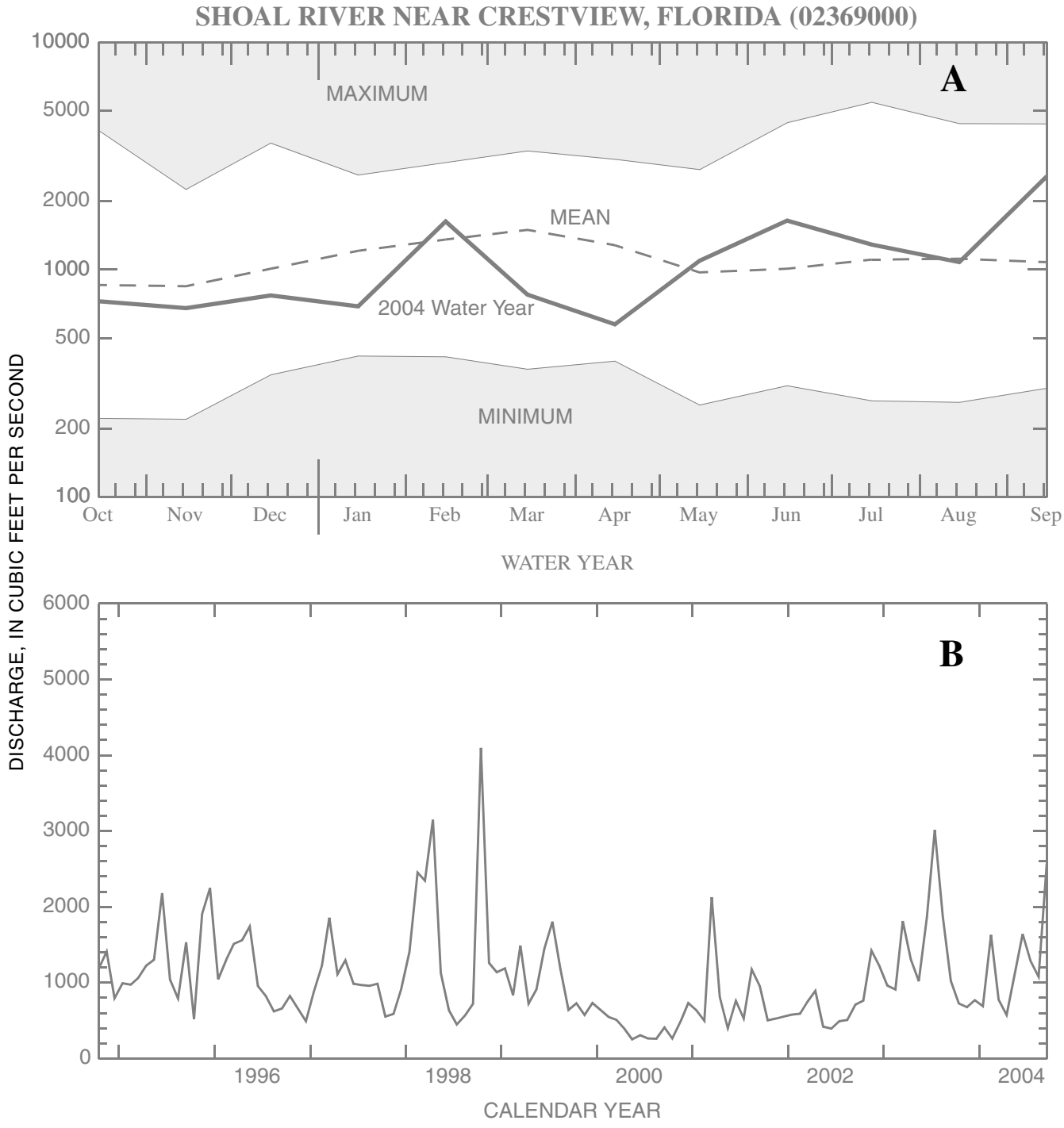


Figure 9. Shoal River near Crestview (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1938-2004, and (B) the monthly mean discharge for the period 1995-2004.

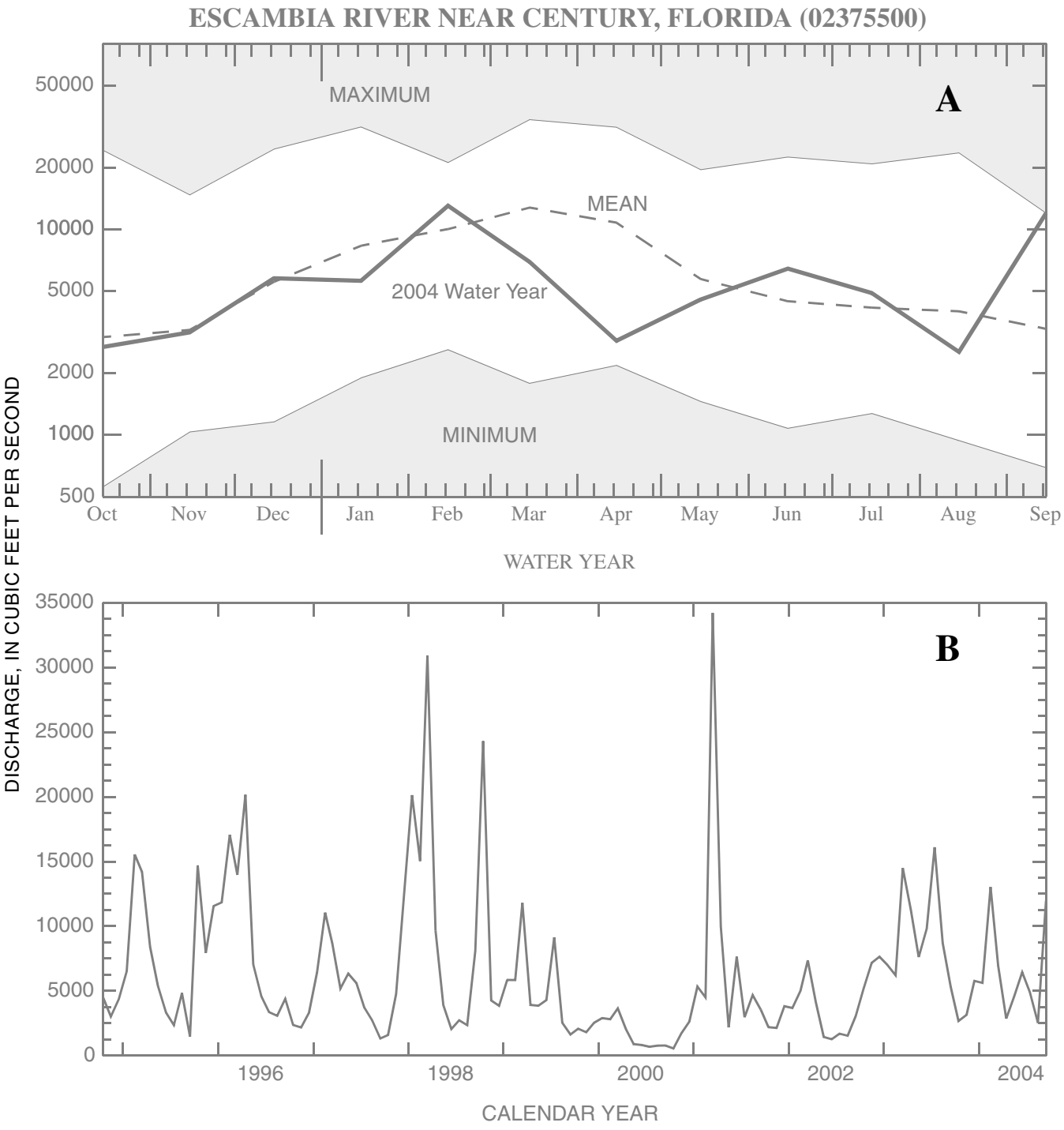


Figure 10. Escambia River near Century (A) 2004 monthly mean discharge compared to the maximum, minimum, and mean monthly mean discharge for the period 1934-2004, and (B) the monthly mean discharge for the period 1995-2004.

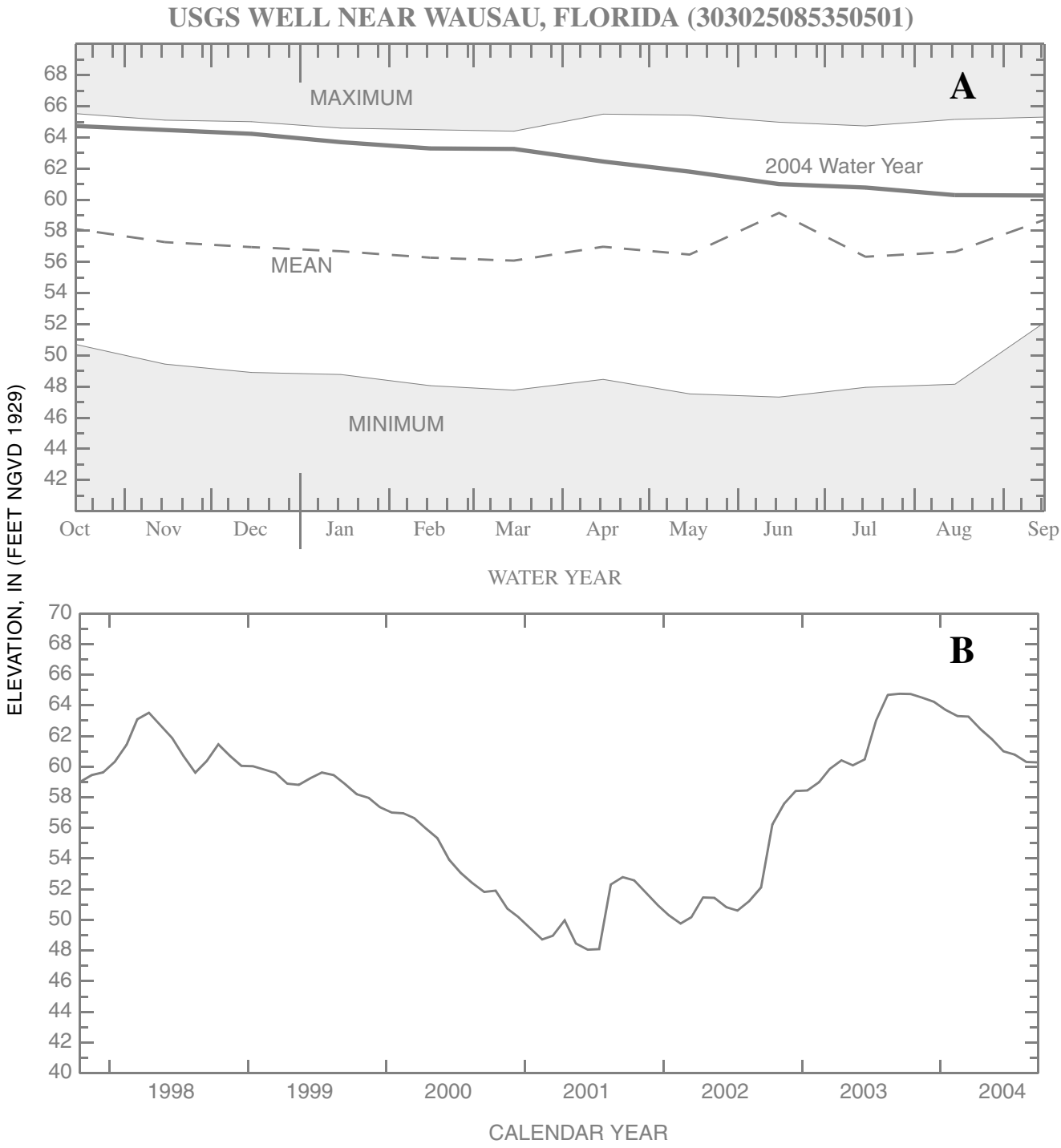


Figure 11. USGS Well near Wausau (A) Monthly maximum water level for the 2004 water year compared to maximum, minimum, and mean monthly maximum water levels for the period 1963-2004 and (B) the monthly maximum water level for the period 1998-2004.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indention in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning a station number, 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 composed of both types of stations. Gaps are consecutive. The complete 8-digit (or 10-digit) number for each station such as 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit (or 8-digit) downstream order number "004100." In areas of high station density, an additional two digits may be added to the station identification number to yield a 10-digit number. The stations are numbered in downstream order as described above between stations of consecutive 8-digit numbers.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig.12). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

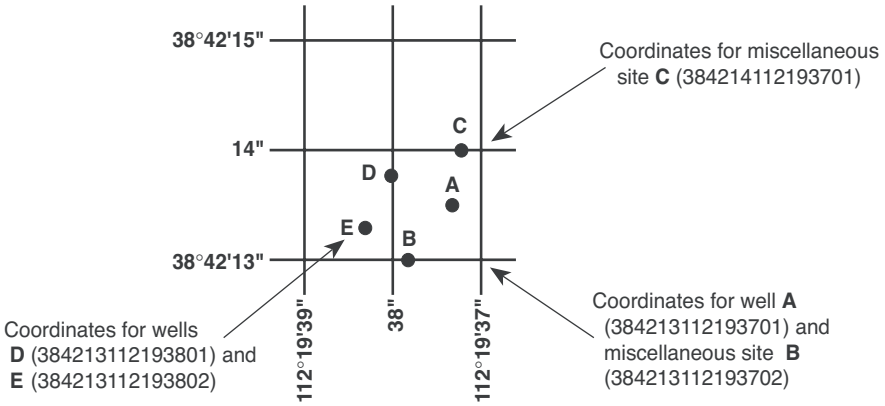


Figure 12. System for numbering wells and miscellaneous sites (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from *http://water.usgs.gov/hbn/*.

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

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead Federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from this network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as data from the individual sites, may be accessed from *http://bqs.usgs.gov/acidrain/*.

The USGS National Water-Quality Assessment (NAWQA) Program 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; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 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 is 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 water-resources managers to use in making decisions 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 may be accessed from *http://water.usgs.gov/nawqa/*.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from *http://water.usgs.gov/nsip/*.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from *http://water.usgs.gov/pubs/twri/*. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standardization (ISO).

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

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence 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 at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, 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.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments follow that clarify information presented under the various headings of the station description.

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

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

PERIOD OF RECORD.—This term indicates the time period for which records have been published 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 its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, 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 either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents 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 USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://water.usgs.gov/nwis/nwis*). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations 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 District Office (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. 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 stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is 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). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect 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 volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (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 values. 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. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 water 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 records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are 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 the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, 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 equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

Inches (INCHES) indicate 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 table lists annual maximum stage and discharge at crest-stage stations, and the second table lists 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 often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a 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. This identification is shown either by flagging individual daily values with the letter “e” and noting in a table footnote, “e–Estimated,” or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

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

The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

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

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, values 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 Data Records Available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the District office (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol "---" in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from *http://water.usgs.gov/pubs/twri/*.

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 at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured, and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report 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 *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one 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 continuous- or partial-record station, where 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 *continuous records* as used in this report and *continuous recordings* that refer to a continuous graph or a series of discrete values recorded at short intervals. 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.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating classifications for continuous water-quality records

[≤less than or equal to; ± plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Water temperature	≤±0.2 °C	> ±0.2 to 0.5 °C	> ±0.5 to 0.8 °C	> ±0.8 °C

Rating classifications for continuous water-quality records

[≤ less than or equal to; ± plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured physical property	Rating			
	Excellent	Good	Fair	Poor
Specific conductance	≤±3%	> ±3 to 10%	> ±10 to 15%	> ±15%
Dissolved oxygen	≤±0.3 mg/L	> ±0.3 to 0.5 mg/L	> ±0.5 to 0.8 mg/L	> ±0.8 mg/L
pH	≤±0.2 unit	> ±0.2 to 0.5 unit	> ±0.5 to 0.8 unit	> ±0.8 unit
Turbidity	≤±5%	> ±5 to 10%	> ±10 to 15%	> ±15%

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 is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must 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 given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from http://water.usgs.gov/pubs/twri/. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS District office (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the 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 District 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 section.

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

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

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

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRIs, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. The TWRI publications may be accessed from *http://water.usgs.gov/pubs/twri/*. These methods are consistent with ASTM standards and generally follow ISO standards.

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 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 information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. 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 USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based National data system, NWISWeb (*http://waterdata.usgs.gov/nwis*). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

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 section:

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

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of “E.” These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this District office are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the District office.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of

blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs. See NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES in this report for a detailed explanation.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRIs referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from *http://water.usgs.gov/pubs/twri/*. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

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

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figures 15 and 16*;* each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

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

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder's float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the TWRIs, which may be accessed from *http://water.usgs.gov/pubs/twri/*. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; and Book 5, Chapters A1, A3, and A4, which may be accessed from *http://water.usgs.gov/pubs/twri/*.

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 from *http://water.usgs.gov*.

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

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from *http://water.usgs.gov/ADR_Defs_2004.pdf*. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

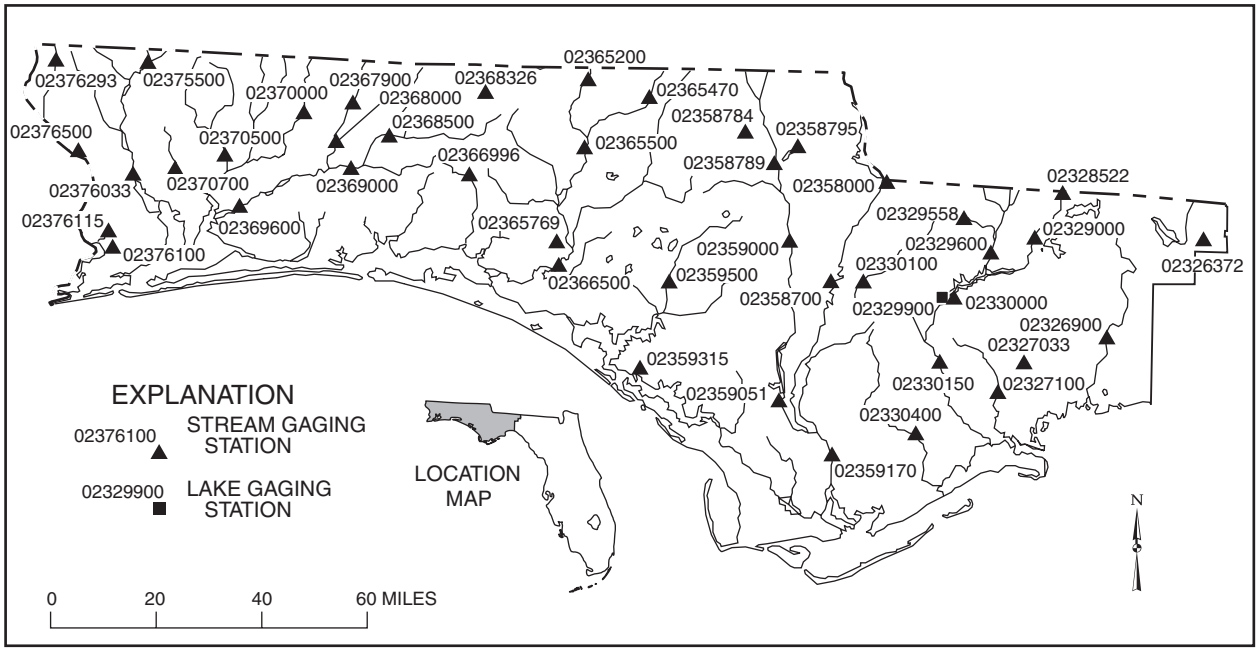


Figure 13. Location of stream gaging and lake gaging stations in the Northwest Florida Water Management District.

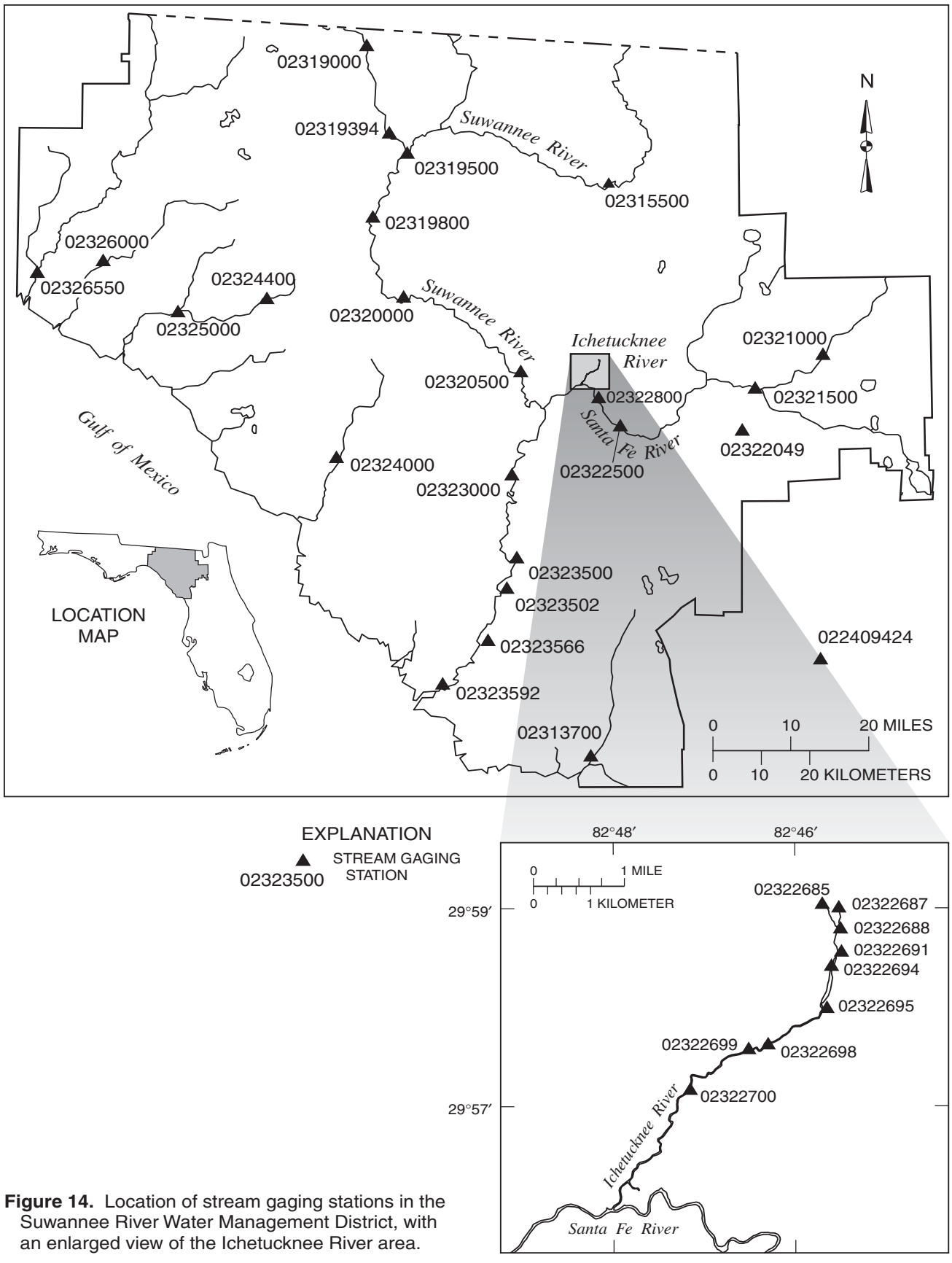


Figure 14. Location of stream gaging stations in the Suwannee River Water Management District, with an enlarged view of the Ichetucknee River area.

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL

LOCATION.--Lat 29° 28'01", long 82° 18'52", in NE $^1/_4$ sec. 9, T.12S., R.20E., Marion County, Hydrologic Unit 03080102, at upstream side of culvert at County Road 329, 3.1 mi southwest of Micanopy, and 4.2 mi north of Flemington.

DRAINAGE AREA.--0.41 mi^2.

PERIOD OF RECORD.--October 1995 to September 1997 (fragmentary gage heights only), October 1998 to September 2001 (gage heights only), October 2001 to September 2002 (fragmentary gage heights only), October 2002 to current year (gage heights only).

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records good. Continuous gage-height data for water years 1996-2003 are published in Appendix at end of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.29 ft, Feb. 1, 2004; minimum gage height, 3.54 ft, many days water years 2002-2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.29 ft, Feb. 1; minimum gage height, 3.56 ft, Sept. 27-30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.57	3.58	3.58	3.58	3.66	3.58	3.58	3.58	3.59	3.60	3.60	3.61
2	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.61
3	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.61
4	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.61
5	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.80
6	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	4.22
7	3.60	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.99
8	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.63
9	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.62
10	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.62
11	3.58	3.58	3.58	e3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.62
12	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.62
13	3.58	3.58	3.58	3.58	3.58	3.58	3.58	5.58	3.59	3.60	3.60	3.62
14	3.58	3.58	3.58	3.58	3.58	3.58	3.58	5.58	3.59	3.60	3.60	3.62
15	3.58	3.58	3.58	3.58	3.58	3.58	3.58	e3.58	3.59	3.60	3.60	3.62
16	3.58	3.58	3.58	3.58	3.58	3.58	3.58	e3.58	3.59	3.60	3.60	3.61
17	3.58	3.58	3.58	3.58	3.58	3.58	3.58	e3.58	3.59	3.60	3.61	3.60
18	3.58	3.58	3.58	3.58	3.58	3.58	3.58	e3.58	3.59	3.60	3.60	3.60
19	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.61	3.60
20	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	3.60
21	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	3.60
22	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	3.60
23	3.58	3.58	3.58	3.58	3.58	4.57	3.58	3.59	3.59	3.60	3.65	3.60
24	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.60	3.60
25	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.60	3.60
26	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	4.22
27	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	3.59
28	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.61	3.56
29	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.59	3.60	3.69	3.56
30	3.58	3.58	3.58	3.58	---	3.58	3.58	3.59	3.60	3.60	3.61	3.56
31	3.58	---	3.58	3.58	---	3.58	---	3.59	---	3.60	3.61	---
MEAN	3.58	3.58	3.58	3.58	3.58	3.61	3.58	3.71	3.59	3.60	3.61	3.66
MAX	3.60	3.58	3.58	3.58	3.66	4.57	3.58	5.58	3.60	3.60	3.69	4.22
MIN	3.57	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.59	3.60	3.60	3.56

e Estimated

02313700 WACCASASSA RIVER NEAR GULF HAMMOCK, FL

LOCATION.--Lat 29° 12'14", long 82° 46'09" in SW $^1/_4$ sec. 2, T. 15 S., R.15 E., Levy County, Hydrologic Unit 03110101, near left bank at abandoned railroad grade, 0.5 mi upstream from Otter Creek, 3.6 mi upstream from mouth, and 4 mi southwest of Gulf Hammock.

DRAINAGE AREA.--480 mi^2, approximately, including that of Otter Creek.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--March 1963 to September 1978, November 1980 to September 1984 (fragmentary), October 1984 to September 1992, October 1998 to September 2002, October 2002 to September 2003 (framentary), October 2003 to September 2004.

REVISED RECORDS.--WSP 2105: 1969. WRD FL-72-1: Drainage area.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 10.51 ft below National Geodetic Vertical Datum of 1929. Prior to Nov. 24, 1980, water-stage and deflection-meter recorders at same site at datum 10.00 ft higher.

REMARKS.--2003 Water Year: No estimated daily discharges. Records poor. 2004 Water Year: Records poor. Flow affected by tide. Discharge computed from continuous velocity record obtained from water-current meter. Records include flow of Otter Creek. Above bankfull stage, discharge measurements are made along abandoned railroad fill and include all flow from about 1.5 mi northwest to 0.8 mi northeast of gaging station.

REVISIONS.--Daily and monthly discharges for the water year 2003 were revised.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	350	283	759	---	---	---	---	-44	467	500	513
2	35	268	189	1,140	---	---	---	---	-21	559	548	489
3	129	166	189	863	---	---	---	---	-134	657	425	514
4	108	119	133	748	---	---	---	---	420	494	455	615
5	97	40	144	637	---	---	---	---	330	411	456	710
6	139	224	243	563	---	---	---	---	189	319	484	719
7	104	210	209	505	---	---	---	7.5	-95	353	712	605
8	98	131	171	424	---	---	---	2.2	255	317	991	526
9	125	104	231	367	---	---	---	-15	202	359	1,840	480
10	83	154	194	365	---	---	---	-99	179	383	2,720	407
11	43	207	376	361	---	---	---	-66	156	315	2,380	383
12	81	197	324	347	---	---	---	55	77	428	1,870	298
13	187	479	336	279	---	---	---	52	7.0	482	1,550	279
14	322	340	708	251	---	---	---	-14	21	530	1,420	261
15	107	248	558	284	---	---	---	-72	33	577	1,150	295
16	400	503	530	147	---	---	---	-91	143	484	1,050	296
17	291	1,150	417	359	---	---	---	-98	169	394	1,040	260
18	250	1,080	429	189	---	---	---	-146	95	340	965	201
19	174	1,000	289	245	---	---	---	-39	305	315	820	269
20	131	755	391	228	---	---	---	27	1,010	267	945	180
21	134	645	343	170	---	---	---	-54	1,670	214	1,140	210
22	172	598	314	167	---	---	---	-109	2,000	251	1,100	142
23	211	500	276	233	---	---	---	81	1,980	207	1,350	261
24	160	409	211	177	---	---	---	12	1,700	357	1,450	202
25	264	362	555	172	---	---	---	48	1,340	349	1,190	191
26	401	327	588	168	---	---	---	85	1,020	439	952	224
27	281	310	557	210	---	---	---	43	799	390	717	198
28	181	294	478	64	---	---	---	49	526	360	695	206
29	-5.6	167	362	150	---	---	---	-32	727	310	545	273
30	400	160	272	195	---	---	---	-8.1	584	401	565	238
31	439	---	326	600	---	---	---	-97	---	437	584	---
MEAN	181	383	343	367	---	---	---	---	521	392	1,052	348
MAX	439	1,150	708	1,140	---	---	---	--	2,000	657	2,720	719
MIN	-5.6	40	133	64	---	---	---	--	-134	207	425	142
IN.	0.43	0.89	0.82	0.88	---	---	---	---	1.21	0.94	2.53	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2003, BY WATER YEAR (WY)

MEAN	199	134	175	256	361	346	202	111	158	247	500	385
MAX	771	383	485	707	964	909	814	428	709	1,169	1,724	2,355
(WY)	(1966)	(2003)	(1965)	(1965)	(1965)	(1978)	(1970)	(1964)	(1966)	(1964)	(1965)	(1964)
MIN	46.0	-59.7	-103	-35.5	74.0	59.8	-10.4	-88.5	32.7	55.5	-16.8	29.1
(WY)	(1985)	(2002)	(2001)	(2001)	(2001)	(1985)	(2001)	(2001)	(1967)	(1977)	(1989)	(1991)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		WATER YEARS 1963 - 2003	
ANNUAL MEAN	199		268	
HIGHEST ANNUAL MEAN			629	1965
LOWEST ANNUAL MEAN			63.1	2001
HIGHEST DAILY MEAN	1,150	Nov 17	11,400	Sep 12, 1964
LOWEST DAILY MEAN	-390	Sep 26	-2,310	Aug 31, 1985
ANNUAL SEVEN-DAY MINIMUM	-29	Jan 5	-262	Dec 10, 2000
MAXIMUM PEAK FLOW			12,200	Sep 12, 1964
MAXIMUM PEAK STAGE			16.96	Sep 12, 1964
ANNUAL RUNOFF (INCHES)	5.64		7.57	
10 PERCENT EXCEEDS	400		610	
50 PERCENT EXCEEDS	166		159	
90 PERCENT EXCEEDS	49		27	

02313700 WACCASASSA RIVER NEAR GULF HAMMOCK, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	215	237	173	119	217	462	153	-11	-55	-94	140	307
2	246	201	303	37	132	478	38	-43	-53	-91	123	328
3	224	86	42	115	314	408	90	94	-114	-117	141	444
4	204	249	44	166	303	345	17	24	-71	-85	232	499
5	252	237	203	193	246	292	28	-16	-77	-59	353	527
6	222	283	320	319	180	307	-19	-40	-65	-12	382	-2,090
7	227	255	103	e-69	340	276	-78	-71	-40	-64	439	6,030
8	261	280	214	84	243	255	-100	-84	-19	0.27	327	7,630
9	222	341	167	171	194	163	-34	-107	-58	-19	290	7,360
10	203	188	142	282	201	224	59	-54	-48	-27	340	5,790
11	211	174	214	170	176	151	-132	-50	1.8	36	387	4,150
12	307	220	191	152	178	136	-126	-199	5.4	106	74	3,210
13	286	247	153	146	172	129	-93	-11	3.9	99	557	2,750
14	234	192	172	131	180	78	327	54	11	87	600	2,500
15	321	142	164	134	462	64	99	39	-26	78	833	2,210
16	235	182	92	99	393	262	92	12	e-82	-21	787	2,570
17	223	114	220	-134	342	456	87	1.3	e-95	-37	604	2,110
18	289	-99	-29	167	327	376	63	-8.8	e-108	2.8	448	1,650
19	215	444	280	406	245	322	2.3	-49	e-69	534	344	1,350
20	242	148	181	224	244	244	5.0	-79	e-86	724	264	1,150
21	224	249	134	217	243	162	-45	-57	e-61	603	224	952
22	287	242	193	205	231	213	0.20	-119	e-60	389	229	808
23	299	217	194	203	186	168	6.4	-83	70	247	382	725
24	226	221	253	225	399	129	-8.8	-100	11	158	531	691
25	237	242	234	161	934	107	-29	-60	-35	105	538	666
26	183	222	221	149	1,010	97	-34	-91	-14	119	414	750
27	201	202	191	293	1,030	74	27	-161	-49	153	468	976
28	9.9	248	153	212	793	73	-20	-194	41	210	423	2,960
29	480	220	120	164	613	62	-130	39	0.57	173	384	2,890
30	281	197	128	186	---	-120	-0.55	-29	-36	143	323	2,700
31	238	---	160	209	---	-106	---	-47	---	95	315	---
MEAN	242	213	172	166	363	203	8.15	-48.4	-39.2	111	384	2,153
MAX	480	444	320	406	1,030	478	327	94	70	724	833	7,630
MIN	9.9	-99	-29	-134	132	-120	-132	-199	-114	-117	74	-2,090
IN.	0.58	0.49	0.41	0.40	0.82	0.49	0.02	-0.12	-0.09	0.27	0.92	5.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	201	137	175	253	362	341	195	106	152	242	496	440
MAX	771	383	485	707	964	909	814	428	709	1,169	1,724	2,355
(WY)	(1966)	(2003)	(1965)	(1965)	(1965)	(1978)	(1970)	(1964)	(1966)	(1964)	(1965)	(1964)
MIN	46.0	-59.7	-103	-35.5	74.0	59.8	-10.4	-88.5	-39.2	55.5	-16.8	29.1
(WY)	(1985)	(2002)	(2001)	(2001)	(2001)	(1985)	(2001)	(2001)	(2004)	(1977)	(1989)	(1991)

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL MEAN	324		270	
HIGHEST ANNUAL MEAN			629	1965
LOWEST ANNUAL MEAN			63.1	2001
HIGHEST DAILY MEAN	7,630	Sep 8	11,400	Sep 12, 1964
LOWEST DAILY MEAN	-2,090	Sep 6	-2,310	Aug 31, 1985
ANNUAL SEVEN-DAY MINIMUM	-115	May 22	-262	Dec 10, 2000
MAXIMUM PEAK FLOW	8,330	Sep 8	12,200	Sep 12, 1964
MAXIMUM PEAK STAGE	15.93	Sep 6	16.96	Sep 12, 1964
ANNUAL RUNOFF (INCHES)	9.20		7.64	
10 PERCENT EXCEEDS	544		609	
50 PERCENT EXCEEDS	180		160	
90 PERCENT EXCEEDS	-64		24	

e Estimated

02313700 WACCASASSA RIVER NEAR GULF HAMMOCK, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 2000 to current year.

REMARKS.--Water temperature and salinity records poor.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.9	21.7	15.9	17.0	14.3	15.6	19.6	23.9	29.0	27.8	25.8	26.2
2	21.6	22.1	15.5	17.2	15.1	17.7	18.5	25.3	28.8	27.9	26.0	25.6
3	21.8	22.4	15.8	17.7	15.4	19.2	18.3	24.5	27.8	28.1	26.6	25.4
4	23.1	23.4	16.1	18.3	15.7	19.7	18.5	22.7	27.5	27.9	26.6	25.4
5	23.6	23.9	17.1	19.1	16.5	20.6	18.4	22.4	26.7	27.7	25.9	24.4
6	24.2	24.2	16.3	18.9	18.2	21.2	18.3	22.7	26.6	27.8	26.2	24.2
7	24.5	24.6	14.9	16.7	18.9	21.3	18.8	23.7	26.5	28.1	25.5	24.5
8	24.2	24.3	13.8	15.3	15.8	20.3	19.9	24.3	26.3	27.6	24.7	25.5
9	24.3	23.0	13.8	14.8	14.4	18.3	21.1	24.3	25.7	27.3	24.7	26.4
10	23.9	21.1	14.8	14.6	15.1	17.0	21.8	24.0	26.2	26.9	24.7	26.8
11	23.8	21.0	15.3	13.3	16.0	16.3	21.9	23.9	26.8	27.3	25.2	26.6
12	23.7	21.5	14.6	12.8	17.4	16.3	21.4	24.3	27.4	26.6	26.3	26.2
13	24.1	21.6	14.7	12.9	18.3	16.5	21.0	24.9	28.2	25.5	24.7	26.0
14	24.8	20.0	15.5	13.1	17.1	17.4	18.6	25.1	27.7	25.4	23.7	25.7
15	23.7	19.4	16.1	13.6	17.6	18.6	17.8	25.2	27.7	26.3	23.5	25.6
16	21.8	19.1	15.4	14.2	16.2	19.1	18.1	24.9	27.9	26.8	24.0	26.0
17	21.4	19.5	15.6	14.0	15.1	19.5	18.8	25.2	28.1	26.8	25.0	26.5
18	21.6	20.4	14.9	14.3	13.7	18.6	19.7	25.4	28.1	25.8	25.3	26.4
19	21.8	21.4	13.5	15.7	13.3	18.7	20.4	25.7	28.5	24.7	25.5	---
20	22.0	19.3	12.9	15.1	13.2	19.3	20.8	25.9	28.5	24.9	26.1	---
21	22.1	18.2	12.1	13.7	15.1	19.9	21.3	26.1	27.7	25.3	25.8	---
22	22.2	17.6	11.9	13.0	16.6	19.3	21.7	26.6	27.2	25.6	25.0	---
23	22.3	17.9	12.7	12.8	17.1	17.4	22.2	26.7	26.6	25.7	24.9	---
24	21.6	18.5	14.0	12.8	17.3	17.0	22.8	26.6	26.9	26.0	24.8	---
25	21.4	18.1	14.3	13.5	17.0	17.7	23.1	26.6	27.6	25.9	25.1	---
26	21.9	17.9	13.7	15.6	15.6	18.8	23.5	26.8	28.1	26.1	25.2	---
27	22.7	18.6	13.6	18.0	13.2	19.6	23.1	27.3	28.4	26.2	25.0	---
28	23.5	19.2	14.0	16.6	12.2	20.1	22.6	27.6	27.1	25.8	24.7	---
29	22.3	17.4	14.9	14.4	13.2	20.2	22.5	27.2	27.0	25.8	25.3	---
30	21.0	16.3	15.6	14.1	---	20.4	22.9	27.8	27.6	26.5	25.9	25.2
31	21.0	---	16.5	14.5	---	20.5	---	28.6	---	26.7	26.2	---
MEAN	22.7	20.5	14.7	15.1	15.7	18.8	20.6	25.4	27.5	26.5	25.3	---
MAX	24.8	24.6	17.1	19.1	18.9	21.3	23.5	28.6	29.0	28.1	26.6	---
MIN	21.0	16.3	11.9	12.8	12.2	15.6	17.8	22.4	25.7	24.7	23.5	---

02313700 WACCASASSA RIVER NEAR GULF HAMMOCK, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.22	0.55	3.6	2.4	0.84	0.14	1.1	0.89	2.9	0.47	0.19	0.15
2	0.19	0.49	3.2	2.6	1.2	0.14	0.40	0.98	3.5	0.69	0.19	0.15
3	0.19	1.1	6.9	2.0	0.67	0.15	0.30	1.1	2.5	1.00	0.19	0.14
4	0.73	2.9	6.3	1.8	0.34	0.15	0.30	0.46	3.7	1.2	0.19	0.12
5	0.41	1.4	3.7	1.8	0.31	0.16	0.32	0.46	2.2	1.2	0.18	0.14
6	0.28	1.0	1.7	1.6	0.29	0.17	0.35	0.60	1.7	0.91	0.17	3.7
7	0.40	0.98	1.6	1.1	0.26	0.18	0.43	0.92	1.8	0.76	0.17	1.8
8	0.48	0.96	2.5	3.9	0.26	0.18	0.75	1.6	1.4	0.46	0.16	0.15
9	0.45	0.49	2.1	4.3	0.41	0.19	0.87	2.1	0.55	0.48	0.16	0.05
10	0.50	0.34	3.9	2.0	0.35	0.19	0.81	2.0	0.48	0.28	0.15	0.05
11	0.75	0.94	1.5	1.7	0.34	0.19	0.72	1.3	0.50	0.28	0.14	0.06
12	0.57	0.85	2.8	2.8	0.32	0.19	0.54	1.7	0.44	0.24	0.15	0.06
13	0.37	1.1	2.7	2.6	0.30	0.19	0.69	1.4	0.44	0.23	0.17	0.07
14	0.34	0.73	3.2	2.2	0.40	0.20	0.33	0.94	0.36	0.21	0.15	0.07
15	0.23	2.7	1.4	2.1	0.32	0.20	0.27	0.74	0.43	0.25	0.12	0.08
16	0.20	1.6	3.4	2.3	0.27	0.20	0.31	0.54	0.46	0.28	0.12	0.08
17	0.18	1.3	1.9	2.9	0.26	0.19	0.24	0.61	0.49	0.27	0.12	0.09
18	0.19	3.2	1.5	3.2	0.26	0.19	0.23	0.78	0.62	0.27	0.13	0.10
19	0.22	3.4	0.83	1.7	0.27	0.19	0.24	1.1	0.84	0.24	0.14	---
20	0.34	1.4	0.88	0.86	0.28	0.19	0.24	1.7	1.1	0.19	0.15	---
21	0.55	2.0	1.5	0.79	0.27	0.20	0.31	1.9	1.0	0.16	0.16	---
22	0.48	1.0	1.8	0.55	0.25	0.19	0.39	2.4	0.61	0.17	0.16	---
23	0.51	1.2	1.9	0.52	0.23	0.19	0.36	2.6	0.38	0.17	0.15	---
24	0.58	2.1	2.3	0.60	0.23	0.19	0.39	2.4	0.33	0.18	0.13	---
25	0.90	1.3	1.6	0.58	0.19	0.20	0.41	2.0	0.32	0.18	0.12	---
26	1.1	2.4	1.2	0.59	0.15	0.20	0.35	1.6	0.28	0.19	0.13	---
27	2.0	2.2	1.2	0.41	0.13	0.22	0.24	1.6	0.27	0.19	0.14	---
28	2.9	2.1	1.4	0.43	0.13	0.33	0.86	2.3	0.25	0.19	0.15	---
29	2.1	0.29	1.5	0.48	0.13	0.34	1.8	1.6	0.27	0.19	0.16	---
30	1.3	2.1	1.5	0.76	---	0.90	1.7	1.4	0.31	0.19	0.16	0.08
31	0.52	---	1.1	0.66	---	1.7	---	2.1	---	0.19	0.15	---
MEAN	0.65	1.5	2.3	1.7	0.33	0.27	0.54	1.4	1.0	0.38	0.15	---
MAX	2.9	3.4	6.9	4.3	1.2	1.7	1.8	2.6	3.7	1.2	0.19	---
MIN	0.18	0.29	0.83	0.41	0.13	0.14	0.23	0.46	0.25	0.16	0.12	---

02315500 SUWANNEE RIVER AT WHITE SPRINGS, FL

LOCATION.--Lat 30° 19'32", long 82° 44'18", in SW$^1/_4$ sec. 8, T. 2 S., R. 16 E., Columbia County, Hydrologic Unit 03110201, on downstream side of bridge on U.S. Highway 41, 1.0 mi southeast of White Springs, and 171 mi upstream from mouth.

DRAINAGE AREA.--2,430 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--May 1906 to December 1908, February 1927 to current year.

REVISED RECORDS.--WSP 1504: 1906, 1908. WSP 1905: WDR FL-75-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 31, 1932, nonrecording gage at site 1.0 mi downstream at datum 48.54 ft. Aug. 1, 1932 to Oct. 10, 1979, water-stage recorder, at present site, at datum 48.54 ft. Oct. 11, 1979 to Dec. 1, 1983, nonrecording gage at site 2.2 miles downstream at NGVD. Dec. 2, 1983 to June 30, 1996, nonrecording gage, at present site and datum.

REMARKS.--Records fair. Maximum discharge, 16,800 ft 3/s, Sept. 30, gage height, 83.67 ft, stage rising, peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e479	879	531	385	234	2,730	659	198	23	504	933	1,200
2	398	833	508	382	287	2,810	600	202	24	468	857	1,170
3	363	805	485	376	337	2,870	537	221	23	432	786	1,140
4	334	795	466	368	389	2,900	e492	222	25	415	731	1,160
5	308	809	449	360	412	2,890	e450	203	24	423	689	1,190
6	286	847	429	354	432	2,850	e400	191	23	446	654	1,880
7	270	899	407	340	633	2,790	e370	177	21	444	572	6,920
8	253	938	387	328	799	2,700	350	162	20	576	489	10,000
9	247	947	368	319	826	2,580	366	149	22	787	431	10,300
10	255	933	359	315	810	2,460	361	135	38	843	387	10,100
11	264	911	350	309	811	2,340	345	124	38	790	376	9,770
12	312	884	336	307	846	2,220	326	119	36	746	368	9,430
13	e343	856	326	302	912	2,090	346	134	38	905	434	9,410
14	e378	825	343	295	1,090	1,960	351	120	53	1,040	629	9,580
15	e416	795	386	289	1,480	1,830	345	101	79	981	751	9,810
16	427	775	430	281	1,690	1,760	339	92	114	937	807	10,200
17	433	757	459	274	1,690	1,700	330	84	178	986	818	10,700
18	429	741	448	274	1,680	1,600	321	79	187	1,080	927	11,100
19	415	736	440	275	1,690	1,490	310	67	176	1,150	927	11,400
20	397	728	432	271	1,720	1,400	296	58	170	1,210	918	11,700
21	372	716	422	263	1,760	1,320	283	55	171	1,210	926	11,800
22	342	701	415	254	1,800	1,240	269	52	178	1,200	1,040	11,900
23	319	681	410	245	1,820	1,160	254	46	206	1,170	1,150	11,900
24	295	663	417	237	1,880	1,080	240	42	267	1,160	1,250	11,900
25	274	644	414	230	2,050	1,020	226	39	325	1,170	1,330	11,900
26	254	617	413	225	2,270	950	210	34	347	1,170	1,350	11,900
27	266	593	408	228	2,540	887	201	31	350	1,140	1,330	13,000
28	328	573	402	224	2,610	831	188	28	359	1,130	1,310	14,800
29	797	559	397	220	2,650	782	177	25	466	1,140	1,290	15,800
30	1,020	543	393	215	---	737	187	23	522	1,100	1,250	16,500
31	947	---	388	209	---	697	---	21	---	1,010	1,230	---
MEAN	394	766	413	289	1,315	1,828	338	104	150	896	869	9,319
MAX	1,020	947	531	385	2,650	2,900	659	222	522	1,210	1,350	16,500
MIN	247	543	326	209	234	697	177	21	20	415	368	1,140
IN.	0.19	0.35	0.20	0.14	0.58	0.87	0.16	0.05	0.07	0.43	0.41	4.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2004, BY WATER YEAR (WY)

MEAN	1,669	842	1,015	1,757	2,677	3,332	2,993	1,085	833	1,215	1,881	1,926
MAX	13,100	16,450	9,103	8,401	12,950	14,200	23,910	8,288	6,317	5,274	10,870	13,310
(WY)	(1929)	(1948)	(1977)	(1942)	(1998)	(1998)	(1973)	(1964)	(1973)	(1906)	(1945)	(1964)
MIN	8.55	6.63	8.68	11.8	13.2	35.5	22.2	10.5	11.8	19.6	15.8	8.82
(WY)	(1932)	(1932)	(1932)	(1932)	(1932)	(1932)	(1932)	(1932)	(1935)	(1955)	(1990)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1906 - 2004	
ANNUAL MEAN	2,022		1,377		1,769	
HIGHEST ANNUAL MEAN					6,806	1948
LOWEST ANNUAL MEAN					144	2000
HIGHEST DAILY MEAN	11,400	Mar 17	16,500	Sep 30	38,000	Apr 10, 1973
LOWEST DAILY MEAN	247	Oct 9	20	Jun 8	2.8	Sep 26, 1990
ANNUAL SEVEN-DAY MINIMUM	269	Oct 5	23	Jun 3	3.4	Sep 26, 1990
MAXIMUM PEAK FLOW			2,900	Mar 4	38,100	Apr 10, 1973
MAXIMUM PEAK STAGE			60.51	Mar 4	88.56	Apr 10, 1973
INSTANTANEOUS LOW FLOW			19	Jun 8	2.8	Sep 26, 1990
ANNUAL RUNOFF (INCHES)	11.30		7.71		9.89	
10 PERCENT EXCEEDS	5,430		2,480		4,890	
50 PERCENT EXCEEDS	1,030		448		685	
90 PERCENT EXCEEDS	409		131		57	

e Estimated

02315500 SUWANNEE RIVER AT WHITE SPRINGS, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	54.08	52.70	52.24	51.61	60.03	53.09	51.46	50.00	52.50	54.02	55.16
2	52.29	53.88	52.63	52.23	51.86	60.26	52.92	51.48	50.02	52.39	53.68	55.00
3	52.17	53.75	52.56	52.21	52.07	60.42	52.75	51.59	50.01	52.27	53.36	54.86
4	52.06	53.70	52.51	52.18	52.26	60.49	---	51.59	50.03	52.21	53.10	54.94
5	51.95	53.77	52.46	52.16	52.34	60.47	---	51.49	50.02	52.23	52.89	55.10
6	51.86	53.94	52.39	52.13	52.40	60.38	---	51.42	50.00	52.29	52.73	57.44
7	51.78	54.17	52.32	52.08	53.02	60.20	---	51.33	49.97	52.28	52.51	69.83
8	51.71	54.34	52.25	52.03	53.72	59.95	52.16	51.24	49.95	52.66	52.28	76.26
9	51.68	54.38	52.18	52.00	53.84	59.64	52.22	51.15	49.99	53.49	52.10	76.79
10	51.72	54.32	52.15	51.98	53.77	59.31	52.20	51.05	50.20	53.74	51.95	76.46
11	51.76	54.22	52.12	51.95	53.78	58.97	52.14	50.95	50.20	53.49	51.91	75.77
12	51.97	54.10	52.06	51.95	53.94	58.61	52.07	50.92	50.17	53.28	51.88	75.10
13	52.07	53.98	52.02	51.92	54.23	58.25	52.14	51.03	50.17	53.99	52.10	75.07
14	---	53.84	52.09	51.90	54.97	57.86	52.16	50.92	50.31	54.55	52.69	75.40
15	52.37	53.70	52.24	51.87	56.38	57.49	52.14	50.76	50.51	54.31	53.19	75.85
16	52.39	53.61	52.40	51.84	57.05	57.27	52.12	50.66	50.82	54.12	53.46	76.60
17	52.40	53.53	52.48	51.80	57.06	57.07	52.08	50.58	51.28	54.31	53.51	77.52
18	52.39	53.45	52.45	51.80	57.00	56.76	52.04	50.54	51.33	54.70	53.99	78.32
19	52.34	53.42	52.43	51.81	57.05	56.44	52.00	50.46	51.26	55.00	53.99	78.94
20	52.28	53.38	52.40	51.79	57.15	56.14	51.94	50.39	51.21	55.24	53.95	79.39
21	52.20	53.33	52.37	51.76	57.27	55.86	51.88	50.37	51.21	55.21	53.99	79.66
22	52.09	53.25	52.35	51.71	57.37	55.57	51.82	50.34	51.25	55.18	54.48	79.83
23	52.00	53.16	52.33	51.67	57.43	55.27	51.75	50.29	51.40	55.06	54.92	79.91
24	51.90	53.07	52.35	51.63	57.63	54.98	51.68	50.25	51.70	54.97	55.35	79.90
25	51.80	52.99	52.34	51.59	58.13	54.71	51.61	50.21	51.95	55.03	55.72	79.82
26	51.71	52.92	52.34	51.57	58.77	54.43	51.53	50.17	52.02	55.03	55.79	79.78
27	51.77	52.86	52.32	51.58	59.53	54.16	51.47	50.12	52.03	54.88	55.72	80.97
28	52.03	52.81	52.30	51.56	59.72	53.91	51.40	50.08	52.05	54.82	55.64	82.50
29	53.75	52.77	52.29	51.54	59.83	53.68	51.33	50.04	52.40	54.86	55.53	83.15
30	54.70	52.73	52.27	51.51	---	53.47	51.39	50.00	52.56	54.69	55.37	83.52
31	54.38	---	52.26	51.48	---	53.28	---	49.97	---	54.36	55.26	---
TOTAL	---	1,607.45	1,622.36	1,607.47	1,611.18	1,775.33	---	1,572.85	1,526.02	1,673.14	1,667.06	2,208.84
MEAN	---	53.58	52.33	51.85	55.56	57.27	---	50.74	50.87	53.97	53.78	73.63
MAX	---	54.38	52.70	52.24	59.83	60.49	---	51.59	52.56	55.24	55.79	83.52
MIN	---	52.73	52.02	51.48	51.61	53.28	---	49.97	49.95	52.21	51.88	54.86

02319000 WITHLACOOCHEE RIVER NEAR PINETTA, FL

LOCATION.--Lat 30° 35'43", long 83° 15'35", in NW$^1/_4$ sec. 7, T. 2 N., R. 11 E., Madison County, Hydrologic Unit 03110203, on right bank 300 ft downstream from County Road 150 bridge, 0.1 mi downstream from small tributary, 0.3 mi west of Bellville, 5.6 mi east of Pinetta, and 22 mi upstream from mouth.

DRAINAGE AREA.--2,120 mi^2, approximately.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only for October and November 1931, published in WSP 1304.

REVISED RECORDS.--WSP 972: 1941-42. WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 47.21 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Oct. 11, 1931 to Dec. 3, 1941, nonrecording gage at same site and datum. Dec. 3, 1941 to Aug. 2, 1972, water-stage recorder at same site and datum. Aug. 2, 1972 to Apr. 22, 1986, nonrecording gage at same site and datum.

REMARKS.--Records good. Maximum gage height, 23.17 ft, Sept. 30, stage rising, peak occurred Oct. 4, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1928 reached a stage of 36.75 ft from floodmarks, discharge, 53,600 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	528	2,040	768	707	2,200	4,920	587	448	167	2,000	417	287
2	504	2,340	868	694	2,520	5,050	558	550	171	2,090	395	266
3	471	2,610	842	677	2,770	5,110	526	498	211	2,100	413	290
4	435	2,810	746	666	2,820	5,010	491	448	234	2,060	444	289
5	396	2,800	659	662	2,630	4,600	454	406	207	1,940	424	271
6	368	2,480	590	643	2,270	3,810	427	368	186	1,750	352	408
7	344	1,990	532	621	2,160	2,990	414	347	163	1,540	281	1,880
8	326	1,600	496	607	2,200	2,480	430	424	152	1,350	221	3,670
9	310	1,340	482	603	2,240	2,200	456	556	142	1,220	186	4,150
10	296	1,170	486	595	2,370	2,000	460	593	139	1,190	173	4,480
11	318	1,060	494	589	2,580	1,850	430	567	e187	1,140	259	5,100
12	383	975	521	588	2,830	1,710	422	491	e237	996	695	5,850
13	398	893	564	596	3,130	1,600	427	444	e304	807	966	6,390
14	368	812	683	601	3,550	1,500	421	407	e348	663	1,160	6,640
15	334	753	973	604	4,050	1,410	424	351	e403	586	1,150	6,670
16	313	711	1,030	597	4,590	1,330	425	306	e447	536	1,040	6,610
17	304	674	1,070	585	5,050	1,270	432	274	e458	499	929	6,470
18	308	640	1,120	596	5,790	1,200	424	252	e503	507	978	6,230
19	310	616	1,150	599	7,870	1,140	409	265	563	728	1,130	5,790
20	300	580	1,170	586	9,240	1,100	385	242	e624	808	1,020	5,000
21	286	540	1,160	583	10,600	1,060	352	214	e635	832	871	4,280
22	274	539	1,130	582	10,900	1,020	326	200	661	931	806	3,750
23	258	556	1,070	571	10,100	976	308	189	670	906	780	3,320
24	242	538	1,010	558	8,810	929	294	282	626	837	747	2,910
25	225	576	953	541	7,310	868	286	312	621	847	723	2,500
26	224	622	904	529	5,750	812	297	268	594	808	675	2,130
27	267	605	856	828	4,830	760	298	234	666	731	591	3,430
28	423	616	806	1,130	4,630	721	285	209	920	701	516	6,120
29	1,140	674	767	1,210	4,740	684	271	187	1,310	579	456	7,730
30	1,450	702	740	1,490	---	653	306	168	1,660	492	390	10,000
31	1,720	---	724	1,830	---	619	---	165	---	441	328	---
MEAN	446	1,162	818	718	4,846	1,980	401	344	474	1,052	630	4,097
MAX	1,720	2,810	1,170	1,830	10,900	5,110	587	593	1,660	2,100	1,160	10,000
MIN	224	538	482	529	2,160	619	271	165	139	441	173	266
IN.	0.24	0.61	0.45	0.39	2.47	1.08	0.21	0.19	0.25	0.57	0.34	2.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	708	602	1,224	2,099	3,476	4,167	3,155	1,293	975	1,010	1,147	846
MAX	8,178	9,450	11,280	8,134	14,720	12,820	17,320	8,154	6,043	6,003	6,759	6,625
(WY)	(1995)	(1948)	(1965)	(1993)	(1986)	(2003)	(1948)	(1964)	(1973)	(1991)	(1991)	(1935)
MIN	85.7	78.1	92.4	116	133	238	253	161	101	80.2	81.7	96.5
(WY)	(1955)	(1955)	(1955)	(1934)	(1934)	(1955)	(1968)	(2002)	(2002)	(2002)	(2002)	(1954)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL MEAN	2,770		1,394		1,716	
HIGHEST ANNUAL MEAN					5,364	1948
LOWEST ANNUAL MEAN					236	1955
HIGHEST DAILY MEAN	24,000	Mar 13	10,900	Feb 22	73,600	Apr 5, 1948
LOWEST DAILY MEAN	224	Oct 26	139	Jun 10	19	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	254	Oct 21	168	Jun 5	26	Aug 11, 2002
MAXIMUM PEAK FLOW			11,000	Feb 22	79,400	Apr 5, 1948
MAXIMUM PEAK STAGE			21.85	Feb 22	38.64	Apr 5, 1948
INSTANTANEOUS LOW FLOW			137	Jun 10	14	Aug 13, 2002
ANNUAL RUNOFF (INCHES)	17.74		8.95		11.00	
10 PERCENT EXCEEDS	6,330		3,880		4,570	
50 PERCENT EXCEEDS	1,490		648		620	
90 PERCENT EXCEEDS	530		273		145	

e Estimated

02319302 MADISON BLUE SPRING NEAR MADISON, FL

LOCATION.--Lat 30° 28'49", long 83° 14'40" in SW $^1/_4$ sec. 17, T. 1 N., R.11 E., Madison County, Hydrologic Unit 03110203, on right bank of Withlacoochee River, 10.2 mi east of Madison, Fl.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1932, 1946, 1956, 1961, 1963, 1974, 1977, 1985, 1990-91, 1993, 1995-96, 1998 (miscellaneous discharge measurements), February 2002 to current year (fragmentary). Prior to February 2002, published as Blue Spring near Madison.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 33 ft above National Geodetic Vertical Datum of 1929. Prior to February 2002, non-recording gage at same site at National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Flow heavily affected by Withlacoochee River. Discharge computed from continuous velocity record obtained from water-current meter.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 510 ft^3/s, Sept. 20, maximum gage height, 25.26 ft, Sept. 30, stage rising (backwater from Withlacoochee River), peak occurred Oct. 6, 2004; maximum independent peak discharge, not determined, Feb. 22, gage height, 22.58 ft (backwater from Withlacoochee River).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	216	158	138	221	---	155	86	84	151	63	83
2	73	257	186	131	298	---	150	114	85	172	57	77
3	67	302	189	125	348	---	156	116	91	172	57	79
4	64	337	174	121	379	---	181	101	99	163	59	78
5	62	351	145	118	333	---	171	87	97	142	61	70
6	64	348	119	113	368	---	159	78	98	134	68	67
7	69	329	101	109	351	---	152	73	100	130	47	60
8	67	275	90	104	346	---	150	81	99	134	36	88
9	65	231	84	95	340	---	148	101	99	138	26	111
10	63	212	82	94	315	---	145	101	96	126	24	161
11	64	217	84	90	359	---	138	91	96	106	35	207
12	67	242	83	89	---	---	130	98	99	98	45	241
13	66	267	91	88	---	---	130	94	100	87	46	240
14	66	245	119	88	---	---	124	87	105	72	57	237
15	64	221	183	88	---	---	123	81	131	58	69	215
16	62	202	210	87	---	---	119	74	136	56	81	216
17	61	190	216	84	---	340	117	71	132	56	87	215
18	60	176	222	83	---	333	114	69	128	62	84	269
19	60	160	229	90	---	331	109	69	132	66	87	295
20	59	134	231	89	---	321	104	70	138	69	97	378
21	58	121	234	82	---	278	96	68	120	71	93	221
22	57	113	239	81	---	249	87	68	116	78	92	142
23	55	114	238	82	---	234	80	68	116	84	93	115
24	53	110	231	76	---	220	80	78	108	82	93	147
25	52	109	210	71	---	207	79	90	106	83	90	169
26	51	124	190	89	---	194	79	86	104	77	89	194
27	54	119	191	140	---	185	79	83	101	73	83	171
28	61	122	178	167	---	180	72	81	105	70	92	200
29	139	128	168	178	---	175	69	80	138	63	93	255
30	174	144	160	194	---	169	75	81	142	61	79	367
31	172	---	147	201	---	162	---	82	---	64	75	---
TOTAL	2,222	6,116	5,182	3,385	---	---	3,571	2,607	3,301	2,998	2,158	5,368
MEAN	71.7	204	167	109	---	---	119	84.1	110	96.7	69.6	179
MAX	174	351	239	201	---	---	181	116	142	172	97	378
MIN	51	109	82	71	---	---	69	68	84	56	24	60
MED	64	207	178	90	---	---	121	81	104	82	75	183
AC-FT	4,410	12,130	10,280	6,710	---	---	7,080	5,170	6,550	5,950	4,280	10,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	62.0	148	104	89.2	46.8	---	119	109	82.0	96.1	71.5	101
MAX	71.7	204	167	109	46.8	---	119	182	110	140	94.2	179
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	---	(2004)	(2003)	(2004)	(2003)	(2003)	(2004)
MIN	52.3	91.3	40.6	69.3	46.8	---	119	62.0	54.1	51.4	50.7	59.8
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	---	(2004)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS — WATER YEARS 2002 - 2004

HIGHEST DAILY MEAN	379	Feb 4, 2004
LOWEST DAILY MEAN	-61	Apr 10, 2003
ANNUAL SEVEN-DAY MINIMUM	-44	Dec 26, 2002
MAXIMUM PEAK FLOW	440	Apr 23, 2003
MAXIMUM PEAK STAGE	35.09	Mar 15, 2003
INSTANTANEOUS LOW FLOW	-114	Apr 20, 2003

02319394 WITHLACOOCHEE RIVER NEAR LEE, FL

LOCATION.--Lat 30° 24'37", long 83° 10'49", in SW$^1/_4$ sec.12, T. 1 S., R. 11 E., Madison County, Hydrologic Unit 03110203, near right bank on downstream side of bridge on County Road 141 and Myrrh Road, 2.3 mi upstream from mouth, and 7.3 mi east of Lee.

DRAINAGE AREA.--2,330 mi^2.

PERIOD OF RECORD.--November 2000 to current year.

REVISED RECORDS.--WRD FL-02-4:2001.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is not determined.

REMARKS.--Records fair. Flow affected by backwater from the Suwannee River. Maximum gage height, 51.20 ft, Sept. 30, stage rising, peak occurred Oct.7, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,190	2,080	1,060	956	2,370	4,550	1,450	852	515	2,400	750	920
2	1,160	2,370	1,160	926	2,980	4,680	1,410	1,030	463	2,630	734	908
3	1,140	2,700	1,160	911	3,520	4,770	1,360	987	459	2,770	741	837
4	1,090	3,040	1,150	890	3,680	4,860	1,320	929	470	2,820	777	903
5	1,050	3,210	1,050	870	3,590	4,750	1,260	859	412	2,800	763	859
6	1,010	3,140	988	886	3,300	4,450	1,180	797	398	2,670	711	940
7	984	2,780	938	839	3,180	3,920	1,170	765	369	2,410	626	1,550
8	939	2,330	881	840	3,200	3,470	1,190	757	317	2,150	556	3,230
9	930	2,020	836	816	3,220	3,320	1,160	891	310	1,890	512	3,870
10	913	1,800	845	822	3,410	3,100	1,160	1,020	315	1,800	517	4,270
11	911	1,680	859	803	3,730	2,930	1,130	1,020	343	1,710	561	4,800
12	923	1,570	864	791	4,160	2,760	1,100	967	378	1,550	923	5,330
13	934	1,490	879	794	4,500	2,650	1,110	895	404	1,330	1,290	5,850
14	902	1,390	946	808	4,950	2,560	1,070	802	451	1,150	1,600	6,060
15	855	1,300	1,110	809	5,340	2,450	1,020	776	573	1,030	1,650	6,190
16	863	1,260	1,270	810	5,460	2,430	955	764	626	929	1,560	6,310
17	827	1,220	1,330	801	5,660	2,310	888	731	639	882	1,480	6,040
18	821	1,160	1,370	819	6,030	2,240	944	695	653	853	1,500	5,870
19	806	1,130	1,440	820	6,710	2,210	902	680	724	1,010	1,720	5,530
20	818	1,080	1,470	812	7,280	2,140	892	638	814	1,160	1,670	5,150
21	775	1,040	1,450	796	8,240	2,110	862	557	839	1,180	1,580	4,620
22	763	1,030	1,420	789	8,390	2,010	786	496	854	1,300	1,500	4,160
23	725	1,020	1,360	771	7,910	1,960	760	495	890	1,320	1,470	3,700
24	712	988	1,300	770	7,110	1,890	745	537	842	1,260	1,420	3,320
25	688	973	1,250	728	6,200	1,800	699	559	834	1,260	1,380	3,000
26	701	1,020	1,180	695	5,450	1,740	727	523	821	1,210	1,330	3,110
27	747	990	1,110	874	4,890	1,680	845	541	825	1,130	1,260	2,830
28	816	1,010	1,060	1,280	4,540	1,630	815	561	1,040	1,100	1,170	4,730
29	1,160	996	1,030	1,390	4,490	1,550	789	509	1,470	967	1,130	5,980
30	1,590	1,040	1,020	1,700	---	1,530	843	498	1,920	859	1,040	7,210
31	1,810	---	992	2,010	---	1,500	---	513	---	783	957	---
MEAN	953	1,629	1,122	923	4,948	2,773	1,018	730	666	1,558	1,125	3,936
MAX	1,810	3,210	1,470	2,010	8,390	4,860	1,450	1,030	1,920	2,820	1,720	7,210
MIN	688	973	836	695	2,370	1,500	699	495	310	783	512	837

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	607	1,094	1,026	1,380	2,165	5,066	2,864	1,045	1,372	1,399	1,714	1,959
MAX	953	1,754	1,806	2,543	4,948	11,770	6,220	2,298	2,489	2,420	4,402	3,936
(WY)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	396	392	365	385	496	1,936	935	352	346	338	338	449
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL MEAN	3,395		1,764		1,916	
HIGHEST ANNUAL MEAN					3,416	2003
LOWEST ANNUAL MEAN					568	2002
HIGHEST DAILY MEAN	18,200	Mar 16	8,390	Feb 22	18,200	Mar 16, 2003
LOWEST DAILY MEAN	688	Oct 25	310	Jun 9	215	May 23, 2002
ANNUAL SEVEN-DAY MINIMUM	730	Oct 21	347	Jun 6	244	May 21, 2002
MAXIMUM PEAK FLOW			9,530	Feb 21	20,000	Mar 16, 2003
MAXIMUM PEAK STAGE			42.44	Feb 22	56.42	Mar 17, 2003
INSTANTANEOUS LOW FLOW			106	Jun 9	106	Jun 9, 2004
10 PERCENT EXCEEDS	7,070		4,460		4,360	
50 PERCENT EXCEEDS	2,310		1,100		1,050	
90 PERCENT EXCEEDS	1,000		686		344	

02319500 SUWANNEE RIVER AT ELLAVILLE, FL

LOCATION.--Lat 30° 23'04", long 83° 10'19", in NE$^1/_4$ sec. 24, T. 1 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, on left bank at Ellaville, 100 ft upstream from Seaboard Air Line Railroad bridge, 200 ft downstream from Withlacoochee River, 900ft upstream from bridge on U.S. Highway 90, and 127 mi upstream from mouth.

DRAINAGE AREA.--6,970 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--January 1927 to current year.

REVISED RECORDS.--WSP 1905: WDR FL-75-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 27.22 ft above National Geodetic Vertical Datum of 1929. Prior to June 20, 1932, nonrecording gage at same site and datum. Nov. 8, 1955 to Sept. 30, 1970, nonrecording gage 1.1 mi downstream from base gage at datum 2.67ft lower, used as supplementary gage when flow was less than 4,800 ft^3/s.

REMARKS.--Records good above 5,000 cfs, and fair below. Since Nov. 7, 1953, slight regulation at low water caused by diversions above control 0.7 mi downstream from gage by a steam-electric powerplant for cooling of condensers. Total diverted flow is returned to river below control. Records include flow of large spring on left bank about 200 ft downstream; spring flow may reverse during high stages. Maximum discharge 24,400 ft^3/s, Sept. 30, gage height, 23.94 ft, stage rising, peak occurred Oct. 7, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,660	5,440	3,140	2,930	3,780	12,700	3,660	2,110	1,250	3,050	2,660	3,150
2	3,530	5,740	3,180	2,900	4,190	12,700	3,540	2,290	1,220	3,200	2,550	3,090
3	3,400	5,990	3,190	2,880	4,620	12,700	3,430	2,280	1,220	3,280	2,460	3,050
4	3,290	6,230	3,140	2,860	4,910	12,600	3,340	2,250	1,270	3,310	2,380	3,030
5	3,180	6,410	3,070	2,840	5,000	12,400	3,230	2,200	1,260	3,280	2,280	3,040
6	3,080	6,440	3,000	2,810	4,940	12,100	3,140	2,110	1,230	3,190	2,160	3,270
7	2,990	6,220	2,940	2,770	4,910	11,600	3,060	2,020	1,220	3,080	2,020	5,280
8	2,920	5,840	2,880	2,750	5,110	11,100	3,020	1,970	1,200	2,990	1,880	9,740
9	2,850	5,440	2,840	2,740	5,310	10,500	2,980	2,020	1,190	e2,810	1,770	12,200
10	2,790	5,110	2,820	2,720	5,520	10,000	2,960	2,060	1,260	e2,780	1,680	13,500
11	2,760	4,840	2,780	2,690	5,770	9,530	2,910	2,040	1,240	e2,770	1,710	14,500
12	2,790	4,630	2,770	2,670	6,070	9,100	2,870	2,010	1,250	e2,750	2,070	15,600
13	2,820	4,430	2,770	2,660	6,430	8,670	2,840	1,960	1,270	e2,740	2,490	16,500
14	2,850	4,220	2,830	2,660	7,010	8,250	2,780	1,820	1,300	e2,720	2,960	17,200
15	2,820	4,050	2,940	2,650	7,920	7,870	2,730	1,740	1,410	2,690	3,180	17,600
16	2,790	3,910	3,080	2,620	8,910	7,540	2,690	1,660	1,470	2,660	3,150	18,000
17	2,760	3,770	3,160	2,600	9,720	7,210	2,660	1,590	1,490	2,600	3,090	18,300
18	2,730	3,650	3,200	2,610	10,400	6,870	2,630	1,550	1,540	2,610	3,150	18,600
19	2,700	3,600	3,230	2,600	11,100	6,530	2,580	1,510	1,610	2,760	3,310	18,900
20	2,650	3,520	3,250	2,580	12,000	6,220	2,490	1,490	1,660	2,920	3,310	18,900
21	2,620	3,450	3,250	2,570	12,900	5,960	2,370	1,450	1,690	2,990	3,230	18,800
22	2,590	3,390	3,240	2,560	13,500	5,680	2,290	1,420	1,690	3,070	3,250	18,600
23	2,550	3,340	3,200	2,540	13,700	5,390	2,230	1,380	1,710	3,090	3,330	18,400
24	2,490	3,290	3,170	2,510	13,700	5,130	2,120	1,370	1,700	3,080	3,410	18,200
25	2,420	3,240	3,150	2,490	13,500	4,890	2,070	1,390	1,730	3,070	3,470	17,900
26	2,380	3,230	3,120	2,470	13,300	4,660	2,030	1,370	1,760	3,070	3,510	17,600
27	2,390	3,200	3,090	2,500	12,900	4,450	2,010	1,330	1,840	3,020	3,490	18,400
28	2,520	3,170	3,060	2,720	12,700	4,260	2,010	1,290	2,050	2,980	3,420	20,200
29	3,170	3,150	3,040	2,820	12,700	4,090	2,010	1,260	2,390	2,890	3,360	22,100
30	4,350	3,170	3,010	3,080	---	3,940	2,040	1,240	2,750	2,810	3,280	23,700
31	4,980	---	2,960	3,410	---	3,790	---	1,250	---	2,740	3,210	---
MEAN	2,962	4,404	3,048	2,716	8,708	8,014	2,691	1,724	1,529	2,935	2,814	14,240
MAX	4,980	6,440	3,250	3,410	13,700	12,700	3,660	2,290	2,750	3,310	3,510	23,700
MIN	2,380	3,150	2,770	2,470	3,780	3,790	2,010	1,240	1,190	2,600	1,680	3,030
IN.	0.49	0.71	0.50	0.45	1.35	1.33	0.43	0.29	0.24	0.49	0.47	2.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	4,781	3,441	4,112	6,123	9,134	11,830	11,020	5,963	4,159	4,390	5,638	5,293
MAX	32,940	35,590	30,600	21,150	30,720	36,610	53,180	25,380	17,800	14,380	34,990	30,760
(WY)	(1929)	(1948)	(1948)	(1977)	(1991)	(1998)	(1948)	(1928)	(1973)	(1991)	(1928)	(1928)
MIN	913	895	805	882	1,189	1,240	1,702	1,245	792	877	903	1,081
(WY)	(2003)	(2000)	(2002)	(2000)	(1957)	(1955)	(1968)	(1932)	(2000)	(2000)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL MEAN	8,260		4,615		6,347	
HIGHEST ANNUAL MEAN					19,710	1948
LOWEST ANNUAL MEAN					1,296	1955
HIGHEST DAILY MEAN	30,800	Mar 17	23,700	Sep 30	94,700	Apr 8, 1948
LOWEST DAILY MEAN	2,380	Oct 26	1,190	Jun 9	720	Jun 20, 2000
ANNUAL SEVEN-DAY MINIMUM	2,480	Oct 22	1,230	Jun 3	740	Jun 16, 2000
MAXIMUM PEAK FLOW			13,800	Feb 23	95,300	Apr 7, 1948
MAXIMUM PEAK STAGE			13.53	Feb 23	40.88	Apr 7, 1948
INSTANTANEOUS LOW FLOW			1,180	Jun 8	703	Jun 20, 2000
ANNUAL RUNOFF (INCHES)	16.09		9.02		12.37	
10 PERCENT EXCEEDS	19,100		12,100		14,600	
50 PERCENT EXCEEDS	5,980		3,040		3,810	
90 PERCENT EXCEEDS	3,000		1,670		1,450	

e Estimated

02319500 SUWANNEE RIVER AT ELLAVILLE, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.05	5.67	3.59	3.40	4.16	12.52	4.05	2.75	2.12	3.50	3.16	3.60
2	3.94	5.95	3.62	3.37	4.54	12.53	3.95	2.88	2.10	3.64	3.08	3.54
3	3.82	6.18	3.63	3.35	4.93	12.50	3.85	2.88	2.10	3.71	3.01	3.50
4	3.72	6.41	3.59	3.33	5.19	12.42	3.76	2.86	2.14	3.74	2.95	3.49
5	3.62	6.58	3.53	3.32	5.28	12.26	3.67	2.82	2.14	3.71	2.88	3.50
6	3.53	6.60	3.46	3.29	5.22	11.94	3.58	2.76	2.11	3.63	2.80	3.70
7	3.46	6.40	3.41	3.26	5.19	11.46	3.52	2.70	2.10	3.53	2.70	5.53
8	3.39	6.05	3.35	3.23	5.37	10.95	3.48	2.66	2.08	3.45	2.61	9.70
9	3.33	5.68	3.31	3.23	5.56	10.46	3.45	2.70	2.08	---	2.53	12.02
10	3.27	5.38	3.30	3.21	5.75	9.97	3.42	2.72	2.14	---	2.47	13.30
11	3.25	5.13	3.27	3.19	5.98	9.50	3.38	2.71	2.11	---	2.49	14.27
12	3.27	4.94	3.26	3.16	6.26	9.09	3.34	2.69	2.12	---	2.74	15.32
13	3.30	4.75	3.25	3.16	6.60	8.68	3.32	2.66	2.14	---	3.03	16.21
14	3.33	4.57	3.31	3.16	7.13	8.30	3.26	2.56	2.17	---	3.43	16.85
15	3.30	4.41	3.41	3.15	7.98	7.94	3.22	2.51	2.26	3.19	3.62	17.30
16	3.28	4.28	3.55	3.12	8.92	7.63	3.19	2.46	2.31	3.15	3.60	17.65
17	3.25	4.16	3.68	3.10	9.68	7.32	3.16	2.41	2.33	3.11	3.54	17.97
18	3.22	4.04	3.64	3.11	10.31	7.00	3.13	2.38	2.37	3.11	3.60	18.26
19	3.19	4.00	3.67	3.11	11.03	6.69	3.09	2.35	2.42	3.25	3.74	18.48
20	3.15	3.93	3.68	3.09	11.81	6.40	3.02	2.33	2.46	3.39	3.74	18.51
21	3.12	3.87	3.68	3.08	12.67	6.16	2.94	2.29	2.47	3.45	3.67	18.39
22	3.09	3.81	3.67	3.07	13.27	5.90	2.89	2.27	2.48	3.52	3.69	18.23
23	3.06	3.77	3.70	3.06	13.50	5.63	2.84	2.24	2.49	3.55	3.75	18.05
24	3.01	3.72	3.72	3.04	13.48	5.39	2.76	2.23	2.48	3.53	3.82	17.82
25	2.94	3.68	3.68	3.02	13.32	5.17	2.72	2.25	2.50	3.53	3.89	17.54
26	2.91	3.67	3.64	3.00	13.05	4.97	2.70	2.22	2.52	3.52	3.92	17.27
27	2.92	3.64	3.60	3.02	12.74	4.78	2.68	2.19	2.58	3.48	3.90	18.03
28	3.03	3.62	3.54	3.21	12.56	4.60	2.69	2.16	2.72	3.45	3.84	19.83
29	3.61	3.60	3.49	3.30	12.50	4.44	2.68	2.13	2.96	3.36	3.78	21.65
30	4.68	3.61	3.47	3.53	---	4.30	2.71	2.11	3.24	3.29	3.72	23.25
31	5.25	---	3.43	3.83	---	4.18	---	2.12	---	3.23	3.65	---
TOTAL	106.29	142.10	109.13	99.50	253.98	251.08	96.45	77.00	70.24	---	103.35	422.76
MEAN	3.43	4.74	3.52	3.21	8.76	8.10	3.21	2.48	2.34	---	3.33	14.09
MAX	5.25	6.60	3.72	3.83	13.50	12.53	4.05	2.88	3.24	---	3.92	23.25
MIN	2.91	3.60	3.25	3.00	4.16	4.18	2.68	2.11	2.08	---	2.47	3.49

CAL YR 2003 TOTAL 3,011.70 MEAN 8.25 MAX 28.22 MIN 2.91

02319800 SUWANNEE RIVER AT DOWLING PARK, FL

LOCATION.--Lat 30° 14'41", long 83° 14'59", in $NW^1/_4$ sec. 8, T. 3 S., R. 11 E., Lafayette County, Hydrologic Unit 03110205, at bridge on County Road 250 at Dowling Park, and 112 mi upstream from mouth.

DRAINAGE AREA.--7,190 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--March 1950 to August 1954 and November 1975 to October 1977 (annual maximum discharge and gage-height), October 1996 to current year.

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

REMARKS.--Records fair. Maximum discharge, 21,400 ft^3/s, Sept. 30, gage height, 42.82 ft, stage rising, peak occurred Oct. 9, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 7, 1948, reached a stage of 61.46 ft, from floodmarks; discharge, 92,600 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,990	4,880	3,190	2,900	3,430	10,900	3,670	2,110	1,540	2,690	2,610	3,150
2	3,800	5,150	3,200	2,870	3,750	10,900	3,550	2,200	1,510	2,900	2,530	3,110
3	3,610	5,370	3,220	2,840	4,100	10,900	3,450	2,240	1,500	3,020	2,440	3,050
4	3,480	5,580	3,190	2,810	4,380	10,900	3,350	2,210	1,550	3,110	2,380	3,030
5	3,360	5,740	3,110	2,790	4,530	10,800	3,250	2,180	1,550	3,130	2,310	3,030
6	3,250	5,820	3,040	2,750	4,550	10,500	3,150	2,120	1,520	3,080	2,220	3,250
7	3,170	5,740	2,980	2,710	4,520	10,200	3,070	2,050	1,510	2,990	2,130	4,220
8	3,080	5,530	2,920	2,690	4,610	9,770	3,020	2,000	1,500	2,920	2,040	7,250
9	3,010	5,270	2,880	2,680	4,770	9,370	2,960	2,010	1,480	2,810	1,970	9,690
10	2,930	5,020	2,860	2,660	4,930	8,960	2,900	2,040	1,510	2,790	1,910	11,000
11	2,910	4,810	2,820	2,630	5,100	8,560	2,860	2,040	1,510	2,810	1,910	12,000
12	2,920	4,620	2,790	2,610	5,300	8,210	2,820	2,030	1,510	2,780	2,030	13,000
13	2,920	4,450	2,780	2,590	5,550	7,870	2,790	2,000	1,520	2,670	2,340	13,900
14	2,950	4,280	2,840	2,590	5,940	7,540	2,710	1,960	1,540	2,600	2,680	14,600
15	2,920	4,140	2,900	2,570	6,540	7,240	2,660	1,920	1,580	2,590	2,990	15,100
16	2,890	4,000	3,060	2,540	7,300	6,960	2,610	1,870	1,650	2,560	3,070	15,600
17	2,850	3,880	3,190	2,520	7,970	6,690	2,560	1,820	1,670	2,530	3,030	15,900
18	2,810	3,780	3,290	2,530	8,530	6,420	2,520	1,790	1,690	2,510	3,080	16,200
19	2,770	3,730	3,330	2,510	9,130	6,150	2,470	1,760	1,740	2,580	3,190	16,500
20	2,730	3,630	3,350	2,490	9,790	5,900	2,430	1,750	1,760	2,740	3,250	16,600
21	2,680	3,560	3,350	2,480	10,500	5,670	2,390	1,720	1,780	2,820	3,210	16,600
22	2,650	3,490	3,350	2,480	11,200	5,460	2,330	1,690	1,800	2,890	e3,360	16,500
23	2,590	3,440	3,320	2,460	11,500	5,230	2,280	1,660	1,810	2,950	e3,390	16,400
24	2,520	3,390	3,300	2,440	11,600	5,020	2,230	1,640	1,810	2,960	e3,460	16,200
25	2,450	3,330	3,250	2,420	11,500	4,820	2,190	1,640	1,810	2,970	e3,540	16,000
26	2,400	3,290	3,210	2,390	11,300	4,620	2,160	1,630	1,830	2,940	e3,590	15,800
27	2,410	3,260	3,160	2,360	11,100	4,440	2,120	1,600	1,870	2,910	3,430	16,400
28	2,490	3,240	3,110	2,520	10,900	4,270	2,090	1,570	1,970	2,880	3,390	17,700
29	2,890	3,200	3,040	2,690	10,900	4,110	2,060	1,550	2,140	2,820	3,330	19,300
30	3,840	3,210	2,990	2,870	---	3,950	2,090	1,520	2,400	2,750	3,270	20,800
31	4,460	---	2,940	3,130	---	3,810	---	1,520	---	2,680	3,200	---
MEAN	3,024	4,294	3,095	2,630	7,421	7,295	2,691	1,866	1,685	2,819	2,815	12,400
MAX	4,460	5,820	3,350	3,130	11,600	10,900	3,670	2,240	2,400	3,130	3,590	20,800
MIN	2,400	3,200	2,780	2,360	3,430	3,810	2,060	1,520	1,480	2,510	1,910	3,030
IN.	0.48	0.67	0.50	0.42	1.11	1.17	0.42	0.30	0.26	0.45	0.45	1.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	3,591	3,537	3,610	4,951	6,748	11,810	7,124	3,297	2,832	2,823	3,345	4,194
MAX	10,700	10,650	13,190	18,280	22,750	38,110	17,010	6,661	6,798	6,431	9,407	12,400
(WY)	(1999)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	1,083	1,100	985	1,085	1,200	1,938	2,047	1,319	1,030	944	936	1,098
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2000)	(1999)	(2002)	(2000)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL MEAN	7,873		4,309		4,812	
HIGHEST ANNUAL MEAN					11,550	1998
LOWEST ANNUAL MEAN					1,487	2002
HIGHEST DAILY MEAN	29,200	Mar 19	20,800	Sep 30	53,100	Mar 20, 1998
LOWEST DAILY MEAN	2,280	Feb 6	1,480	Jun 9	875	Jul 23, 2002
ANNUAL SEVEN-DAY MINIMUM	2,370	Feb 2	1,510	Jun 6	896	Jul 19, 2002
MAXIMUM PEAK FLOW			11,600	Feb 24	53,500	Mar 20, 1998
MAXIMUM PEAK STAGE			33.99	Feb 24	54.07	Mar 20, 1998
INSTANTANEOUS LOW FLOW			1,470	Jun 9	859	Jul 23, 2002
ANNUAL RUNOFF (INCHES)	14.87		8.16		9.09	
10 PERCENT EXCEEDS	17,500		10,300		10,800	
50 PERCENT EXCEEDS	5,890		2,980		2,820	
90 PERCENT EXCEEDS	2,910		1,810		1,100	

e Estimated

02319800 SUWANNEE RIVER AT DOWLING PARK, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.51	26.79	24.47	24.08	24.85	33.31	25.23	22.94	22.07	23.76	23.57	24.31
2	25.36	27.11	24.48	24.03	25.29	33.33	25.07	23.09	22.02	24.04	23.45	24.25
3	25.20	27.37	24.51	23.99	25.76	33.31	24.91	23.14	22.01	24.19	23.33	24.18
4	25.04	27.62	24.46	23.95	26.12	33.28	24.76	23.10	22.08	24.28	23.23	24.14
5	24.89	27.81	24.37	23.92	26.31	33.18	24.61	23.05	22.08	24.28	23.14	24.14
6	24.74	27.90	24.26	23.87	26.34	32.96	24.46	22.96	22.05	24.21	23.02	24.45
7	24.63	27.80	24.18	23.81	26.29	32.60	24.33	22.86	22.02	24.09	22.88	25.79
8	24.52	27.54	24.10	23.79	26.42	32.17	24.26	22.78	22.01	24.00	22.75	29.48
9	24.42	27.21	24.04	23.77	26.61	31.76	24.17	22.80	21.98	23.85	22.64	32.09
10	24.32	26.91	24.02	23.73	26.81	31.34	24.09	22.84	22.03	23.81	22.54	33.43
11	24.28	26.64	23.95	23.70	27.02	30.91	24.03	22.84	22.03	23.85	22.55	34.37
12	24.30	26.40	23.92	23.66	27.27	30.54	23.96	22.83	22.02	23.80	22.73	35.35
13	24.30	26.17	23.90	23.64	27.58	30.18	23.92	22.78	22.04	23.66	23.19	36.23
14	24.33	25.96	23.99	23.64	28.03	29.82	23.81	22.73	22.08	23.56	23.66	36.88
15	24.30	25.77	24.08	23.62	28.71	29.49	23.74	22.66	22.14	23.54	24.09	37.35
16	24.25	25.59	24.30	23.57	29.55	29.18	23.67	22.58	22.25	23.50	24.20	37.75
17	24.21	25.42	24.47	23.54	30.28	28.88	23.60	22.52	22.28	23.46	24.15	38.06
18	24.15	25.29	24.62	23.56	30.89	28.57	23.54	22.46	22.31	23.43	24.22	38.36
19	24.09	25.22	24.68	23.53	31.51	28.27	23.48	22.42	22.38	23.53	24.36	38.61
20	24.03	25.08	24.70	23.50	32.20	27.98	23.42	22.40	22.42	23.75	24.44	38.72
21	23.97	24.98	24.72	23.49	32.95	27.72	23.35	22.36	22.45	23.87	24.39	38.68
22	23.92	24.89	24.71	23.48	33.57	27.46	23.28	22.31	22.48	23.96	---	38.59
23	23.84	24.82	24.67	23.45	33.88	27.19	23.20	22.27	22.50	24.03	---	38.48
24	23.74	24.75	24.64	23.42	33.97	26.93	23.13	22.22	22.49	24.05	---	38.32
25	23.64	24.66	24.56	23.39	33.92	26.69	23.07	22.24	22.50	24.07	---	38.12
26	23.57	24.62	24.51	23.35	33.74	26.45	23.02	22.22	22.53	24.02	---	37.94
27	23.58	24.58	24.44	23.31	33.50	26.22	22.96	22.17	22.58	23.98	24.70	38.49
28	23.70	24.53	24.36	23.54	33.35	26.00	22.91	22.13	22.74	23.95	24.64	39.65
29	24.26	24.49	24.27	23.78	33.29	25.80	22.88	22.09	23.00	23.86	24.56	41.07
30	25.50	24.50	24.20	24.04	---	25.60	22.93	22.05	23.37	23.76	24.47	42.31
31	26.28	---	24.13	24.41	---	25.42	---	22.04	---	23.66	24.37	---
MEAN	24.42	25.95	24.35	23.70	29.52	29.44	23.79	22.58	22.30	23.86	---	34.32
MAX	26.28	27.90	24.72	24.41	33.97	33.33	25.23	23.14	23.37	24.28	---	42.31
MIN	23.57	24.49	23.90	23.31	24.85	25.42	22.88	22.04	21.98	23.43	---	24.14

02320000 SUWANNEE RIVER AT LURAVILLE, FL

LOCATION.--Lat 30° 05'59", long 83° 10'18", in NE$^1/_4$ sec. 36, T. 4 S., R. 11 E., Suwannee County, Hydrologic Unit 03110205, at bridge on State Highway 51, 1.6 mi south of Luraville, 3.0 mi north of Mayo, and 97 mi upstream from mouth.

DRAINAGE AREA.--7,330 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--February 1927 to December 1937, March 1950 to October 1972 and October 1977 to September 1981 (annual maximum discharge and gage-height), October 1996 to current year.

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

REMARKS.--Records fair. Maximum discharge, 22,600 ft^3/s, Sept. 30, gage height, 36.04 ft, stage rising, peak occurred Oct. 10, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,390	4,990	3,440	3,130	3,640	11,500	e4,150	2,380	1,730	2,890	2,860	3,440
2	4,260	5,280	3,440	3,100	3,890	11,500	e4,030	2,450	1,710	3,140	2,780	3,410
3	4,140	5,500	3,460	3,060	4,200	11,500	e3,900	2,550	1,700	3,280	2,690	3,340
4	4,020	5,720	3,450	3,030	4,500	11,500	e3,800	2,520	1,760	3,370	2,600	3,310
5	3,900	5,880	3,390	3,010	4,690	11,500	e3,700	2,480	1,750	3,400	2,530	3,330
6	3,800	5,960	3,300	3,000	4,750	11,300	e3,640	2,420	1,730	3,350	2,440	3,520
7	3,710	5,940	3,220	2,940	4,750	11,000	e3,580	2,340	1,710	3,270	2,340	4,060
8	3,620	5,750	3,160	2,920	4,810	10,600	e3,540	2,270	1,710	3,200	2,230	6,320
9	3,540	5,530	3,100	2,910	4,960	10,200	3,480	2,260	1,690	3,090	2,140	8,890
10	3,470	5,300	3,080	2,890	5,100	9,800	3,420	2,300	1,690	3,020	2,060	10,600
11	3,460	5,100	3,030	2,860	5,260	9,370	3,360	2,300	1,710	3,050	2,050	11,800
12	3,450	4,910	2,990	2,820	5,440	9,000	3,290	2,310	1,690	3,040	2,130	13,000
13	3,430	4,720	2,980	2,820	5,670	8,650	3,230	2,270	1,690	2,950	2,470	14,100
14	3,430	4,550	3,040	2,810	6,000	8,310	3,140	2,220	1,730	2,840	2,790	15,000
15	3,410	4,420	3,070	2,800	6,480	7,990	3,080	2,170	1,750	2,820	3,160	15,700
16	3,370	4,290	3,230	2,770	7,150	7,720	3,010	2,110	1,830	2,800	3,310	16,200
17	3,320	4,160	3,370	2,740	7,800	7,430	2,950	2,060	1,860	2,780	3,300	16,700
18	3,280	4,060	3,460	2,760	8,370	7,150	2,890	2,010	1,870	2,770	3,330	17,100
19	3,230	4,000	3,530	2,740	8,980	6,870	e2,820	1,970	1,920	2,790	3,410	17,500
20	3,170	3,900	3,550	2,710	9,650	6,610	2,780	1,950	1,960	2,940	3,490	17,700
21	3,120	3,820	3,560	2,710	10,400	6,380	2,730	1,920	1,990	3,040	3,480	17,800
22	3,070	3,760	3,560	2,700	11,100	6,160	2,670	1,890	2,020	3,110	3,470	17,800
23	3,020	3,700	3,550	2,680	11,600	5,910	2,610	1,850	2,020	3,180	3,500	17,700
24	2,960	3,650	3,530	2,660	11,900	e5,640	2,550	1,830	2,020	3,190	3,560	17,600
25	2,900	3,590	3,480	2,640	11,900	e5,430	2,490	1,830	2,020	3,250	3,620	17,400
26	2,830	3,550	3,440	2,610	11,800	e5,170	2,440	1,820	2,030	3,190	3,660	17,300
27	2,850	3,520	3,410	2,580	11,600	e4,970	2,420	1,790	2,060	3,170	3,680	17,800
28	2,890	3,490	3,350	2,700	11,500	e4,780	2,370	1,760	2,150	3,150	3,640	18,800
29	3,180	3,460	3,280	2,890	11,500	e4,610	2,340	1,740	2,310	3,090	3,600	20,400
30	3,950	3,450	3,240	3,070	---	e4,440	2,380	1,710	2,590	3,010	3,540	22,000
31	4,580	---	3,180	3,340	---	e4,300	---	1,700	---	2,940	3,480	---
MEAN	3,476	4,532	3,318	2,852	7,565	7,977	3,093	2,103	1,880	3,068	3,011	12,990
MAX	4,580	5,960	3,560	3,340	11,900	11,500	4,150	2,550	2,590	3,400	3,680	22,000
MIN	2,830	3,450	2,980	2,580	3,640	4,300	2,340	1,700	1,690	2,770	2,050	3,310
IN.	0.55	0.69	0.53	0.45	1.12	1.26	0.47	0.33	0.29	0.49	0.48	1.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	6,780	4,246	3,858	4,972	7,405	10,550	9,595	5,843	3,757	3,888	6,058	6,668
MAX	31,460	12,180	13,710	18,570	22,980	34,680	24,050	24,060	8,453	11,430	32,590	28,650
(WY)	(1929)	(1929)	(1998)	(1998)	(1998)	(1998)	(1930)	(1928)	(1928)	(1928)	(1928)	(1928)
MIN	1,236	1,316	1,173	1,176	1,380	1,969	2,248	1,359	1,101	1,112	1,160	1,220
(WY)	(2003)	(2000)	(2000)	(2000)	(2002)	(2000)	(1934)	(2002)	(2000)	(2000)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL MEAN	8,570		4,629		6,245	
HIGHEST ANNUAL MEAN					12,570	1929
LOWEST ANNUAL MEAN					1,673	2002
HIGHEST DAILY MEAN	30,000	Mar 20	22,000	Sep 30	66,000	Aug 24, 1928
LOWEST DAILY MEAN	2,730	Feb 6	1,690	Jun 9	1,050	Jun 20, 2000
ANNUAL SEVEN-DAY MINIMUM	2,820	Feb 2	1,700	Jun 7	1,070	Jun 14, 2000
MAXIMUM PEAK FLOW			11,700	Feb 24	90,000	Apr 8, 1948
MAXIMUM PEAK STAGE			28.02	Feb 25	53.50	Apr 8, 1948
INSTANTANEOUS LOW FLOW			1,670	May 31	1,040	Jun 28, 2002
ANNUAL RUNOFF (INCHES)	15.98		8.66		11.66	
10 PERCENT EXCEEDS	20,100		10,600		14,700	
50 PERCENT EXCEEDS	6,190		3,320		3,700	
90 PERCENT EXCEEDS	3,240		2,020		1,490	

e Estimated

02320000 SUWANNEE RIVER AT LURAVILLE, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.14	21.78	20.05	19.73	20.29	27.83	---	18.91	18.12	19.47	19.43	20.05
2	21.00	22.08	20.05	19.69	20.59	27.86	---	18.99	18.09	19.73	19.34	20.01
3	20.87	22.31	20.08	19.65	20.93	27.88	---	19.09	18.08	19.88	19.23	19.94
4	20.73	22.53	20.06	19.62	21.26	27.88	---	19.05	18.15	19.97	19.14	19.91
5	20.60	22.69	19.99	19.60	21.47	27.83	---	19.02	18.14	20.00	19.07	19.93
6	20.48	22.77	19.90	19.58	21.53	27.70	---	18.95	18.11	19.95	18.97	20.14
7	20.38	22.75	19.82	19.52	21.53	27.45	---	18.87	18.08	19.86	18.86	20.77
8	20.27	22.56	19.75	19.50	21.60	27.11	---	18.79	18.08	19.79	18.74	23.13
9	20.18	22.34	19.69	19.48	21.75	26.78	20.10	18.78	18.05	19.68	18.63	25.61
10	20.09	22.11	19.67	19.46	21.90	26.43	20.02	18.81	18.06	19.61	18.54	27.07
11	20.07	21.90	19.62	19.43	22.06	26.05	19.96	18.82	18.08	19.64	18.53	28.12
12	20.06	21.70	19.58	19.39	22.25	25.72	19.89	18.83	18.06	19.63	18.62	29.05
13	20.03	21.50	19.57	19.38	22.48	25.40	19.82	18.78	18.07	19.53	19.01	29.93
14	20.04	21.32	19.63	19.37	22.81	25.08	19.73	18.73	18.11	19.41	19.34	30.63
15	20.01	21.17	19.66	19.36	23.28	24.78	19.67	18.67	18.15	19.38	19.76	31.14
16	19.97	21.03	19.82	19.33	23.95	24.51	19.60	18.60	18.25	19.36	19.91	31.57
17	19.92	20.89	19.97	19.30	24.60	24.23	19.53	18.55	18.28	19.34	19.90	31.90
18	19.88	20.78	20.08	19.32	25.14	23.95	19.46	18.48	18.31	19.32	19.93	32.21
19	19.83	20.71	20.16	19.29	25.70	23.68	---	18.43	18.36	19.35	20.02	32.49
20	19.77	20.60	20.18	19.26	26.30	23.42	19.34	18.40	18.41	19.52	20.11	32.66
21	19.71	20.51	20.20	19.25	26.97	23.19	19.28	18.37	18.45	19.63	20.09	32.72
22	19.66	20.43	20.20	19.25	27.55	22.96	19.22	18.32	18.49	19.70	20.08	32.72
23	19.61	20.36	20.18	19.23	27.93	22.72	19.15	18.28	18.50	19.78	20.12	32.67
24	19.54	20.31	20.16	19.20	28.13	---	19.09	18.24	18.49	19.79	20.20	32.58
25	19.47	20.24	20.10	19.18	28.16	---	19.03	18.25	18.49	19.85	20.26	32.45
26	19.39	20.19	20.06	19.15	28.06	---	18.97	18.24	18.51	19.79	20.32	32.36
27	19.42	20.15	20.01	19.12	27.93	---	18.95	18.20	18.54	19.76	20.34	32.76
28	19.46	20.11	19.95	19.25	27.83	---	18.89	18.16	18.65	19.74	20.30	33.45
29	19.78	20.07	19.88	19.47	27.81	---	18.86	18.13	18.83	19.68	20.24	34.55
30	20.65	20.07	19.84	19.66	---	---	18.91	18.09	19.13	19.60	20.17	35.61
31	21.34	---	19.78	19.95	---	---	---	18.07	---	19.52	20.10	---
TOTAL	623.35	637.96	617.69	601.97	701.79	---	---	575.90	549.12	609.26	607.30	858.13
MEAN	20.11	21.27	19.93	19.42	24.20	---	---	18.58	18.30	19.65	19.59	28.60
MAX	21.34	22.77	20.20	19.95	28.16	---	---	19.09	19.13	20.00	20.34	35.61
MIN	19.39	20.07	19.57	19.12	20.29	---	---	18.07	18.05	19.32	18.53	19.91

02320250 TROY SPRING NEAR BRANFORD, FL

LOCATION.--Lat 30° 00'21", long 82° 59'51", in SE $^{1}/_{4}$ sec. 34, T 5 S., R. 13 E., Lafayette County, Hydrologic Unit 03110205, on right bank of Suwannee River in Troy Spring State Park, 5.3 mi northwest of Branford, and 6.8 mi upstream from bridge on U.S. Highway 27.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1942-1995 (9 miscellaneous discharge measurements), 1998, March 2002 to current year (discharge measurements and gage heights only).

GAGE.--Water Stage and water-current meter recorders. Datum of gage is not determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum measured discharge, 206 ft^3/s, June 8, 1998; minimum measured discharge, 58 ft^3/s, Dec. 18, 2002.

EXTREMES FOR CURRENT PERIOD OF RECORD.-- Maximum measured discharge, 136 ft^3/s, Oct. 14, gage height, 11.72 ft; minimum measured discharge, 81 ft^3/s, June 30, gage height, 11.28 ft.

DISCHARGE MEASUREMENTS, OCTOBER 2003 TO SEPTEMBER 2004

DATE	TIME	STREAM STAGE	DISCHARGE IN FT3/S
Oct. 14, 2003	1215	11.72	136
Dec. 12, 2003	1336	11.28	98
May 24, 2004	1329	8.70	130
June 8, 2004	1204	8.37	121
June 30, 2004	1203	9.28	81

02320500 SUWANNEE RIVER AT BRANFORD, FL

LOCATION.--Lat 29° 57'20", long 82° 55'40", in NE$^1/_4$ sec. 20, T. 6 S., R. 14 E., Suwannee County, Hydrologic Unit 03110205, near left bank on upstream side of bridge on U.S. Highway 27 at Branford, 10.2 mi upstream from Santa Fe River, and 75 mi upstream from mouth.

DRAINAGE AREA.--7,880 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

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

REVISED RECORDS.--WSP 1905: WDR FL-75-1: Drainage area. WDR FL-96-4:1995.

GAGE.--Water-stage recorder. Datum of gage is 4.81 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for estimated daily discharges which are fair. Maximum discharge, 22,000 ft^3/s, Sept. 30, gage height, 21.45 ft, stage rising, peak occurred Oct. 12, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1928 reached a stage of 32.0 ft, from floodmark; discharge, 65,000 ft^3/s computed on basis of measured crest flow at Ellaville (station 02319500).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,730	5,320	4,120	3,720	3,770	11,900	5,090	3,080	e2,350	3,000	3,090	3,600
2	5,600	5,650	4,100	3,680	4,000	11,900	4,940	3,080	e2,350	3,170	e3,150	3,570
3	5,460	5,890	4,090	3,650	4,250	12,000	4,810	3,130	e2,320	3,280	e2,990	3,520
4	5,330	6,130	4,100	3,630	4,510	12,000	4,690	3,110	e2,300	3,370	e2,930	3,470
5	5,200	6,350	4,080	3,610	4,720	12,000	4,560	3,070	e2,330	3,400	2,890	3,460
6	5,070	6,480	4,010	3,580	4,880	12,000	4,440	3,040	e2,340	3,400	2,830	3,700
7	4,940	6,550	3,940	3,510	4,980	11,800	4,330	2,990	e2,320	3,360	2,750	4,340
8	4,820	6,500	3,880	3,480	4,940	11,600	4,260	2,940	e2,280	3,330	2,650	5,670
9	4,710	6,360	3,840	3,490	5,030	11,200	4,180	2,910	e2,270	3,280	2,590	8,000
10	4,620	6,150	3,840	3,480	5,170	10,900	4,090	2,900	2,260	3,200	2,530	10,500
11	4,570	5,960	3,810	3,440	5,330	10,500	4,020	2,910	2,260	3,180	2,500	12,800
12	4,580	5,790	3,730	3,410	5,490	10,100	3,960	2,920	2,250	3,210	2,530	14,500
13	4,510	5,630	3,700	3,400	5,660	9,740	3,970	2,890	2,240	3,180	2,740	16,000
14	4,490	5,450	3,740	3,390	5,920	9,380	3,870	2,840	2,290	3,100	2,890	17,100
15	4,470	5,280	3,740	3,380	6,270	9,050	3,760	2,800	2,310	3,060	3,120	17,800
16	4,410	5,160	3,780	3,350	6,740	8,800	3,690	2,760	2,340	3,050	3,300	18,500
17	4,370	5,020	3,880	3,320	7,320	8,480	3,630	2,720	2,370	3,030	3,350	19,000
18	4,330	4,910	3,970	3,350	7,900	8,170	3,580	2,680	2,380	3,040	3,370	19,300
19	4,280	4,870	4,040	3,340	8,490	7,880	3,530	2,640	2,400	3,030	3,410	19,700
20	4,210	4,760	4,060	3,290	9,140	7,600	3,490	2,610	2,440	3,060	3,480	19,900
21	4,150	4,620	4,070	3,260	9,860	7,340	3,440	2,590	2,480	3,130	3,530	20,100
22	4,110	4,550	4,080	3,250	10,600	7,090	3,390	2,560	2,510	3,170	3,550	20,100
23	4,060	4,490	4,080	3,240	11,200	6,830	3,330	2,530	2,530	3,230	3,550	20,100
24	4,000	4,440	4,100	3,220	11,700	6,580	3,260	2,500	2,530	3,270	3,590	20,000
25	3,930	4,370	4,050	3,220	11,900	6,350	3,210	2,470	2,530	3,310	3,630	19,900
26	3,860	4,320	3,990	3,230	12,000	6,140	3,160	2,460	2,540	3,290	3,680	19,900
27	3,870	4,270	3,940	3,220	11,900	5,940	3,120	2,430	2,560	3,270	3,720	20,800
28	3,880	4,250	3,910	3,170	11,800	5,750	3,060	2,410	2,600	3,260	3,720	21,200
29	4,000	4,190	3,860	3,260	11,800	5,570	3,030	2,400	2,680	3,230	3,720	21,500
30	4,330	4,130	3,820	3,380	---	5,400	3,050	e2,330	2,830	3,180	3,690	21,600
31	4,890	---	3,770	3,530	---	5,240	---	e2,350	---	3,130	3,640	---
MEAN	4,541	5,261	3,939	3,403	7,492	8,878	3,831	2,744	2,406	3,200	3,197	14,320
MAX	5,730	6,550	4,120	3,720	12,000	12,000	5,090	3,130	2,830	3,400	3,720	21,600
MIN	3,860	4,130	3,700	3,170	3,770	5,240	3,030	2,330	2,240	3,000	2,500	3,460
MED	4,470	5,220	3,940	3,380	6,270	8,800	3,720	2,760	2,350	3,200	3,300	18,200
IN.	0.66	0.75	0.58	0.50	1.03	1.30	0.54	0.40	0.34	0.47	0.47	2.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	5,317	4,315	4,654	6,301	8,996	11,810	11,530	7,177	5,273	5,156	6,008	6,025
MAX	21,020	29,380	28,130	21,830	28,370	36,930	49,040	24,020	18,120	13,510	19,810	21,340
(WY)	(1965)	(1948)	(1948)	(1948)	(1991)	(1998)	(1948)	(1973)	(1973)	(1991)	(1945)	(1964)
MIN	1,717	1,666	1,602	1,596	1,668	1,905	2,366	1,908	1,495	1,419	1,380	1,571
(WY)	(2003)	(1991)	(1991)	(2002)	(2002)	(1955)	(1955)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL MEAN	9,212		5,243		6,874	
HIGHEST ANNUAL MEAN					19,260	1948
LOWEST ANNUAL MEAN					1,950	1955
HIGHEST DAILY MEAN	29,600	Mar 21	21,600	Sep 30	82,800	Apr 11, 1948
LOWEST DAILY MEAN	3,440	Feb 6	2,240	Jun 13	1,330	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	3,540	Feb 3	2,260	Jun 8	1,340	Aug 7, 2002
MAXIMUM PEAK FLOW			12,100	Mar 4	83,900	Apr 11, 1948
MAXIMUM PEAK STAGE			14.29	Mar 4	34.07	Apr 11, 1948
INSTANTANEOUS LOW FLOW			2,230	Jun 13	1,320	Aug 9, 2002
ANNUAL RUNOFF (INCHES)	15.87		9.06		11.85	
10 PERCENT EXCEEDS	20,700		11,000		14,300	
50 PERCENT EXCEEDS	6,620		3,800		4,820	
90 PERCENT EXCEEDS	3,980		2,530		2,240	

e Estimated

02320500 SUWANNEE RIVER AT BRANFORD, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.69	8.21	6.69	6.14	6.21	14.14	7.94	5.15	---	4.89	5.17	5.96
2	8.54	8.59	6.67	6.08	6.53	14.19	7.76	5.15	---	5.21	---	5.91
3	8.39	8.87	6.66	6.04	6.87	14.23	7.60	5.23	---	5.43	---	5.84
4	8.23	9.12	6.67	6.00	7.22	14.27	7.44	5.20	---	5.58	---	5.77
5	8.07	9.35	6.64	5.97	7.49	14.27	7.28	5.14	---	5.66	4.85	5.74
6	7.91	9.49	6.55	5.93	7.68	14.24	7.12	5.09	---	5.66	4.75	6.11
7	7.75	9.57	6.44	5.83	7.81	14.12	6.98	5.02	---	5.60	4.61	6.99
8	7.61	9.52	6.37	5.78	7.76	13.91	6.89	4.93	---	5.55	4.44	8.60
9	7.47	9.36	6.30	5.79	7.86	13.66	6.78	4.87	---	5.47	4.32	10.96
10	7.35	9.14	6.30	5.78	8.03	13.39	6.66	4.86	3.71	5.34	4.21	13.11
11	7.29	8.93	6.26	5.72	8.23	13.08	6.56	4.87	3.72	5.32	4.16	14.80
12	7.30	8.75	6.15	5.68	8.41	12.78	6.48	4.89	3.68	5.36	4.22	15.96
13	7.21	8.57	6.10	5.66	8.60	12.49	6.49	4.84	3.67	5.32	4.58	16.87
14	7.20	8.36	6.16	5.65	8.89	12.19	6.36	4.76	3.76	5.19	4.84	17.56
15	7.16	8.17	6.16	5.63	9.27	11.91	6.19	4.69	3.79	5.12	5.22	17.98
16	7.08	8.02	6.23	5.58	9.76	11.70	6.09	4.62	3.83	5.10	5.50	18.34
17	7.03	7.86	6.37	5.54	10.34	11.42	6.01	4.55	3.87	5.07	5.58	18.62
18	6.98	7.71	6.49	5.59	10.88	11.14	5.93	4.48	3.88	5.09	5.61	18.83
19	6.91	7.67	6.58	5.57	11.42	10.87	5.86	4.41	3.92	5.07	5.67	19.02
20	6.82	7.53	6.62	5.49	11.99	10.60	5.79	4.36	3.98	5.12	5.78	19.15
21	6.74	7.36	6.62	5.44	12.59	10.36	5.71	4.32	4.03	5.24	5.86	19.24
22	6.69	7.26	6.64	5.43	13.18	10.11	5.64	4.27	4.07	5.31	5.89	19.26
23	6.62	7.18	6.65	5.41	13.63	9.85	5.55	4.21	4.10	5.39	5.89	19.24
24	6.53	7.13	6.67	5.39	14.00	9.59	5.45	4.15	4.09	5.46	5.95	19.21
25	6.44	7.03	6.60	5.38	14.16	9.36	5.36	4.10	4.08	5.53	6.00	19.14
26	6.34	6.96	6.52	5.40	14.21	9.13	5.29	4.08	4.08	5.48	6.07	19.14
27	6.35	6.91	6.45	5.38	14.16	8.92	5.22	4.04	4.10	5.46	6.13	19.58
28	6.36	6.87	6.40	5.30	14.11	8.71	5.13	3.99	4.16	5.44	6.14	19.84
29	6.53	6.79	6.34	5.45	14.10	8.50	5.07	3.97	4.30	5.40	6.13	20.42
30	6.97	6.71	6.28	5.62	---	8.30	5.12	---	4.56	5.32	6.09	21.12
31	7.69	---	6.21	5.86	---	8.12	---	---	---	5.24	6.03	---
TOTAL	224.25	242.99	199.79	175.51	295.39	359.55	187.75	---	---	165.42	---	448.31
MEAN	7.23	8.10	6.44	5.66	10.19	11.60	6.26	---	---	5.34	---	14.94
MAX	8.69	9.57	6.69	6.14	14.21	14.27	7.94	---	---	5.66	---	21.12
MIN	6.34	6.71	6.10	5.30	6.21	8.12	5.07	---	---	4.89	---	5.74

CAL YR 2003 TOTAL 4,087.65 MEAN 11.20 MAX 24.35 MIN 5.43

02321000 NEW RIVER NEAR LAKE BUTLER, FL

LOCATION.--Lat 29° 59'53", long 82° 16'27", in SW$^1/_4$ sec. 2, T. 6. S., R. 20 E., Union County, Hydrologic Unit 03110206, near right bank on downstream side of bridge on State Highway 100, and 4.4 miles southeast of Lake Butler.

DRAINAGE AREA.--191 mi^2.

PERIOD OF RECORD.--January 1950 to September 1971, June 1973 to May 1977, periodic discharge measurements. October 1990 to September 1991, October 1992 to current year.

REVISED RECORDS.--WRD FLA. 1968 Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 83.8 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	14	5.4	3.5	13	81	8.0	e1.8	0.02	2.8	4.9	57
2	45	13	5.1	3.3	20	70	7.2	e2.6	0.01	2.1	3.6	51
3	32	12	4.7	3.5	20	61	6.7	e2.9	0.01	1.5	2.6	46
4	21	11	4.4	3.5	17	52	6.0	e3.1	0.02	3.0	2.0	40
5	15	11	4.3	3.4	15	45	5.5	e3.1	0.07	2.3	1.5	40
6	9.3	14	4.3	3.5	14	40	e5.2	e2.9	1.4	1.7	1.2	192
7	5.7	17	4.2	3.3	49	35	e5.0	e2.3	8.0	1.8	1.1	1,900
8	14	15	3.8	2.9	68	31	e4.9	e1.8	5.1	2.3	1.2	4,190
9	54	13	3.7	2.8	41	27	e4.7	e1.6	6.7	3.3	1.4	4,560
10	65	11	3.8	3.5	28	24	e4.6	e1.3	13	5.9	1.5	5,170
11	59	11	4.0	3.4	31	22	e4.5	e1.1	7.0	13	1.5	4,220
12	75	10	3.9	3.3	43	21	e4.4	e1.0	3.5	27	2.3	3,000
13	117	9.5	4.0	3.1	45	19	e4.3	e0.93	2.7	27	9.5	2,390
14	155	8.8	5.3	2.8	52	18	e5.4	e0.83	3.9	33	30	1,830
15	150	8.0	6.3	2.9	107	17	e6.3	e0.77	10	22	19	1,400
16	107	7.4	6.0	2.8	119	26	e6.0	e0.69	12	19	13	1,080
17	71	7.0	6.1	2.7	86	35	e5.2	e0.64	5.7	18	9.7	842
18	51	6.3	5.6	3.4	71	35	e4.5	e0.52	3.0	21	33	671
19	40	7.7	5.3	4.1	64	33	e4.0	e0.52	2.3	24	40	533
20	32	9.4	4.8	3.9	57	28	e3.6	e0.74	8.0	21	19	419
21	26	9.2	4.5	3.5	51	25	e3.2	0.62	15	17	13	334
22	22	8.4	4.2	3.3	45	22	e2.9	0.50	5.1	14	16	276
23	19	7.7	4.2	3.2	39	19	e2.7	0.40	5.1	12	21	236
24	17	7.1	4.9	2.9	60	17	e2.5	0.30	5.5	12	20	214
25	16	6.7	4.9	2.8	121	16	e2.3	0.24	4.4	13	21	197
26	16	6.0	4.4	3.2	148	14	e2.1	0.19	3.5	8.7	37	254
27	14	5.8	4.1	13	134	13	e2.0	0.15	3.5	6.8	57	3,100
28	14	5.9	3.8	13	113	12	e1.8	0.10	3.1	5.8	75	3,350
29	16	6.1	3.8	9.9	96	10	e1.6	0.06	2.5	5.6	83	3,180
30	16	5.8	3.8	7.8	---	9.5	e1.5	0.04	2.3	4.3	78	2,700
31	15	---	3.8	7.0	---	8.6	---	0.03	---	5.2	69	---
MEAN	44.0	9.49	4.56	4.36	60.9	28.6	4.29	1.09	4.75	11.5	22.2	1,549
MAX	155	17	6.3	13	148	81	8.0	3.1	15	33	83	5,170
MIN	5.7	5.8	3.7	2.7	13	8.6	1.5	0.03	0.01	1.5	1.1	40
IN.	0.27	0.06	0.03	0.03	0.34	0.17	0.03	0.01	0.03	0.07	0.13	9.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	224	43.6	106	125	264	269	125	92.2	88.4	139	263	278
MAX	1,461	459	781	607	1,836	1,491	1,014	801	587	519	1,166	1,845
(WY)	(1993)	(1970)	(1954)	(1970)	(1998)	(1959)	(1991)	(1959)	(2003)	(1950)	(2003)	(1964)
MIN	1.53	0.37	1.54	3.23	2.80	3.17	2.52	0.05	0.52	1.06	1.32	0.73
(WY)	(1991)	(2000)	(2000)	(2000)	(2001)	(2000)	(1956)	(2000)	(1998)	(1999)	(1999)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL MEAN	352		143		168	
HIGHEST ANNUAL MEAN					457	1970
LOWEST ANNUAL MEAN					9.66	1962
HIGHEST DAILY MEAN	5,660	Aug 24	5,170	Sep 10	10,400	Sep 13, 1964
LOWEST DAILY MEAN	3.6	May 17	0.01	Jun 2	0.00	May 16, 2000
ANNUAL SEVEN-DAY MINIMUM	3.9	Dec 7	0.03	May 29	0.00	May 16, 2000
MAXIMUM PEAK FLOW			5,330	Sep 10	11,400	Sep 12, 1964
MAXIMUM PEAK STAGE			11.67	Sep 10	15.33	Sep 12, 1964
INSTANTANEOUS LOW FLOW			0.01	Jun 2	0.00	May 16, 2000
ANNUAL RUNOFF (INCHES)	25.04		10.21		11.95	
10 PERCENT EXCEEDS	1,030		89		420	
50 PERCENT EXCEEDS	94		7.9		28	
90 PERCENT EXCEEDS	5.7		1.5		2.6	

e Estimated

02321500 SANTA FE RIVER AT WORTHINGTON SPRINGS, FL

LOCATION.--Lat 29°55'18", long 82°25'35", in SE$^1/_4$ sec. 32, T. 6 S., R. 19 E., Alachua County, Hydrologic Unit 03110206, near center of span on downstream side of bridge on State Highway 121, 0.5 mi south of Worthington Springs, 0.8 mi downstream from New River, and 51 mi upstream from mouth.

DRAINAGE AREA.--575 mi^2.

PERIOD OF RECORD.--October 1931 to current year. Published as "near Worthington" prior to October 1965. Monthly discharge only for October 1931, published in WSP 1304.

REVISED RECORDS.--WSP 2105: WDR FL-76-4: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 42.74 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 16, 1939, nonrecording gage at site 0.2 mi downstream at present datum; Jan. 16, 1939 to July 23, 1953, nonrecording gage at present site and datum.

REMARKS.--Records good, except for estimated daily discharges which are fair. Records do not include diversions during periods of high stages from Santa Fe Lake to Lochloosa Creek in St. Johns River Basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	602	84	43	27	53	308	e30	8.7	0.00	7.8	29	115
2	579	78	42	26	105	268	e29	9.6	0.00	9.2	31	111
3	434	74	40	26	110	233	e26	10	0.04	8.1	28	98
4	314	71	39	26	96	205	e24	10	0.19	6.4	25	90
5	238	69	38	25	79	181	e23	9.7	0.65	6.2	20	91
6	187	91	38	25	68	161	e21	7.6	2.0	5.3	35	614
7	158	123	39	24	178	143	e19	6.3	3.5	4.4	218	2,800
8	246	128	38	23	252	127	e19	5.4	4.8	8.0	88	5,850
9	306	120	37	23	204	111	e18	4.6	7.4	16	41	7,570
10	273	103	37	24	168	98	e16	4.0	19	15	29	7,810
11	302	90	38	24	140	e85	15	3.6	18	12	35	7,540
12	362	83	39	24	134	e75	14	3.3	13	46	48	6,420
13	404	77	35	23	130	e70	18	3.0	9.3	62	88	5,190
14	456	70	36	23	144	e67	21	2.8	17	99	223	4,470
15	506	64	40	23	272	e65	20	2.6	21	66	176	3,960
16	489	60	39	23	310	e66	17	2.4	16	50	123	3,430
17	420	56	37	22	287	e68	15	1.9	15	47	83	2,890
18	335	53	36	26	254	e67	13	1.9	13	66	105	2,420
19	268	56	34	32	209	e66	12	2.1	8.8	108	100	2,040
20	220	65	32	33	177	e63	11	1.9	6.3	103	90	1,730
21	184	67	30	30	157	e60	9.7	1.7	5.3	84	80	1,490
22	158	64	29	28	141	e57	9.0	1.5	6.1	61	100	1,290
23	133	59	28	25	126	e53	8.4	1.3	9.1	43	81	1,130
24	115	55	30	24	173	e51	7.7	0.98	7.8	34	104	1,010
25	102	51	32	23	353	e47	7.1	0.74	6.4	30	126	905
26	92	49	31	23	440	e44	6.5	0.51	5.4	29	106	947
27	88	46	30	43	428	e42	6.1	0.29	5.1	28	182	3,920
28	87	45	29	53	399	e38	5.6	0.17	4.4	64	205	6,850
29	92	46	28	46	354	e35	5.2	0.08	4.0	91	160	6,880
30	91	45	27	40	---	e34	6.3	0.01	5.2	43	137	5,710
31	89	---	27	36	---	e31	---	0.00	---	31	125	---
MEAN	269	71.4	34.8	28.2	205	97.4	15.1	3.51	7.79	41.4	97.5	3,179
MAX	602	128	43	53	440	308	30	10	21	108	223	7,810
MIN	87	45	27	22	53	31	5.2	0.00	0.00	4.4	20	90
IN.	0.54	0.14	0.07	0.06	0.38	0.20	0.03	0.01	0.02	0.08	0.20	6.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	509	184	246	359	598	655	419	174	260	318	602	726
MAX	3,043	1,788	1,801	1,607	4,161	3,303	1,927	1,716	3,646	1,459	2,137	4,033
(WY)	(1993)	(1948)	(1954)	(1970)	(1998)	(1959)	(1973)	(1959)	(1934)	(1946)	(1978)	(1964)
MIN	4.00	2.98	4.00	5.12	5.44	13.7	6.41	0.47	2.30	9.05	9.86	10.3
(WY)	(1932)	(1932)	(1932)	(1932)	(1932)	(2000)	(1935)	(2001)	(2002)	(1981)	(1954)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL MEAN	648		333		420	
HIGHEST ANNUAL MEAN					1,163	1948
LOWEST ANNUAL MEAN					33.2	2000
HIGHEST DAILY MEAN	5,440	Mar 11	7,810	Sep 10	19,000	Sep 13, 1964
LOWEST DAILY MEAN	13	Jun 1	0.00	May 31	0.00	May 20, 2000
ANNUAL SEVEN-DAY MINIMUM	17	May 28	0.04	May 28	0.00	May 30, 2000
MAXIMUM PEAK FLOW			7,900	Sep 10	20,000	Sep 13, 1964
MAXIMUM PEAK STAGE			22.06	Sep 10	28.40	Sep 13, 1964
INSTANTANEOUS LOW FLOW			0.00	May 30	0.00	May 19, 2000
ANNUAL RUNOFF (INCHES)	15.31		7.88		9.92	
10 PERCENT EXCEEDS	1,860		373		1,100	
50 PERCENT EXCEEDS	335		44		131	
90 PERCENT EXCEEDS	34		5.2		15	

e Estimated

02321500 SANTA FE RIVER AT WORTHINGTON SPRINGS, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.63	9.18	8.40	7.98	8.59	11.94	---	7.52	6.92	7.51	8.03	9.68
2	13.50	9.08	8.36	7.96	9.53	11.54	---	7.55	6.90	7.58	8.09	9.62
3	12.53	9.01	8.31	7.95	9.60	11.18	---	7.59	6.91	7.53	8.00	9.41
4	11.62	8.95	8.29	7.94	9.38	10.87	---	7.60	7.00	7.44	7.92	9.29
5	10.96	8.92	8.27	7.93	9.11	10.58	---	7.57	7.05	7.44	7.79	9.29
6	10.46	9.29	8.28	7.92	8.90	10.33	---	7.48	7.17	7.39	8.02	13.81
7	10.16	9.79	8.29	7.89	10.46	10.11	---	7.41	7.27	7.33	10.98	18.29
8	11.01	9.86	8.28	7.87	11.37	9.89	---	7.37	7.36	7.52	9.23	20.85
9	11.56	9.75	8.26	7.86	10.83	9.65	---	7.32	7.49	7.83	8.35	21.87
10	11.27	9.49	8.26	7.89	10.39	9.45	---	7.29	7.94	7.80	8.05	22.00
11	11.53	9.29	8.28	7.89	10.04	---	7.71	7.27	7.90	7.70	8.17	21.85
12	12.00	9.16	8.29	7.90	9.95	---	7.71	7.25	7.72	8.59	8.51	21.22
13	12.33	9.06	8.19	7.88	9.90	---	7.83	7.23	7.58	8.93	9.18	20.43
14	12.69	8.93	8.23	7.88	10.08	---	7.92	7.22	7.85	9.55	11.05	19.91
15	13.04	8.83	8.31	7.88	11.56	---	7.89	7.20	7.99	8.99	10.49	19.50
16	12.92	8.75	8.30	7.86	11.95	---	7.80	7.18	7.84	8.66	9.79	19.04
17	12.44	8.68	8.26	7.85	11.73	---	7.73	7.16	7.80	8.58	9.17	18.51
18	11.80	8.61	8.21	7.97	11.38	---	7.68	7.16	7.73	8.95	9.52	17.99
19	11.24	8.66	8.16	8.13	10.89	---	7.62	7.18	7.56	9.65	9.45	17.52
20	10.80	8.85	8.11	8.14	10.52	---	7.58	7.16	7.44	9.56	9.29	17.09
21	10.45	8.88	8.06	8.07	10.27	---	7.54	7.14	7.39	9.24	9.11	16.72
22	10.17	8.82	8.03	8.00	10.05	---	7.51	7.12	7.42	8.82	9.45	16.37
23	9.91	8.73	8.02	7.94	9.84	---	7.49	7.10	7.57	8.44	9.14	16.04
24	9.68	8.64	8.07	7.89	10.45	---	7.46	7.08	7.51	8.22	9.50	15.72
25	9.48	8.57	8.11	7.86	12.34	---	7.43	7.06	7.45	8.09	9.84	15.41
26	9.32	8.51	8.10	7.86	13.11	---	7.40	7.04	7.40	8.06	9.55	15.46
27	9.26	8.46	8.06	8.39	13.01	---	7.38	7.02	7.37	8.00	10.54	19.39
28	9.24	8.43	8.03	8.61	12.77	---	7.36	7.00	7.34	8.75	10.84	21.46
29	9.32	8.44	8.00	8.45	12.37	---	7.34	6.98	7.31	9.28	10.30	21.49
30	9.31	8.43	7.98	8.32	---	---	7.39	6.96	7.38	8.37	9.99	20.77
31	9.26	---	7.98	8.22	---	---	---	6.95	---	8.08	9.82	---
TOTAL	342.89	268.05	253.78	248.18	310.37	---	---	224.16	223.56	257.88	287.16	516.00
MEAN	11.06	8.93	8.19	8.01	10.70	---	---	7.23	7.45	8.32	9.26	17.20
MAX	13.63	9.86	8.40	8.61	13.11	---	---	7.60	7.99	9.65	11.05	22.00
MIN	9.24	8.43	7.98	7.85	8.59	---	---	6.95	6.90	7.33	7.79	9.29

CAL YR 2003 TOTAL 4,364.80 MEAN 11.96 MAX 20.00 MIN 7.59

02322049 BAD DOG RUN NEAR ALACHUA, FL

LOCATION.--Lat 29° 49'32", long 82° 28'06", in NE $^1/_4$ sec. 1, T.8S., R.18E., Alachua County, Hydrologic Unit 03110206, at upstream side of culvert at County Road 239, and 2.6 mi northeast of Alachua.

DRAINAGE AREA.--0.49 mi^2.

PERIOD OF RECORD.--October 1995 to September 1996, October 1996 to September 1997 (fragmentary), October 1997 to current year.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records poor. Continuous discharge data for water years 1996-2003 are published in Appendix at end of this report.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	2.8
7	2.3	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	20
8	8.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11
9	3.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.7
10	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
11	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	5.2	0.00	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	3.1	0.00	0.00	0.00	3.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.28	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00	11
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.5
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.82
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	1.02	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	2.37
MAX	8.9	0.00	0.00	0.00	4.4	0.00	0.00	0.00	0.00	0.05	0.00	20
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	0.14	0.00	0.04	0.02	0.45	0.29	0.03	0.00	0.13	0.19	0.07	0.28
MAX	1.02	0.01	0.25	0.15	1.93	1.81	0.18	0.00	0.80	1.49	0.60	2.37
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(1997)	(1996)	(2003)	(1996)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(2000)	(1996)	(1996)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL MEAN	0.52		0.31		0.14	
HIGHEST ANNUAL MEAN					0.46	2003
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	14	Mar 1	20	Sep 7	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 3	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 3	0.00	Oct 17	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			105	Sep 26	176	Jul 6, 1996
MAXIMUM PEAK STAGE			15.75	Sep 26	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	1.5		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

02322500 SANTA FE RIVER NEAR FORT WHITE, FL

LOCATION.--Lat 29°50'55", long 82°42'55", in SE$^1/_4$ sec. 28, T. 7 S., R. 16 E., Gilchrist County, Hydrologic Unit 03110206, on left bank 2.1 mi upstream from bridge on State Highway 47, 5.1 mi south of Fort White, and 18 mi upstream from mouth.

DRAINAGE AREA.--1,017 mi^2.

PERIOD OF RECORD.--October 1927 to January 1930, June 1932 to current year.

REVISED RECORDS.--WDR FL-75-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 20.86 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 3, 1932, nonrecording gage at several sites within 200 ft of present site at various datums. Oct. 1, 1947 to Feb. 10, 1949, auxiliary nonrecording gage and since Feb. 11, 1949, auxiliary water-stage recorder at bridge on U.S. Highway 129, 16 mi downstream from base gage at datum 3.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	1,060	921	853	862	1,120	874	802	734	739	798	973
2	1,360	1,060	895	849	854	1,120	869	798	734	725	805	973
3	1,360	1,060	895	844	853	1,120	865	793	732	724	794	976
4	1,360	1,050	895	844	853	1,120	861	793	726	730	786	981
5	1,320	1,040	895	844	853	1,110	854	792	725	721	780	1,020
6	1,290	1,030	889	844	866	1,100	844	784	717	716	803	1,290
7	1,270	1,020	886	844	894	1,090	844	784	716	718	832	e2,470
8	1,240	1,020	882	844	864	1,070	844	784	728	721	826	3,670
9	1,240	1,020	878	844	864	1,050	844	783	745	716	831	5,540
10	1,240	1,010	878	844	870	1,040	832	780	734	716	831	7,960
11	1,250	1,010	878	839	878	1,020	827	771	734	713	831	9,160
12	1,250	1,010	875	836	878	1,010	827	768	734	708	838	9,410
13	1,270	1,010	870	836	878	1,000	827	768	739	708	871	9,230
14	1,280	998	875	836	905	990	827	766	842	708	863	8,580
15	1,280	997	870	836	929	984	823	759	840	715	869	7,510
16	1,280	989	870	836	921	991	818	759	791	741	879	6,770
17	1,290	988	870	836	929	983	818	759	764	763	887	6,170
18	1,290	984	864	841	940	980	818	757	750	774	891	5,690
19	1,270	980	861	836	954	980	815	750	746	e785	883	5,240
20	1,230	974	861	836	955	980	810	746	742	e807	883	4,850
21	1,230	971	861	836	955	980	810	742	742	e824	904	4,530
22	1,220	963	861	836	945	980	810	742	743	844	924	4,280
23	1,190	963	861	836	938	976	810	742	746	842	918	4,050
24	1,170	963	861	831	993	972	810	742	738	824	921	3,840
25	1,140	957	861	827	1,020	960	807	736	734	815	926	3,650
26	1,120	954	857	836	1,040	954	798	734	730	805	937	3,580
27	1,120	954	853	847	1,050	934	793	734	725	801	946	3,980
28	1,110	954	853	836	1,080	907	793	734	725	800	956	4,160
29	1,100	941	853	836	1,100	895	793	734	723	798	972	4,870
30	1,080	937	853	836	---	883	803	734	716	799	971	6,220
31	1,070	---	853	836	---	878	---	734	---	796	974	---
MEAN	1,234	996	872	839	928	1,006	826	761	743	761	875	4,721
MAX	1,360	1,060	921	853	1,100	1,120	874	802	842	844	974	9,410
MIN	1,070	937	853	827	853	878	793	734	716	708	780	973
IN.	1.40	1.09	0.99	0.95	0.98	1.14	0.91	0.86	0.82	0.86	0.99	5.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2004, BY WATER YEAR (WY)

MEAN	1,757	1,366	1,259	1,378	1,580	1,827	1,691	1,378	1,298	1,368	1,654	1,932
MAX	4,357	3,840	2,778	3,415	5,616	7,135	4,668	3,409	4,063	2,728	3,545	6,344
(WY)	(1993)	(1948)	(1965)	(1942)	(1998)	(1998)	(1948)	(1959)	(1959)	(1972)	(1928)	(1964)
MIN	730	636	543	496	480	537	564	500	495	544	543	628
(WY)	(1956)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1928 - 2004	
ANNUAL MEAN	1,474		1,208		1,539	
HIGHEST ANNUAL MEAN					3,112	1948
LOWEST ANNUAL MEAN					589	2002
HIGHEST DAILY MEAN	4,780	Mar 14	9,410	Sep 12	16,900	Sep 16, 1964
LOWEST DAILY MEAN	759	Feb 6	708	Jul 12	446	Jun 4, 2002
ANNUAL SEVEN-DAY MINIMUM	779	Feb 1	712	Jul 9	456	May 29, 2002
MAXIMUM PEAK FLOW			9,430	Sep 12	17,000	Sep 16, 1964
MAXIMUM PEAK STAGE			9.59	Sep 12	15.34	Sep 16, 1964
INSTANTANEOUS LOW FLOW			708	Jul 11	440	Jun 2, 2002
ANNUAL RUNOFF (INCHES)	19.68		16.18		20.56	
10 PERCENT EXCEEDS	2,260		1,270		2,550	
50 PERCENT EXCEEDS	1,290		864		1,260	
90 PERCENT EXCEEDS	872		734		827	

e Estimated

02322685 ICHETUCKNEE HEAD SPRING NEAR HILDRETH, FL

LOCATION.--Lat 29° 59'02", long 82° 45'43", in NE$^1/_4$ sec.12, T.6 S., R.15 E., Suwannee County, Hydrologic Unit 03110206, on the north bank at head of Ichetucknee River in Ichetucknee Springs State Park, 3.3 mi upstream from bridge on U.S. Highway 27, 3.4 mi northeast of Hildreth, and 5.0 mi northwest of Fort White.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.76 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 3.3 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height, 2.73 ft, Sept. 30, stage rising (backwater from Ichetucknee River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	42	42	41	40	41	42	42	41	40	39	40
2	43	42	42	41	40	41	42	42	41	40	39	40
3	43	42	42	41	40	41	42	42	41	40	39	40
4	42	42	42	41	40	41	42	42	41	40	39	40
5	43	42	42	41	40	41	42	42	41	40	39	40
6	43	42	42	41	41	41	42	42	41	40	39	44
7	43	42	42	41	40	42	42	42	41	40	39	46
8	43	42	41	41	40	42	42	42	41	40	39	48
9	43	42	41	41	40	42	42	42	41	40	39	50
10	43	42	42	41	40	42	42	42	41	40	39	51
11	43	42	42	41	41	42	42	42	41	40	39	50
12	43	42	41	40	41	42	42	42	41	40	39	48
13	43	42	41	40	40	42	43	42	41	40	40	47
14	43	42	42	40	41	42	42	42	41	40	39	47
15	43	42	41	40	41	42	42	42	41	40	39	49
16	43	42	41	40	40	42	42	42	41	40	39	51
17	43	42	41	40	40	42	42	42	41	40	40	52
18	43	42	41	41	40	42	42	42	41	40	40	54
19	43	42	41	40	40	42	42	42	41	40	40	55
20	43	42	41	40	41	42	42	42	41	40	40	57
21	43	42	41	40	41	42	43	42	41	40	40	58
22	43	42	41	40	41	42	43	42	41	40	40	58
23	43	42	41	40	41	42	42	42	41	40	40	57
24	43	42	41	40	41	42	42	42	41	40	40	57
25	42	42	41	40	41	42	42	42	41	39	40	57
26	42	42	41	40	41	42	42	42	41	39	40	57
27	43	42	41	40	41	42	42	42	41	39	40	56
28	43	42	41	40	41	42	42	42	41	39	40	54
29	43	42	41	40	41	42	42	42	40	39	40	52
30	42	42	41	40	---	42	43	41	40	39	40	48
31	42	---	41	40	---	42	---	41	---	39	40	---
TOTAL	1,327	1,260	1,281	1,252	1,175	1,296	1,264	1,300	1,228	1,233	1,225	1,503
MEAN	42.8	42.0	41.3	40.4	40.5	41.8	42.1	41.9	40.9	39.8	39.5	50.1
MAX	43	42	42	41	41	42	43	42	41	40	40	58
MIN	42	42	41	40	40	41	42	41	40	39	39	40
MED	43	42	41	40	41	42	42	42	41	40	40	50
AC-FT	2,630	2,500	2,540	2,480	2,330	2,570	2,510	2,580	2,440	2,450	2,430	2,980

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	32.9	32.5	32.5	32.9	34.1	34.8	35.3	35.0	34.2	33.7	33.9	38.5
MAX	42.8	42.0	41.3	40.4	40.5	41.8	42.1	41.9	40.9	39.8	40.1	50.1
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	22.9	23.0	23.7	25.5	27.5	21.5	22.8	22.3	21.7	21.8	22.0	22.4
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	14,144		15,344			
ANNUAL MEAN	38.8		41.9		38.0	
HIGHEST ANNUAL MEAN					41.9	2004
LOWEST ANNUAL MEAN					34.0	2003
HIGHEST DAILY MEAN	54	Mar 22	58	Sep 21	58	Sep 21, 2004
LOWEST DAILY MEAN	24	Jan 1	39	Jul 25	20	Feb 7, 2002
ANNUAL SEVEN-DAY MINIMUM	24	Jan 1	39	Jul 25	20	Feb 7, 2002
MAXIMUM PEAK FLOW			60	Sep 26	60	Sep 26, 2004
MAXIMUM PEAK STAGE			2.34	Sep 26	2.84	Mar 22, 2003
INSTANTANEOUS LOW FLOW			39	Jul 11	20	Feb 6, 2002
ANNUAL RUNOFF (AC-FT)	28,050		30,430		27,510	
10 PERCENT EXCEEDS	43		43		43	
50 PERCENT EXCEEDS	40		41		40	
90 PERCENT EXCEEDS	27		40		24	

02322687 CEDAR HEAD SPRING NEAR HILDRETH, FL

LOCATION.--Lat 29° 58'59", long 82° 45'32", in NW$^1/_4$ sec.7, T.6 S., R.16 E., Columbia County, Hydrologic Unit 03110206, on right bank of pool in Ichetucknee Springs State Park, about 1,000 ft upstream from Blue Hole Spring, 3.2 mi upstream from bridge on U.S. Highway 27, and 3.4 mi northeast of Hildreth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--1975 (miscellaneous discharge measurement), February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 13.84 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 3.2 mi downstream from base gage, at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height, 10.63 ft, Sept. 30, stage rising (backwater from Ichetucknee River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.3	9.1	8.5	7.9	7.5	7.6	7.6	7.4	7.2	7.0	7.1	7.5
2	9.3	9.1	8.4	7.9	7.4	7.6	7.6	7.4	7.2	7.0	7.2	7.5
3	9.3	9.1	8.3	7.9	7.3	7.7	7.6	7.4	7.2	6.9	7.2	7.5
4	9.3	9.2	8.4	7.9	7.3	7.7	7.6	7.3	7.2	6.9	7.2	7.5
5	9.3	9.2	8.4	7.9	7.3	7.8	7.5	7.3	7.2	6.9	7.2	7.8
6	9.3	9.1	8.3	7.9	7.4	7.7	7.5	7.3	7.2	6.9	7.2	9.1
7	9.4	9.1	8.3	7.8	7.4	7.8	7.5	7.3	7.1	6.9	7.2	9.8
8	9.4	9.1	8.2	7.9	7.3	7.7	7.5	7.3	7.1	7.0	7.2	10
9	9.4	9.0	8.3	7.9	7.4	7.8	7.5	7.3	7.1	6.9	7.2	11
10	9.4	9.0	8.4	7.8	7.4	7.7	7.4	7.3	7.1	6.9	7.2	11
11	9.4	9.0	8.4	7.7	7.5	7.6	7.4	7.3	7.1	6.8	7.2	11
12	9.5	8.9	8.3	7.7	7.5	7.7	7.4	7.3	7.1	6.8	7.3	10
13	9.4	8.9	8.3	7.7	7.4	7.7	7.5	7.3	7.1	6.8	7.4	9.3
14	9.4	8.8	8.4	7.7	7.4	7.7	7.4	7.3	7.2	6.8	7.3	9.1
15	9.3	8.8	8.2	7.7	7.5	7.8	7.3	7.3	7.1	6.8	7.3	9.3
16	9.3	8.8	8.2	7.6	7.4	7.9	7.3	7.3	7.1	6.8	7.3	9.7
17	9.3	8.7	8.3	7.6	7.3	7.8	7.3	7.3	7.1	6.9	7.4	9.9
18	9.3	8.8	8.2	7.6	7.3	7.8	7.3	7.3	7.1	7.1	7.4	10
19	9.3	8.9	8.2	7.6	7.3	7.8	7.3	7.3	7.1	7.2	7.4	10
20	9.3	8.7	8.1	7.5	7.4	7.8	7.3	7.3	7.1	7.2	7.4	10
21	9.3	8.7	8.1	7.4	7.4	7.8	7.3	7.3	7.1	7.2	7.4	11
22	9.2	8.6	8.1	7.4	7.3	7.7	7.3	7.3	7.1	7.2	7.5	11
23	9.2	8.6	8.1	7.4	7.4	7.7	7.3	7.4	7.1	7.2	7.5	11
24	9.1	8.6	8.2	7.4	7.6	7.7	7.3	7.4	7.1	7.2	7.5	11
25	9.1	8.6	8.1	7.4	7.6	7.7	7.3	7.3	7.1	7.2	7.5	12
26	9.1	8.6	8.0	7.5	7.6	7.7	7.3	7.3	7.0	7.2	7.5	12
27	9.2	8.5	8.0	7.5	7.5	7.7	7.3	7.3	7.0	7.2	7.5	12
28	9.3	8.5	8.0	7.4	7.5	7.7	7.3	7.3	7.0	7.2	7.5	12
29	9.2	8.5	8.0	7.4	7.5	7.6	7.3	7.3	7.0	7.2	7.5	11
30	9.1	8.5	8.0	7.4	---	7.6	7.4	7.3	7.0	7.2	7.5	9.9
31	9.1	---	8.0	7.4	---	7.6	---	7.3	---	7.1	7.5	---
TOTAL	287.8	265.0	254.7	236.8	215.1	239.2	221.9	226.8	213.2	217.6	227.7	299.9
MEAN	9.28	8.83	8.22	7.64	7.42	7.72	7.40	7.32	7.11	7.02	7.35	10.0
MAX	9.5	9.2	8.5	7.9	7.6	7.9	7.6	7.4	7.2	7.2	7.5	12
MIN	9.1	8.5	8.0	7.4	7.3	7.6	7.3	7.3	7.0	6.8	7.1	7.5
MED	9.3	8.8	8.2	7.6	7.4	7.7	7.3	7.3	7.1	7.0	7.4	10
AC-FT	571	526	505	470	427	474	440	450	423	432	452	595

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	6.28	6.03	5.81	5.82	5.93	7.33	6.87	6.16	6.02	6.09	6.28	7.48
MAX	9.28	8.83	8.22	7.64	7.42	10.7	9.68	8.00	8.02	8.42	8.65	10.0
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	3.28	3.23	3.41	4.00	4.38	3.53	3.53	3.16	2.92	2.83	2.85	3.21
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	2,972.0		2,905.7			
ANNUAL MEAN	8.14		7.94		7.35	
HIGHEST ANNUAL MEAN					7.94	2004
LOWEST ANNUAL MEAN					6.76	2003
HIGHEST DAILY MEAN	17	Mar 21	12	Sep 25	17	Mar 21, 2003
LOWEST DAILY MEAN	3.7	Jan 2	6.8	Jul 11	2.7	Jul 19, 2002
ANNUAL SEVEN-DAY MINIMUM	3.8	Jan 1	6.8	Jul 10	2.8	Jul 14, 2002
MAXIMUM PEAK FLOW			14	Sep 26	18	Mar 22, 2003
MAXIMUM PEAK STAGE			10.36	Sep 26	10.69	Mar 22, 2003
INSTANTANEOUS LOW FLOW			6.7	Jul 11	2.7	Jul 18, 2002
ANNUAL RUNOFF (AC-FT)	5,890		5,760		5,330	
10 PERCENT EXCEEDS	9.3		9.3		9.3	
50 PERCENT EXCEEDS	8.4		7.5		7.6	
90 PERCENT EXCEEDS	4.2		7.1		3.4	

02322688 BLUE HOLE SPRING NEAR HILDRETH, FL

LOCATION.--Lat 29°58'47", long 82°45'31", in NW$^1/_4$ sec.7, T.6 S., R.16 E., Columbia County, Hydrologic Unit 03110206, on north side of spring pool in Ichetucknee Springs State Park, 300 ft upstream from Ichetucknee River, 1,000 ft downstream from Cedar Head Spring, 0.4 mi southeast of Ichetucknee Head Spring, 2.9 mi upstream from bridge on U.S. Highway 27, and 3.3 mi east of Hildreth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--1975 (miscellaneous discharge measurement), February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.31 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 2.9 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Maximum gage height, 3.95 ft, Sept. 30, stage rising, (backwater from Ichetucknee River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e137	e130	e129	126	124	123	128	128	126	122	119	123
2	e137	e130	129	126	124	124	128	128	126	122	119	123
3	e137	e130	e129	126	124	124	128	128	126	122	119	124
4	e136	130	e129	126	123	124	128	128	126	122	119	124
5	e136	130	e129	127	123	125	128	128	126	121	119	126
6	e135	130	e129	126	124	125	127	128	126	121	119	134
7	e135	e130	e129	125	124	126	128	128	126	121	119	138
8	e135	130	e129	126	123	126	128	128	125	121	119	142
9	e135	e130	e129	126	123	126	128	128	125	121	119	146
10	e135	e130	e130	125	123	127	128	128	126	121	119	145
11	e135	e130	e129	125	124	127	128	128	125	121	119	142
12	e135	e131	e129	125	124	127	128	128	125	121	120	141
13	e134	e130	e129	125	123	127	128	128	125	121	121	143
14	e134	e130	e130	125	123	127	128	127	125	121	121	145
15	e133	e130	e129	125	123	128	127	127	125	120	121	147
16	e133	e130	e129	125	122	129	127	128	125	121	121	150
17	e133	e130	e128	125	122	129	127	127	125	121	122	151
18	e133	e130	e127	125	122	128	127	127	125	121	122	152
19	e132	e131	e128	125	122	128	127	127	125	121	122	152
20	e132	e130	127	124	123	128	127	127	125	121	122	153
21	e131	e130	e127	124	123	128	128	127	124	121	122	154
22	e132	e130	e127	124	123	128	128	128	124	121	123	154
23	e131	e130	e127	123	123	128	128	128	124	121	123	154
24	e131	e131	e128	124	125	127	128	128	124	121	123	155
25	e131	e131	127	124	124	128	127	128	124	120	123	155
26	e131	e130	127	124	123	128	128	128	124	120	124	158
27	e131	e130	127	124	123	128	127	128	123	120	124	159
28	e131	e130	127	123	123	128	127	128	123	120	124	160
29	e131	e129	127	124	123	128	127	127	123	120	124	158
30	e130	e129	127	124	---	128	128	127	122	120	124	153
31	e130	---	127	124	---	128	---	127	---	119	123	---
TOTAL	4,132	3,902	3,974	3,870	3,573	3,935	3,829	3,958	3,743	3,746	3,758	4,361
MEAN	133	130	128	125	123	127	128	128	125	121	121	145
MAX	137	131	130	127	125	129	128	128	126	122	124	160
MIN	130	129	127	123	122	123	127	127	122	119	119	123
MED	133	130	129	125	123	128	128	128	125	121	121	148
AC-FT	8,200	7,740	7,880	7,680	7,090	7,810	7,590	7,850	7,420	7,430	7,450	8,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	101	100	100	102	104	115	114	109	106	106	105	116
MAX	133	130	128	125	123	135	130	128	125	126	128	145
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2004)	(2003)	(2003)	(2004)
MIN	68.8	70.6	72.8	79.1	83.9	83.2	83.3	79.6	73.6	69.7	66.0	67.7
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	44,164		46,781			
ANNUAL MEAN	121		128		117	
HIGHEST ANNUAL MEAN					128	2004
LOWEST ANNUAL MEAN					106	2003
HIGHEST DAILY MEAN	185	Mar 22	160	Sep 28	185	Mar 22, 2003
LOWEST DAILY MEAN	76	Jan 1	119	Jul 31	65	Aug 8, 2002
ANNUAL SEVEN-DAY MINIMUM	76	Jan 1	119	Jul 31	65	Aug 6, 2002
MAXIMUM PEAK FLOW			166	Sep 26	185	Mar 22, 2003
MAXIMUM PEAK STAGE			3.46	Sep 26	4.16	Mar 22, 2003
INSTANTANEOUS LOW FLOW			118	Aug 2	66	Aug 10, 2002
ANNUAL RUNOFF (AC-FT)	87,600		92,790		84,680	
10 PERCENT EXCEEDS	136		134		135	
50 PERCENT EXCEEDS	127		127		124	
90 PERCENT EXCEEDS	82		121		72	

e Estimated

02322691 MISSION SPRINGS COMPLEX NEAR HILDRETH, FL

LOCATION.--Lat 29° 58'33", long 82° 45'30", in SE$^1/_4$ sec.7, T.6 S., R.16 E., Columbia County, Hydrologic Unit 03110206, on left bank in Ichetucknee Springs State Park about 250 ft east of the Ichetucknee River, 1,500 ft downstream from Blue Hole Spring, 1.7 mi downstream from Ichetucknee Head Spring, 2.6 mi upstream from bridge on U.S. Highway 27, and 3.3 mi northeast of Hildreth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--1946 (miscellaneous discharge measurement), February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is .51 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 2.6 mi downstream from base gage, at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. No independent peak this water year. Maximum discharge, 136 ft^3/s, Sept. 26, and maximum gage height, 23.48 ft, Sept. 30, stage rising (backwater from Ichetucknee River), peak occurred Oct. 12-13, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	109	104	100	99	98	99	95	88	86	86	88
2	111	109	104	100	98	99	99	95	88	86	86	88
3	111	109	104	100	98	99	99	94	88	86	86	89
4	111	109	105	101	98	99	99	94	88	86	86	89
5	111	109	104	101	98	100	98	94	88	86	86	90
6	112	109	103	100	99	100	98	94	88	86	87	97
7	111	108	103	99	98	100	99	93	88	86	86	100
8	111	108	103	99	97	99	99	93	88	86	86	104
9	111	108	104	100	98	100	99	92	88	86	86	110
10	111	108	104	99	98	99	98	92	88	86	86	110
11	111	108	103	98	98	99	98	92	88	86	86	108
12	111	108	102	98	98	100	98	91	88	86	87	107
13	111	107	103	98	97	100	98	91	88	86	87	107
14	111	107	103	99	98	100	97	90	88	86	87	110
15	110	107	102	99	97	100	97	90	87	85	87	114
16	110	107	102	98	97	101	97	90	87	86	87	117
17	110	107	102	99	97	100	97	89	87	86	87	119
18	110	107	101	99	97	100	97	89	88	86	88	120
19	110	107	101	99	97	100	97	88	88	86	88	121
20	110	106	101	98	97	100	97	88	87	86	88	122
21	110	106	101	98	98	100	98	88	87	86	88	123
22	110	106	101	98	97	99	98	89	87	87	88	124
23	110	106	101	98	97	99	97	89	87	87	88	125
24	109	106	102	98	98	99	97	89	87	87	88	126
25	110	105	101	99	98	100	97	89	87	86	89	127
26	109	105	101	99	97	100	97	89	87	86	89	129
27	110	106	100	99	97	99	97	89	87	86	89	129
28	110	106	101	98	97	99	96	89	86	86	89	129
29	109	105	101	98	97	99	96	88	86	86	89	126
30	108	104	101	98	---	99	96	88	86	86	89	121
31	109	---	100	98	---	100	---	88	---	86	89	---
TOTAL	3,419	3,212	3,168	3,065	2,830	3,086	2,929	2,809	2,623	2,668	2,708	3,369
MEAN	110	107	102	98.9	97.6	99.5	97.6	90.6	87.4	86.1	87.4	112
MAX	112	109	105	101	99	101	99	95	88	87	89	129
MIN	108	104	100	98	97	98	96	88	86	85	86	88
MED	110	107	102	99	98	100	98	90	88	86	87	115
AC-FT	6,780	6,370	6,280	6,080	5,610	6,120	5,810	5,570	5,200	5,290	5,370	6,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	90.9	88.7	86.3	86.0	87.1	96.4	90.1	79.7	78.4	82.8	87.4	98.9
MAX	110	107	102	98.9	97.6	129	118	101	100	105	108	112
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	71.5	70.3	70.4	73.2	76.1	60.8	55.0	47.5	47.6	57.6	66.7	72.0
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	37,820		35,886			
ANNUAL MEAN	104		98.0		96.3	
HIGHEST ANNUAL MEAN					98.0	2004
LOWEST ANNUAL MEAN					94.6	2003
HIGHEST DAILY MEAN	181	Mar 22	129	Sep 26	181	Mar 22, 2003
LOWEST DAILY MEAN	72	Jan 1	85	Jul 15	43	Jun 3, 2002
ANNUAL SEVEN-DAY MINIMUM	72	Jan 1	86	Jul 9	44	May 28, 2002
MAXIMUM PEAK FLOW			136	Sep 26	182	Mar 22, 2003
MAXIMUM PEAK STAGE			23.48	Sep 30	23.91	Mar 22, 2003
INSTANTANEOUS LOW FLOW			84	Jul 14	42	Jun 4, 2002
ANNUAL RUNOFF (AC-FT)	75,020		71,180		69,790	
10 PERCENT EXCEEDS	113		110		111	
50 PERCENT EXCEEDS	104		98		99	
90 PERCENT EXCEEDS	75		86		71	

02322694 DEVIL'S EYE SPRING NEAR HILDRETH, FL

LOCATION.--Lat 29°58'24", long 82°45'37", in SW$^1/_4$ sec.7, T.6 S., R.16 E., Suwannee County, Hydrologic Unit 03110206, on right bank in Ichetucknee Springs State Park, about 150 ft upstream of the west bank of the Ichetucknee River, 0.9 mi downstream from Ichetucknee Head Spring, 2.4 mi upstream from bridge on U.S. Highway 27, and 3.1 mi northeast of Hildreth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 12.50 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 27, 2.4 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Maximum discharge, 69 ft^3/s, Sept. 26, and maximum gage height, 11.34 ft, Sept. 30, stage rising (backwater from Ichetucknee River), peak occurred Oct. 13, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	55	50	47	46	46	47	47	47	46	45	42
2	55	54	50	47	45	46	47	47	47	46	45	42
3	55	55	50	47	45	46	47	47	47	46	45	42
4	55	55	50	47	45	47	47	47	47	46	45	42
5	55	54	50	47	45	47	47	47	47	46	45	43
6	56	54	49	47	46	47	47	47	47	46	45	47
7	56	54	49	47	46	47	47	47	47	46	44	49
8	55	54	49	47	45	47	48	47	47	46	44	51
9	55	54	49	47	45	47	47	47	47	46	44	53
10	55	54	49	46	45	47	47	47	47	46	44	54
11	56	54	49	46	46	47	47	47	47	45	44	52
12	55	54	48	46	45	47	48	47	47	46	44	52
13	55	53	48	46	45	47	48	47	47	46	44	53
14	55	53	48	46	45	47	47	47	47	46	44	54
15	55	53	48	46	45	47	47	47	46	46	44	55
16	55	53	48	46	45	48	47	47	46	46	44	57
17	55	53	48	46	45	47	47	47	46	46	44	58
18	55	53	48	46	45	47	47	47	46	46	44	59
19	55	53	47	46	45	47	47	47	46	46	44	60
20	55	52	47	46	45	47	48	47	46	46	43	61
21	55	52	47	46	45	48	48	47	46	46	43	62
22	55	52	47	46	45	47	48	47	46	46	43	63
23	55	52	47	46	45	47	48	47	46	46	43	64
24	55	52	48	46	46	47	48	47	46	46	43	65
25	55	52	47	46	46	47	47	47	46	46	43	66
26	55	51	47	46	46	47	48	47	46	46	43	67
27	55	51	47	46	46	47	47	47	46	46	43	67
28	55	51	47	46	46	47	47	47	46	46	43	68
29	55	51	47	46	46	47	47	47	46	46	42	67
30	55	51	47	46	---	48	47	47	46	45	42	64
31	55	---	47	46	---	48	---	47	---	45	42	---
TOTAL	1,708	1,589	1,492	1,435	1,315	1,458	1,419	1,457	1,394	1,423	1,355	1,679
MEAN	55.1	53.0	48.1	46.3	45.3	47.0	47.3	47.0	46.5	45.9	43.7	56.0
MAX	56	55	50	47	46	48	48	47	47	46	45	68
MIN	55	51	47	46	45	46	47	47	46	45	42	42
MED	55	53	48	46	45	47	47	47	46	46	44	56
AC-FT	3,390	3,150	2,960	2,850	2,610	2,890	2,810	2,890	2,760	2,820	2,690	3,330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	48.4	47.4	44.9	44.7	45.1	52.8	47.7	46.2	46.1	46.6	45.8	50.7
MAX	55.1	53.0	48.1	46.3	45.3	73.2	57.4	52.7	52.5	53.9	53.7	56.0
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	41.7	41.8	41.6	43.0	44.9	38.2	38.4	38.9	39.4	40.0	40.0	41.2
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	19,565		17,724			
ANNUAL MEAN	53.6		48.4		49.7	
HIGHEST ANNUAL MEAN					51.0	2003
LOWEST ANNUAL MEAN					48.4	2004
HIGHEST DAILY MEAN	107	Mar 22	68	Sep 28	107	Mar 22, 2003
LOWEST DAILY MEAN	42	Jan 1	42	Aug 29	37	Feb 13, 2002
ANNUAL SEVEN-DAY MINIMUM	42	Jan 1	42	Aug 29	37	Feb 13, 2002
MAXIMUM PEAK FLOW			57	Oct 11	107	Mar 22, 2003
MAXIMUM PEAK STAGE			9.19	Oct 11	9.19	Oct 11, 2003
INSTANTANEOUS LOW FLOW			42	Aug 28	36	Feb 27, 2002
ANNUAL RUNOFF (AC-FT)	38,810		35,160		36,010	
10 PERCENT EXCEEDS	55		55		55	
50 PERCENT EXCEEDS	53		47		47	
90 PERCENT EXCEEDS	44		45		42	

02322695 MILL POND SPRING NEAR HILDRETH, FL

LOCATION.--Lat 29° 58'04", long 82° 45'37", in NE$^1/_4$ sec.13, T.6 S., R.15 E., Columbia County, Hydrologic Unit 03110206, on left bank in the Ichetucknee River Springs State Park, about 600 ft upstream from east bank of the Ichetucknee River, 1.2 mi downstream from Ichetucknee Head Spring, 2.1 mi upstream from bridge on U.S. Highway 27, and 3.0 mi northeast of Hildreth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--1946, 1975 (miscellaneous discharge measurement), February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 18.76 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U. S. Highway 27, 2.1 mi downstream from base gage at National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. No independent peak this water year. Maximum discharge, 35 ft^3/s, Oct. 1, stage falling, peak occurred Sept. 23, 2003; maximum gage height, 4.81 ft, Sept. 30, stage rising (backwater from Ichetucknee River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	33	31	31	30	28	27	22	22	24	26	22
2	35	33	31	30	30	28	27	22	22	24	26	22
3	34	33	31	30	30	28	27	22	23	25	26	22
4	34	33	31	30	30	28	27	22	23	25	26	22
5	34	33	31	30	30	28	27	23	23	25	25	23
6	34	33	31	30	30	28	27	23	23	25	26	28
7	34	33	31	30	30	28	26	22	23	25	25	30
8	34	32	31	30	30	28	26	22	23	25	25	31
9	34	32	31	30	30	28	26	22	23	25	25	32
10	34	32	31	30	30	29	26	22	23	25	25	32
11	34	32	31	30	30	29	25	22	23	25	25	29
12	34	32	31	30	30	29	25	22	23	25	25	26
13	34	32	31	30	30	29	25	22	23	25	25	25
14	34	32	31	30	30	29	25	22	23	25	24	24
15	34	32	31	30	30	29	25	22	23	26	24	25
16	34	32	31	30	30	29	25	22	23	26	24	26
17	34	32	31	30	30	29	25	22	23	26	24	27
18	34	32	31	30	30	29	24	22	23	26	24	28
19	34	32	31	30	30	29	24	22	23	26	24	28
20	34	32	31	30	30	29	24	22	23	26	24	29
21	34	32	31	30	30	29	24	22	24	26	24	29
22	34	32	31	30	29	28	24	22	24	26	23	30
23	33	32	31	30	29	28	24	22	24	26	23	30
24	33	32	31	30	29	28	23	22	24	26	23	31
25	33	32	31	30	29	28	23	22	24	26	23	32
26	33	32	31	30	28	28	23	22	24	27	22	33
27	33	32	31	30	28	28	23	22	24	27	22	31
28	33	32	30	30	28	28	22	23	24	27	22	31
29	33	31	31	30	28	28	22	23	24	27	22	29
30	33	31	31	30	---	27	23	23	24	26	22	25
31	33	---	31	30	---	27	---	23	---	26	22	---
TOTAL	1,047	965	960	931	858	878	744	688	698	794	746	832
MEAN	33.8	32.2	31.0	30.0	29.6	28.3	24.8	22.2	23.3	25.6	24.1	27.7
MAX	35	33	31	31	30	29	27	23	24	27	26	33
MIN	33	31	30	30	28	27	22	22	22	24	22	22
MED	34	32	31	30	30	28	25	22	23	26	24	29
AC-FT	2,080	1,910	1,900	1,850	1,700	1,740	1,480	1,360	1,380	1,570	1,480	1,650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	24.9	23.6	22.6	22.7	23.8	32.2	28.5	21.2	23.3	25.2	24.4	26.0
MAX	33.8	32.2	31.0	30.0	29.6	50.8	44.3	26.6	31.6	34.1	33.4	34.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	16.0	15.0	14.3	15.4	17.8	17.6	16.4	14.8	15.0	15.8	15.8	16.0
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	11,745		10,141			
ANNUAL MEAN	32.2		27.7		27.8	
HIGHEST ANNUAL MEAN					27.8	2003
LOWEST ANNUAL MEAN					27.7	2004
HIGHEST DAILY MEAN	76	Mar 21	35	Oct 1	76	Mar 21, 2003
LOWEST DAILY MEAN	14	Jan 1	22	Apr 28	14	May 22, 2002
ANNUAL SEVEN-DAY MINIMUM	14	Jan 1	22	May 7	14	May 22, 2002
MAXIMUM PEAK FLOW			35	Oct 1	76	Mar 21, 2003
MAXIMUM PEAK STAGE			4.81	Sep 30	5.58	Mar 22, 2003
INSTANTANEOUS LOW FLOW			21	Aug 31	14	May 21, 2002
ANNUAL RUNOFF (AC-FT)	23,300		20,110		20,120	
10 PERCENT EXCEEDS	39		33		34	
50 PERCENT EXCEEDS	33		28		28	
90 PERCENT EXCEEDS	17		22		15	

02322698 ICHETUCKNEE RIVER AT DAMPIER'S LANDING NEAR HILDRETH, FL

LOCATION.--Lat 29°57'37", long 82°46'20", in SW$^1/_4$ sec.13, T.6 S., R.15 E., Columbia County, Hydrologic Unit 03110206, on the left bank, 1.2 mi upstream from bridge on U.S. Highway 27, 1.9 mi from mouth, 2.1 mi downstream from Ichetucknee Head Spring, and 2.2 mi east of Hildreth.

DRAINAGE AREA.--208 mi^2.

PERIOD OF RECORD.--1993 (Miscellaneous discharge measurement), February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.62 ft above National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 129, 8.0 mi below base gage, at datum 3.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height, 14.83 ft, Sept. 30, stage rising (backwater from Sante Fe River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	350	343	340	339	252	350	340	322	310	314	331
2	383	349	343	340	336	252	350	340	321	310	315	331
3	381	348	343	340	335	251	349	340	321	310	316	332
4	380	348	344	340	335	251	349	338	323	310	316	333
5	379	347	343	340	335	252	348	337	323	309	317	338
6	378	347	343	340	338	254	347	337	323	309	320	377
7	378	347	342	338	338	257	347	336	322	312	319	377
8	377	347	343	338	335	262	348	335	320	312	317	380
9	375	346	342	339	336	271	347	335	320	309	317	386
10	375	346	344	338	337	281	346	334	319	308	318	311
11	376	346	343	337	339	292	345	333	318	307	318	311
12	375	346	343	336	337	305	345	333	317	310	322	336
13	373	346	343	336	338	317	348	333	318	309	327	335
14	371	345	346	337	340	330	346	332	323	308	322	321
15	370	346	343	337	339	343	346	332	317	309	322	302
16	368	345	343	336	337	358	346	332	316	313	321	280
17	368	346	344	336	338	357	345	331	315	315	322	264
18	367	346	343	338	338	356	344	330	315	313	326	250
19	365	350	343	337	340	355	343	330	315	311	325	239
20	364	347	342	335	336	354	344	330	314	311	325	230
21	363	346	341	335	312	354	344	330	314	312	327	223
22	362	346	341	335	288	353	343	330	314	313	328	218
23	361	346	342	335	271	352	343	330	313	312	327	214
24	359	346	344	335	265	351	342	330	313	312	327	211
25	358	346	342	335	252	351	342	329	313	312	327	209
26	357	345	341	337	249	351	341	329	312	312	328	209
27	358	344	341	337	248	351	341	329	311	312	329	219
28	357	345	341	335	250	351	340	329	310	313	329	222
29	355	343	341	334	252	351	340	328	310	314	329	222
30	352	343	341	335	---	351	344	326	310	315	329	236
31	351	---	340	335	---	351	---	323	---	314	330	---
TOTAL	11,419	10,388	10,618	10,446	9,133	9,817	10,353	10,301	9,502	9,646	10,009	8,547
MEAN	368	346	343	337	315	317	345	332	317	311	323	285
MAX	383	350	346	340	340	358	350	340	323	315	330	386
MIN	351	343	340	334	248	251	340	323	310	307	314	209
MED	368	346	343	337	336	351	345	332	316	312	322	291
AC-FT	22,650	20,600	21,060	20,720	18,120	19,470	20,540	20,430	18,850	19,130	19,850	16,950
CFSM	1.77	1.66	1.65	1.62	1.51	1.52	1.66	1.60	1.52	1.50	1.55	1.37
IN.	2.04	1.86	1.90	1.87	1.63	1.76	1.85	1.84	1.70	1.73	1.79	1.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	286	279	282	289	288	242	246	295	291	294	280	281
MAX	368	346	343	337	315	317	345	358	361	369	323	358
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)
MIN	203	211	221	240	261	197	184	195	196	202	200	201
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	112,691		120,179			
ANNUAL MEAN	309		328		301	
HIGHEST ANNUAL MEAN					328	2004
LOWEST ANNUAL MEAN					273	2003
HIGHEST DAILY MEAN	399	Sep 20	386	Sep 9	399	Sep 20, 2003
LOWEST DAILY MEAN	138	Mar 11	209	Sep 25	138	Mar 11, 2003
ANNUAL SEVEN-DAY MINIMUM	156	Mar 7	215	Sep 22	156	Mar 7, 2003
MAXIMUM PEAK FLOW			396	Sep 9	401	Sep 20, 2003
MAXIMUM PEAK STAGE			14.83	Sep 30	15.68	Mar 22, 2003
INSTANTANEOUS LOW FLOW			205	Sep 26	137	Mar 11, 2003
ANNUAL RUNOFF (AC-FT)	223,500		238,400		218,000	
ANNUAL RUNOFF (CFSM)	1.48		1.58		1.45	
ANNUAL RUNOFF (INCHES)	20.15		21.49		19.65	
10 PERCENT EXCEEDS	375		355		368	
50 PERCENT EXCEEDS	343		336		327	
90 PERCENT EXCEEDS	189		306		203	

02322699 COFFEE SPRINGS NEAR HILDRETH, FL

LOCATION.--Lat 29°57'33", long 82°46'31", in SW $^1/_4$ sec.13, T.6 S., R.15 E., Suwannee County, Hydrologic Unit 03110206, on the right bank of Ichetucknee River in Ichetucknee Springs State Park, 0.7 mi upstream from bridge at U.S. Highway 27, 1.7 mi east of Hildreth, and 2.6 mi downstream from Ichetucknee Head Spring.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 2002 to current year (discharge measurements and gage-height only).

GAGE.--Nonrecording gage. Elevation of gage is 17.25 ft above National Geodetic Vertical Datum of 1929 (levels by Suwannee River Water Management District).

REMARKS.--Spring becomes fully or partially submerged by Ichetucknee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum measured discharge, 2.3 ft^3/s, May 19, 2004; maximum observed gage height, 18.26 ft, May 9, 2003; minimum measured discharge, 0.39 ft^3/s, May 31, 2003; minimum observed gage height, 16.81 ft, May 31, 2003.

EXTREMES FOR CURRENT PERIOD OF RECORD.--Maximum measured discharge, 2.3 ft^3/s, May 19; maximum observed gage height, 17.84 ft, Nov. 7; minimum measured discharge, 0.95 ft^3/s, Dec. 17; minimum observed gage height, 16.80 ft, July 27.

DISCHARGE MEASUREMENTS, NOVEMBER 2003 TO JULY 2004

DATE	TIME	STREAM STAGE	DISCHARGE IN FT3/S
Nov. 7, 2003	1545	17.84	1.7
Dec. 17, 2003	1720	17.56	0.95
Feb. 19, 2004	1724	17.33	1.0
Apr. 28, 2004	1745	17.38	1.4
May 19, 2004	1736	17.29	2.3
July 27, 2004	1445	16.80	1.6
Sept. 15, 2004	1200	*	

* Springs submerged by high water.

02322700 ICHETUCKNEE RIVER AT HIGHWAY 27 NEAR HILDRETH, FL

LOCATION.--Lat 29°57'09", long 82°47'10", in NW$^1/_4$ sec.23, T.6 S., R.15 E., Columbia County, Hydrologic Unit 03110206, on the downstream side of bridge on U.S. Highway 27, 1.0 mi east of Hildreth, 1.5 mi upstream from mouth, and 3.0 mi downstream from Ichetucknee Head Spring.

DRAINAGE AREA.--213 mi^2.

PERIOD OF RECORD.--1917, 1989, 1991 (miscellaneous discharge measurements), October 1929 to September 1983 and October 1995 to September 1998 (discharge measurements), February 2002 to current year. Published as Ichetucknee Springs near Hildreth, 1989, October 1995 to September 1996, 1998.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder at bridge on U.S. Highway 129, 7.0 mi below base gage, at datum 3.5 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Maximum gage height, 23.34 ft, Sept. 30, stage rising (backwater from Santa Fe River), peak occurred Oct. 12, 2004.

EXTREMES FOR PERIOD OF RECORD.--Maximum measured, 578 ft^3/s, Apr. 29, 1948; maximum gage height, 34.05 ft, Apr, 12, 1948 (backwater from Santa Fe River).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	322	327	331	327	244	336	321	272	278	294	302
2	358	323	327	330	325	244	335	319	271	278	295	302
3	356	322	327	331	324	243	335	317	272	278	295	301
4	354	321	328	330	324	244	334	315	275	278	294	303
5	352	321	329	330	324	246	333	313	274	276	295	306
6	351	321	328	329	325	251	332	311	275	276	298	334
7	350	322	329	328	326	262	333	310	274	280	297	341
8	348	323	329	329	323	276	333	308	274	282	296	361
9	347	321	330	329	323	291	332	306	275	279	295	421
10	345	321	330	329	324	306	331	304	276	278	295	459
11	348	321	331	328	326	321	331	302	276	279	298	427
12	347	322	330	328	324	339	331	300	275	283	299	400
13	344	322	331	329	324	343	331	298	276	283	304	376
14	342	321	333	329	326	345	330	295	284	283	300	355
15	341	322	332	328	326	349	330	292	276	284	299	342
16	341	322	332	328	325	365	330	290	277	288	300	333
17	338	322	333	328	327	361	329	286	278	291	300	286
18	338	323	333	329	329	358	327	283	278	289	301	241
19	337	325	332	328	334	353	326	280	277	286	301	209
20	335	324	332	327	315	349	326	280	278	287	301	184
21	334	323	332	327	278	347	326	278	277	288	303	163
22	333	324	332	326	251	344	326	278	275	288	303	153
23	332	324	332	325	233	342	326	278	277	289	302	146
24	330	325	333	325	233	340	324	277	279	290	302	141
25	329	325	331	325	224	340	324	277	279	289	302	139
26	329	325	331	326	225	339	324	276	277	290	302	137
27	329	325	331	326	232	339	325	276	276	291	302	163
28	327	326	332	324	239	338	324	277	276	293	303	174
29	326	326	331	324	242	337	322	277	276	293	302	181
30	324	326	332	325	---	336	326	275	278	292	302	242
31	323	---	331	324	---	336	---	273	---	293	302	---
TOTAL	10,547	9,690	10,251	10,155	8,658	9,828	9,872	9,072	8,283	8,832	9,282	8,222
MEAN	340	323	331	328	299	317	329	293	276	285	299	274
MAX	359	326	333	331	334	365	336	321	284	293	304	459
MIN	323	321	327	324	224	243	322	273	271	276	294	137
MED	341	322	331	328	324	339	330	290	276	286	300	302
AC-FT	20,920	19,220	20,330	20,140	17,170	19,490	19,580	17,990	16,430	17,520	18,410	16,310
CFSM	1.60	1.52	1.55	1.54	1.40	1.49	1.54	1.37	1.30	1.34	1.41	1.29
IN.	1.84	1.69	1.79	1.77	1.51	1.72	1.72	1.58	1.45	1.54	1.62	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	264	255	261	267	262	236	228	283	270	284	265	273
MAX	340	323	331	328	299	317	329	370	334	361	299	342
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2004)	(2003)
MIN	188	186	191	206	224	194	164	186	201	206	207	202
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	106,039		112,692			
ANNUAL MEAN	291		308		281	
HIGHEST ANNUAL MEAN					308	2004
LOWEST ANNUAL MEAN					254	2003
HIGHEST DAILY MEAN	439	May 12	459	Sep 10	459	Sep 10, 2004
LOWEST DAILY MEAN	124	Apr 1	137	Sep 26	124	Apr 1, 2003
ANNUAL SEVEN-DAY MINIMUM	132	Mar 28	149	Sep 21	132	Mar 28, 2003
MAXIMUM PEAK FLOW			487	Sep 10	487	Sep 10, 2004
MAXIMUM PEAK STAGE			23.34	Sep 30	24.34	Mar 22, 2003
INSTANTANEOUS LOW FLOW			137	Sep 26	113	Mar 31, 2003
ANNUAL RUNOFF (AC-FT)	210,300		223,500		203,700	
ANNUAL RUNOFF (CFSM)	1.36		1.45		1.32	
ANNUAL RUNOFF (INCHES)	18.52		19.68		17.94	
10 PERCENT EXCEEDS	371		340		354	
50 PERCENT EXCEEDS	324		323		300	
90 PERCENT EXCEEDS	175		275		185	

02322800 SANTA FE RIVER NEAR HILDRETH, FL

LOCATION.--Lat 29° 54'41", long 82° 51'38", in NE$^1/_4$ sec. 1, T. 7 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110206, near left bank on downstream side of bridge of U.S. Highway 129 and State Highway 49, 1.7 mi upsteam from mouth, and 8.6 mi west of Fort White.

DRAINAGE AREA.--1,376 mi^2, approximately.

PERIOD OF RECORD.--October 1947 to October 2000 (gage heights only), November 2000 to current year. Published as "near Fort White (auxiliary)" prior to September 1965.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 3.5 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 11, 1949, nonrecording gage at same sites and datum. Since October 1947 used as auxiliary gage for Santa Fe River near Fort White (station 02322500).

REMARKS.--Records fair. Maximum gage height 19.03 ft, Sept. 30, stage rising (backwater from Suwannee River), peak occurred Oct. 12, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,680	1,810	1,500	1,560	1,580	3,070	1,400	1,180	1,140	1,140	1,270	1,300
2	1,690	1,860	1,480	1,560	1,630	3,030	1,390	e1,180	1,150	1,120	1,290	1,290
3	1,700	1,880	1,470	1,480	1,650	3,050	1,370	e1,190	1,140	1,110	1,280	1,280
4	1,680	1,910	1,470	1,370	1,680	3,040	1,350	e1,190	1,160	1,110	1,280	1,280
5	1,640	1,960	1,470	1,370	1,690	3,080	1,320	e1,190	1,140	1,130	1,280	1,300
6	1,640	2,000	1,460	1,460	1,700	3,130	1,310	e1,190	1,150	1,130	1,280	1,430
7	1,680	2,020	1,440	1,520	1,720	3,070	1,300	1,190	1,160	1,140	1,250	2,670
8	1,700	2,000	1,430	1,510	1,700	3,020	1,300	1,170	1,150	1,150	1,230	3,410
9	1,700	1,970	1,420	1,520	1,710	2,940	1,260	1,160	1,170	1,140	1,270	4,370
10	1,720	1,920	1,440	1,500	1,710	2,840	1,260	1,160	1,160	1,130	1,290	6,230
11	1,730	1,890	1,430	1,360	1,740	2,740	1,240	1,150	1,160	1,130	1,290	8,240
12	1,740	1,870	1,410	1,340	1,780	2,680	1,240	1,140	1,140	1,150	1,290	9,230
13	1,750	1,840	1,400	1,350	1,800	2,600	1,280	1,140	1,150	1,150	1,300	9,390
14	1,790	1,820	1,410	1,380	1,830	2,520	1,280	1,120	1,250	1,170	1,280	9,100
15	1,790	1,780	1,420	1,380	1,890	2,420	1,270	1,140	1,260	1,190	1,250	8,610
16	1,800	1,750	1,410	1,370	1,920	2,380	1,250	1,130	1,230	1,190	1,260	8,160
17	1,770	1,720	1,420	1,400	2,020	2,300	1,230	1,150	1,210	1,250	1,270	7,580
18	1,750	1,710	1,430	1,480	2,180	2,240	1,210	1,140	1,210	1,260	1,300	7,130
19	1,740	1,700	1,450	1,490	2,300	2,160	1,210	1,170	1,200	1,260	1,270	6,490
20	1,750	1,690	1,440	1,470	2,400	2,040	1,190	1,160	1,210	1,260	1,260	6,190
21	1,740	1,640	1,430	1,470	2,570	1,880	1,190	1,140	1,200	1,270	1,270	5,860
22	1,740	1,620	1,430	1,520	2,680	1,780	1,180	1,150	1,200	1,280	1,310	5,330
23	1,730	1,620	1,430	1,540	2,810	1,720	1,170	1,160	1,200	1,290	1,280	5,140
24	1,720	1,630	1,440	1,550	2,930	1,670	1,160	1,170	1,210	1,260	1,280	4,940
25	1,680	1,620	1,460	1,570	3,040	1,600	1,160	1,170	1,200	1,250	1,250	4,670
26	1,660	1,600	1,450	1,570	3,090	1,560	1,170	1,170	1,180	1,270	1,280	4,570
27	1,670	1,590	1,500	1,570	3,080	1,530	1,180	1,160	1,190	1,260	1,270	5,080
28	1,670	1,560	1,540	1,530	3,040	1,510	1,170	1,150	1,180	1,270	1,290	5,100
29	1,680	1,530	1,580	1,520	3,060	1,480	1,140	1,150	1,170	1,250	1,310	5,240
30	1,690	1,500	1,590	1,520	---	1,450	1,170	1,140	1,150	1,240	1,340	6,130
31	1,750	---	1,570	1,540	---	1,440	---	1,140	---	1,260	1,310	---
TOTAL	53,170	53,010	45,220	45,770	62,930	71,970	37,350	35,940	35,420	37,210	39,680	156,740
MEAN	1,715	1,767	1,459	1,476	2,170	2,322	1,245	1,159	1,181	1,200	1,280	5,225
MAX	1,800	2,020	1,590	1,570	3,090	3,130	1,400	1,190	1,260	1,290	1,340	9,390
MIN	1,640	1,500	1,400	1,340	1,580	1,440	1,140	1,120	1,140	1,110	1,230	1,280
AC-FT	105,500	105,100	89,690	90,780	124,800	142,800	74,080	71,290	70,260	73,810	78,710	310,900
CFSM	1.25	1.29	1.06	1.07	1.58	1.69	0.91	0.84	0.86	0.87	0.93	3.80
IN.	1.44	1.44	1.22	1.24	1.70	1.95	1.01	0.97	0.96	1.01	1.07	4.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	1,319	1,265	1,175	1,188	1,414	1,725	1,341	1,155	1,182	1,276	1,425	2,365
MAX	1,715	1,767	1,459	1,476	2,170	2,842	2,390	1,656	1,819	2,038	2,246	5,225
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	1,041	997	1,032	980	957	837	828	815	825	909	987	961
(WY)	(2003)	(2003)	(2002)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	691,990		674,410			
ANNUAL MEAN	1,896		1,843		1,519	
HIGHEST ANNUAL MEAN					1,843	2004
LOWEST ANNUAL MEAN					971	2002
HIGHEST DAILY MEAN	4,190	Mar 15	9,390	Sep 13	9,390	Sep 13, 2004
LOWEST DAILY MEAN	1,170	Feb 6	1,110	Jul 3	589	Mar 28, 2001
ANNUAL SEVEN-DAY MINIMUM	1,190	Jan 31	1,130	Jul 1	616	Mar 24, 2001
MAXIMUM PEAK FLOW			11,000	Sep 12	11,000	Sep 12, 2004
MAXIMUM PEAK STAGE			17.41	Sep 19	30.69	Apr 12, 1948
INSTANTANEOUS LOW FLOW			922	Jul 6	54	Jul 30, 2001
ANNUAL RUNOFF (AC-FT)	1,373,000		1,338,000		1,101,000	
ANNUAL RUNOFF (CFSM)	1.38		1.34		1.11	
ANNUAL RUNOFF (INCHES)	18.74		18.26		15.02	
10 PERCENT EXCEEDS	2,530		2,960		2,320	
50 PERCENT EXCEEDS	1,820		1,440		1,220	
90 PERCENT EXCEEDS	1,320		1,150		898	

e Estimated

02323000 SUWANNEE RIVER NEAR BELL, FL

LOCATION.--Lat 29° 47'28", long 82° 55'28", in NW$^1/_4$ sec. 16, T. 8 S., R. 14 E., Gilchrist County, Hydrologic Unit 03110205, on downstream side of bridge on State Road 340, 4.5 mi northwest of Bell, 10.4 mi downstream from Santa Fe River, and 55 mi upstream from mouth.

DRAINAGE AREA.--9,390 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--June 1932 to November 1956, November 1975 to October 1977 (annual maximum elevation), November 1996 to January 1999 (gage-heights only), October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Suwannee River Water Management District). June 1, 1932 to Nov. 16, 1956, water-stage recorder at site .4 mi downstream at datum 3.60 ft higher, Nov. 18, 1975 to Oct. 10, 1977, nonrecording gage at present site at datum 3.60 ft higher, Nov. 1, 1996 to Jan. 31, 1999 and since Aug. 3, 2000, water-stage recorder at present site and datum.

REMARKS.--Records good, except for estimated daily discharge which are fair. Maximum daily discharge, 13,000 ft^3/s, Mar. 5, gage height, 18.88 ft, stage rising, peak occurred Oct. 12, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 28, 1928, reached a stage of 25.9 ft, from floodmarks; discharge, 74,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,020	7,110	5,860	5,360	5,200	12,700	e7,100	4,580	3,610	4,140	4,680	5,290
2	7,910	7,450	5,820	5,310	5,450	12,800	e6,900	4,610	3,590	4,400	4,640	5,220
3	7,780	7,710	5,800	5,290	5,730	12,900	e6,800	4,680	3,550	4,580	4,560	5,130
4	7,650	7,980	5,880	5,290	6,020	12,900	e6,700	4,580	3,550	4,730	4,450	5,010
5	7,510	8,240	5,930	5,300	6,280	12,900	e6,500	4,490	3,610	4,810	4,360	4,920
6	7,360	8,390	5,810	5,250	6,550	12,900	e6,400	4,500	3,620	4,810	4,260	5,390
7	7,250	8,470	5,660	5,030	6,780	e12,800	e6,130	4,470	3,570	e4,780	4,120	7,030
8	7,140	8,480	5,630	4,980	6,620	e12,600	e6,030	4,430	3,490	e4,720	3,950	8,190
9	6,990	8,350	5,610	5,080	6,630	e12,400	6,040	4,370	3,500	e4,640	3,900	9,980
10	6,880	8,110	5,680	5,090	6,810	e12,200	5,890	4,320	3,460	e4,740	3,820	12,400
11	6,830	7,950	5,660	4,930	7,000	e11,900	5,760	4,310	3,460	e4,710	3,780	14,700
12	6,880	7,830	5,450	4,920	7,170	e11,700	e5,700	4,300	3,430	e4,500	3,920	16,200
13	6,780	7,710	5,400	4,940	7,300	e11,400	e5,710	4,280	3,400	4,560	4,240	17,700
14	6,740	7,460	5,530	4,950	7,510	e11,100	e5,640	4,210	3,540	4,490	4,300	18,900
15	6,690	7,300	5,460	4,960	7,880	e10,800	e5,540	4,150	3,590	4,460	4,540	19,600
16	6,580	7,210	5,440	4,890	8,200	e10,700	e5,420	4,100	3,580	4,460	4,770	20,100
17	6,550	7,050	5,580	4,840	8,620	e10,500	e5,340	4,030	3,550	4,530	4,880	20,500
18	6,530	6,930	5,590	5,010	9,120	e10,100	e5,270	3,990	3,570	4,630	4,940	20,700
19	6,440	6,980	5,700	5,010	9,600	e9,780	e5,210	3,960	3,570	4,640	4,970	20,800
20	6,350	6,780	5,710	4,830	10,100	e9,520	5,110	3,940	3,640	4,570	5,030	20,900
21	6,280	6,570	5,700	4,750	10,700	e9,270	5,080	3,900	3,680	4,610	5,120	21,000
22	6,260	6,510	5,740	4,770	11,200	e9,100	5,040	3,860	3,750	4,640	5,190	21,000
23	6,190	6,470	5,810	4,760	11,700	e8,800	4,930	3,840	3,770	4,690	5,180	20,900
24	6,110	6,450	5,920	4,720	12,200	e8,600	4,820	3,760	3,680	4,790	5,180	20,800
25	6,040	6,350	5,820	4,760	12,600	e8,300	4,730	3,680	3,650	4,870	5,180	20,700
26	5,960	6,250	5,680	4,830	12,700	e8,070	4,690	3,610	3,660	4,820	5,250	20,700
27	5,950	6,200	5,600	4,860	12,700	e7,890	4,630	3,570	3,650	4,790	5,340	21,700
28	6,020	6,190	5,580	4,640	12,600	e7,770	4,490	3,570	3,690	4,790	5,370	21,900
29	6,120	6,020	5,550	4,590	12,600	e7,460	4,430	3,580	3,760	4,770	5,400	22,300
30	6,180	5,860	5,530	4,760	---	e7,360	4,480	3,560	3,910	4,740	5,390	23,300
31	6,640	---	5,460	4,930	---	e7,300	---	3,600	---	4,700	5,360	---
TOTAL	208,610	216,360	175,590	153,630	253,570	324,520	166,510	126,830	108,080	144,110	146,070	472,960
MEAN	6,729	7,212	5,664	4,956	8,744	10,470	5,550	4,091	3,603	4,649	4,712	15,770
MAX	8,020	8,480	5,930	5,360	12,700	12,900	7,100	4,680	3,910	4,870	5,400	23,300
MIN	5,950	5,860	5,400	4,590	5,200	7,300	4,430	3,560	3,400	4,140	3,780	4,920
MED	6,640	7,160	5,660	4,930	7,880	10,700	5,480	4,100	3,590	4,690	4,770	19,900
AC-FT	413,800	429,200	348,300	304,700	503,000	643,700	330,300	251,600	214,400	285,800	289,700	938,100
CFSM	0.72	0.77	0.60	0.53	0.93	1.11	0.59	0.44	0.38	0.50	0.50	1.68
IN.	0.83	0.86	0.70	0.61	1.00	1.29	0.66	0.50	0.43	0.57	0.58	1.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)

MEAN	7,977	7,053	6,559	7,680	8,366	11,040	12,230	8,014	6,043	6,320	7,980	8,764
MAX	18,550	34,280	32,940	26,750	21,170	33,390	59,430	20,050	10,740	10,400	22,260	19,960
(WY)	(1948)	(1948)	(1948)	(1948)	(1948)	(1948)	(1948)	(1948)	(1948)	(1946)	(1945)	(1945)
MIN	2,733	2,805	2,537	2,454	2,506	3,544	3,882	2,818	2,403	2,303	2,175	2,646
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(1955)	(1955)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1932 - 2004	
ANNUAL TOTAL	3,938,690		2,496,840			
ANNUAL MEAN	10,790		6,822		8,198	
HIGHEST ANNUAL MEAN					24,140	1948
LOWEST ANNUAL MEAN					3,013	2002
HIGHEST DAILY MEAN	27,900	Mar 23	23,300	Sep 30	82,300	Apr 13, 1948
LOWEST DAILY MEAN	5,080	Feb 6	3,400	Jun 13	2,050	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	5,240	Feb 3	3,470	Jun 8	2,100	Aug 8, 2002
MAXIMUM PEAK FLOW			13,000	Mar 5	82,300	Apr 13, 1948
MAXIMUM PEAK STAGE			13.50	Mar 5	27.43	Apr 13, 1948
INSTANTANEOUS LOW FLOW			3,350	Jun 13	1,920	Aug 9, 2002
ANNUAL RUNOFF (AC-FT)	7,812,000		4,952,000		5,939,000	
ANNUAL RUNOFF (CFSM)	1.15		0.727		0.873	
ANNUAL RUNOFF (INCHES)	15.60		9.89		11.86	
10 PERCENT EXCEEDS	21,000		12,200		15,100	
50 PERCENT EXCEEDS	8,650		5,530		6,430	
90 PERCENT EXCEEDS	5,730		3,770		3,510	

e Estimated

02323500 SUWANNEE RIVER NEAR WILCOX, FL

LOCATION.--Lat 29° 35'22", long 82° 56'12", in NW $^1/_4$ sec.29, T. 10 S., R. 14 E., Levy County, Hydrologic Unit 03110205, on left bank about 400 ft downstream from Fort Fannin Bridge on U.S. Highway 19, 2.0 mi southwest of Wilcox, and 33 mi upstream from mouth.

DRAINAGE AREA.--9,671 mi^2, revised, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

PERIOD OF RECORD.--October 1930 to September 1931, October 1941 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1905: WDR FL-75-1: Drainage area. WDR FL-97-4: 1996.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 0.53 ft below National Geodetic Vertical Datum of 1929. Prior to July 4, 1931, nonrecording gage at site 400 ft upstream at present datum. July 4 to Sept. 30, 1931, and Mar. 26 to May 14, 1942, water-stage recorder, and May 15, 1942 to Jan. 24, 1951, nonrecording gage at present site and datum. Feb. 1, 1951 to Dec. 9, 1999, auxiliary water-stage recorder about 9.0 mi downstream from base gage. Datum of auxiliary gage is 2.99 ft below National Geodetic Vertical Datum of 1929. Water-current meter since Dec. 9, 1999.

REMARKS.--Records fair. Flow generally affected by tide when discharge is less than 17,500 ft^3/s. Discharge computed from continuous velocity record obtained from water-current meter. Maximum discharge, 24,100 ft^3/s, Sept. 30, gage height, 10.81 ft, stage rising, peak occurred Oct. 15, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,910	6,660	5,600	5,130	5,080	12,100	6,770	4,290	e3,300	3,760	4,270	5,000
2	7,690	6,980	5,570	4,890	5,170	12,400	6,480	3,970	e3,270	4,180	4,280	5,050
3	7,490	7,350	5,320	4,770	5,290	12,400	6,430	4,490	e3,240	4,430	4,270	5,150
4	7,330	6,990	5,360	4,830	5,520	12,300	6,310	4,590	e3,320	4,630	4,280	5,430
5	7,210	7,360	5,780	4,730	5,640	12,400	6,040	4,110	3,190	4,630	4,330	5,650
6	6,870	7,660	6,030	5,390	5,770	12,400	5,880	4,120	3,350	4,800	4,150	3,740
7	6,780	7,650	5,380	5,120	6,660	12,300	5,500	4,200	3,470	4,730	4,410	5,610
8	6,910	7,740	5,200	4,510	e6,400	12,300	5,560	4,000	3,340	4,560	3,950	7,530
9	6,780	8,140	4,970	4,510	e6,200	12,000	5,650	4,200	3,550	4,470	3,920	8,980
10	6,610	7,830	5,080	5,290	6,290	11,800	5,730	3,980	3,440	4,590	3,830	10,600
11	6,360	7,370	5,710	4,610	6,390	11,500	5,400	4,180	3,400	4,570	3,540	12,600
12	6,620	7,120	5,020	4,540	6,550	11,200	5,220	4,020	3,390	4,210	2,950	14,500
13	6,550	7,450	5,050	4,550	6,800	10,800	5,480	4,030	3,300	4,290	4,280	15,900
14	6,360	7,180	5,090	4,530	6,870	10,500	6,020	4,110	3,140	4,330	e4,340	17,100
15	6,760	6,670	5,330	4,850	7,410	10,200	5,390	3,970	3,250	4,180	e4,430	17,800
16	6,190	6,580	4,920	4,570	7,640	10,200	4,950	3,900	3,440	4,270	4,480	18,800
17	6,070	6,580	5,430	4,320	8,100	10,000	4,970	3,900	3,430	4,020	4,540	19,300
18	6,260	6,230	5,100	4,440	8,540	9,540	4,890	3,730	3,360	4,110	4,620	19,600
19	6,230	6,500	5,660	4,860	8,700	9,190	4,790	3,780	3,450	4,330	4,790	19,800
20	6,070	6,670	5,600	4,830	9,070	9,100	4,850	3,600	3,310	4,340	4,660	19,800
21	5,900	6,070	5,220	4,520	9,800	8,860	4,580	3,750	3,440	4,420	4,910	19,900
22	5,960	5,940	5,260	4,360	10,300	8,830	4,760	3,590	3,460	4,610	4,970	20,100
23	5,870	5,790	5,220	4,580	11,000	8,340	4,710	3,820	3,640	4,770	5,010	20,200
24	5,600	5,850	5,420	4,200	11,500	7,960	4,590	3,790	3,500	4,560	5,130	20,000
25	5,420	6,220	5,570	4,140	11,800	7,710	4,510	3,870	3,340	4,750	4,960	20,000
26	5,450	5,700	5,360	4,250	12,200	7,550	4,440	3,770	3,630	4,430	4,850	20,200
27	5,410	5,560	5,210	4,760	12,600	7,360	5,030	3,500	3,560	4,400	4,940	21,300
28	5,280	5,990	5,110	5,100	12,300	7,230	4,410	3,500	3,700	4,460	5,180	21,400
29	5,950	6,450	5,020	4,290	12,100	7,010	4,140	3,610	3,600	4,490	4,890	21,600
30	5,910	5,400	5,190	4,440	---	6,600	4,330	3,220	3,670	4,280	4,940	22,100
31	6,190	---	5,050	4,720	---	6,880	---	3,360	---	4,390	4,960	---
TOTAL	197,990	201,680	164,830	144,630	237,690	308,960	157,810	120,950	102,480	136,990	139,060	444,740
MEAN	6,387	6,723	5,317	4,665	8,196	9,966	5,260	3,902	3,416	4,419	4,486	14,820
MAX	7,910	8,140	6,030	5,390	12,600	12,400	6,770	4,590	3,700	4,800	5,180	22,100
MIN	5,280	5,400	4,920	4,140	5,080	6,600	4,140	3,220	3,140	3,760	2,950	3,740
IN.	0.76	0.78	0.64	0.56	0.92	1.19	0.61	0.47	0.40	0.53	0.54	1.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	8,460	7,431	7,753	9,697	12,250	15,220	15,310	10,720	8,247	8,049	8,885	9,088
MAX	25,810	33,030	32,630	27,320	27,450	40,960	57,260	28,690	21,690	17,550	22,190	27,910
(WY)	(1965)	(1948)	(1948)	(1948)	(1998)	(1998)	(1948)	(1973)	(1959)	(1973)	(1991)	(1964)
MIN	3,010	3,207	2,581	2,169	2,401	3,638	4,557	3,098	2,462	2,421	2,610	3,272
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2000)	(2002)	(2002)	(2000)	(2000)	(2000)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL TOTAL	3,860,760		2,357,810			
ANNUAL MEAN	10,580		6,442		10,080	
HIGHEST ANNUAL MEAN					24,560	1948
LOWEST ANNUAL MEAN					3,275	2002
HIGHEST DAILY MEAN	27,200	Mar 23	22,100	Sep 30	84,700	Apr 14, 1948
LOWEST DAILY MEAN	4,920	Dec 16	2,950	Aug 12	1,070	Feb 6, 2002
ANNUAL SEVEN-DAY MINIMUM	5,130	Dec 12	3,270	May 30	1,920	Jan 8, 2002
MAXIMUM PEAK FLOW			14,000	Feb 27	84,700	Apr 14, 1948
MAXIMUM PEAK STAGE			7.03	Mar 6	22.32	Apr 14, 1948
INSTANTANEOUS LOW FLOW			1,010	Jun 6	271	Nov 6, 2002
ANNUAL RUNOFF (INCHES)	14.90		9.10		14.20	
10 PERCENT EXCEEDS	18,500		11,500		18,300	
50 PERCENT EXCEEDS	9,210		5,180		8,000	
90 PERCENT EXCEEDS	5,530		3,640		4,400	

e Estimated

02323500 SUWANNEE RIVER NEAR WILCOX, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.71	4.03	3.31	3.20	2.91	6.64	4.22	3.25	---	3.38	3.57	3.66
2	4.65	4.14	3.13	3.25	3.04	6.75	4.05	3.59	---	3.46	3.57	3.52
3	4.52	4.22	3.24	3.34	3.32	6.77	4.02	3.50	---	3.52	3.49	3.26
4	4.59	4.83	3.70	3.47	3.48	6.82	4.09	3.00	---	3.57	3.37	2.85
5	4.51	4.96	3.83	3.64	3.72	6.91	4.01	3.09	3.29	3.54	3.29	2.31
6	4.53	5.05	3.52	3.42	4.19	6.98	4.00	3.22	3.26	3.41	3.16	3.84
7	4.62	5.08	3.18	2.61	4.26	6.96	4.05	3.30	3.08	3.32	2.68	6.13
8	4.59	5.09	3.47	2.89	---	6.86	4.22	3.33	2.97	3.32	2.71	5.59
9	4.47	4.86	3.64	3.49	---	6.72	4.11	3.30	2.94	3.11	2.69	5.42
10	4.43	4.43	4.19	3.18	3.93	6.62	3.89	3.17	2.97	3.03	2.68	6.03
11	4.50	4.60	3.70	2.67	4.02	6.41	3.70	3.00	2.99	3.04	2.84	6.84
12	4.52	4.79	3.40	2.98	4.13	6.31	3.87	3.01	2.98	3.10	3.59	7.62
13	4.35	4.81	3.45	3.18	4.00	6.21	4.20	3.10	2.99	3.15	3.40	8.26
14	4.36	4.34	3.95	3.24	4.18	6.08	3.51	3.07	3.20	3.26	---	8.79
15	4.08	4.56	3.29	3.28	4.57	5.96	2.91	3.04	3.22	3.33	---	9.22
16	3.93	4.59	3.43	3.09	4.36	5.98	3.15	2.99	3.08	3.32	3.35	9.62
17	4.08	4.41	3.55	3.19	4.46	5.86	3.28	2.96	3.01	3.48	3.41	9.86
18	4.07	4.48	3.15	3.79	4.65	5.65	3.32	3.04	3.04	3.75	3.46	9.96
19	3.92	4.88	3.42	3.60	4.94	5.57	3.43	3.10	3.04	3.71	3.50	10.01
20	3.89	4.08	3.21	3.00	5.44	5.44	3.37	3.16	3.15	3.37	3.48	10.03
21	3.98	4.16	3.21	3.10	5.77	5.39	3.50	3.13	3.18	3.26	3.48	10.02
22	4.13	4.25	3.43	3.25	5.99	5.14	3.51	3.14	3.31	3.10	3.54	10.04
23	4.12	4.35	3.71	3.15	6.14	4.75	3.29	3.13	3.18	3.10	3.45	10.06
24	4.12	4.50	4.04	3.20	6.51	4.61	3.18	2.97	2.97	3.22	3.34	10.07
25	4.15	4.16	3.67	3.44	6.73	4.63	3.11	2.77	3.00	3.27	3.21	10.05
26	4.17	4.17	3.39	3.65	6.70	4.53	3.13	2.58	2.99	3.19	3.43	10.09
27	4.28	4.13	3.32	3.49	6.64	4.45	2.90	2.63	3.04	3.23	3.60	10.56
28	4.57	4.21	3.43	2.66	6.51	4.41	2.63	2.87	3.03	3.28	3.65	10.63
29	4.46	3.32	3.53	2.53	6.52	4.25	2.83	2.91	3.13	3.35	3.76	10.63
30	3.95	3.22	3.57	2.82	---	4.19	3.06	3.07	3.20	3.44	3.82	10.74
31	3.85	---	3.36	2.78	---	4.24	---	3.28	---	3.48	3.74	---
TOTAL	133.10	132.70	108.42	98.58	---	178.09	106.54	95.70	---	103.09	---	235.71
MEAN	4.29	4.42	3.50	3.18	---	5.74	3.55	3.09	---	3.33	---	7.86
MAX	4.71	5.09	4.19	3.79	---	6.98	4.22	3.59	---	3.75	---	10.74
MIN	3.85	3.22	3.13	2.53	---	4.19	2.63	2.58	---	3.03	---	2.31

CAL YR 2003 TOTAL 2,128.38 MEAN 5.83 MAX 12.62 MIN 2.49

02323502 FANNING SPRING NEAR WILCOX, FL

LOCATION.--Lat 29° 35'20", long 82° 56'00", in NW $^1/_4$ sec. 29, T. 10 S., R.14 E., Levy County, Hydrologic Unit 03110205, on left bank of spring run, .75 mi downstream of spring vent, and 1.8 mi southwest of Wilcox.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1930 to June 1998 (miscellaneous discharge measurements), June 2001 to current year.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records poor. Discharge computed from continuous velocity record obtained from water-current meter. Flow affected by tide. The Suwannee River flow can back up into the spring run during periods of high flow producing negative velocities and discharges. Flows recorded during these periods could contain a mixture of river and spring flow, or be totally river flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	88	114	107	107	-97	85	95	66	96	100	135
2	87	89	123	102	94	-95	86	76	85	92	101	147
3	88	81	117	94	88	-99	86	82	124	92	109	168
4	84	68	93	92	83	-108	81	109	126	90	124	205
5	84	69	91	85	73	-104	80	103	126	97	129	247
6	84	74	105	96	58	-97	82	93	125	103	142	144
7	81	73	116	133	61	-86	81	90	142	113	183	47
8	83	73	100	117	91	-81	75	87	150	110	177	82
9	90	85	92	91	78	-66	82	91	152	137	170	111
10	89	89	73	110	67	-50	89	93	150	136	172	94
11	86	88	96	130	63	-31	95	88	141	128	166	94
12	88	83	102	115	65	-17	85	68	148	128	108	98
13	90	83	99	102	70	9.1	77	84	143	126	120	110
14	88	90	81	99	65	26	113	95	119	119	142	108
15	98	87	110	98	60	40	136	95	113	109	128	114
16	99	87	97	80	63	38	116	95	127	114	137	116
17	95	88	96	85	63	53	106	93	132	104	143	156
18	94	84	111	80	59	58	101	93	130	77	144	165
19	99	78	100	89	35	64	92	86	127	86	142	170
20	101	106	109	112	-37	69	96	77	117	109	143	147
21	95	92	111	108	-62	72	91	77	111	121	146	139
22	92	92	98	101	-75	78	89	83	102	130	138	140
23	89	91	86	99	-79	85	103	81	115	124	146	151
24	93	87	77	94	-95	85	106	89	127	116	151	116
25	97	97	91	90	-100	81	109	103	128	111	160	125
26	91	90	101	73	-96	82	107	112	130	113	140	121
27	90	94	100	91	-87	80	118	107	123	109	125	150
28	86	90	98	126	-94	83	132	92	117	108	129	157
29	93	127	92	130	-95	85	116	88	120	107	118	174
30	104	125	88	113	---	84	103	75	112	103	119	166
31	96	---	101	117	---	81	---	64	---	101	124	---
MEAN	90.9	88.3	99.0	102	18.0	10.4	97.3	89.2	124	110	138	137
MAX	104	127	123	133	107	85	136	112	152	137	183	247
MIN	81	68	73	73	-100	-108	75	64	66	77	100	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	78.4	71.6	80.0	81.4	58.0	-2.64	21.4	73.6	70.0	68.0	78.9	76.2
MAX	91.4	88.3	99.0	102	102	21.6	97.3	89.2	124	110	138	137
(WY)	(2003)	(2004)	(2004)	(2004)	(2003)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	53.0	46.6	46.8	50.9	18.0	-39.9	-76.3	50.6	28.5	37.6	57.0	45.8
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2003)	(2003)	(2002)	(2001)	(2001)	(2001)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL MEAN	57.3		92.2		65.8	
HIGHEST ANNUAL MEAN					92.2	2004
LOWEST ANNUAL MEAN					49.1	2002
HIGHEST DAILY MEAN	131	Jan 24	247	Sep 5	247	Sep 5, 2004
LOWEST DAILY MEAN	-108	Apr 10	-108	Mar 4	-108	Apr 10, 2003
ANNUAL SEVEN-DAY MINIMUM	-107	Apr 8	-99	Feb 29	-107	Apr 8, 2003
MAXIMUM PEAK STAGE			10.88	Sep 30	12.66	Mar 27, 2003
10 PERCENT EXCEEDS	103		140		115	
50 PERCENT EXCEEDS	79		95		71	
90 PERCENT EXCEEDS	-62		63		19	

02323505 LITTLE FANNING SPRINGS NEAR WILCOX, FL

LOCATION.--Lat 29° 35'15", long 82° 56'08", in NW $^{1}/_{4}$ sec. 29, T 10 S., R. 14 E., Levy County, Hydrologic Unit 03110205, at head of springs in Fanning Springs State Park, 500 ft southeast of Fanning Spring, 0.3 mi downstream from U.S. Highway 19 bridge, and 1.8 mi southwest of Wilcox.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--1985 (miscellaneous measurement), October 2002 to current year (discharge measurements).

GAGE.--Non recording gage. Datum of gage is not determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum measured discharge, 26 ft^3/s, May 8, 2003; minimum measured discharge, 0.89 ft^3/s, July 1, 2004; maximum gage height, 11.34 ft, Apr. 7, 2004; minimum gage height, 10.81, July 1, 2004.

EXTREMES FOR CURRENT YEAR.-- Maximum measured discharge, 7.9 ft^3/s, Apr. 7, gage height, 11.34 ft; minimum measured discharge, 0.89 ft^3/s, July 1, gage height, 10.81 ft.

DISCHARGE MEASUREMENTS, OCTOBER 2003 TO SEPTEMBER 2004

DATE	TIME	STREAM STAGE	DISCHARGE IN FT3/S
Apr. 7, 2004	1520	11.34	7.9
July 1, 2004	1520	10.81	0.89

02323566 MANATEE SPRING NEAR CHIEFLAND, FL

LOCATION.--Lat 29° 29'24", long 82° 58'37", in SE $^1/_4$ sec. 26, T. 11 S., R.13 E., Levy County, Hydrologic Unit 03110205, on left bank of Suwannee River at Manatee Spring State Park, and 7.2 mi west of Chiefland.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1932 to June 1998 (miscellaneous measurements), January 2001 to current year.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Flow affected by tide. Discharge computed from continuous velocity record obtained from water-current meter. Maximum gage height, 6.94 ft, Sept. 27, stage rising (backwater from Suwannee River), peak occurred Oct. 15, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	154	160	156	158	131	150	145	139	137	137	147
2	149	153	166	152	155	130	152	139	138	138	137	150
3	150	152	157	151	151	130	153	140	141	138	139	155
4	148	136	146	147	150	129	146	150	141	137	141	167
5	149	137	146	144	144	128	149	144	140	138	139	180
6	142	137	155	153	136	127	147	142	141	142	143	144
7	141	137	159	167	140	129	144	142	144	142	155	133
8	144	137	151	155	161	130	141	142	146	142	152	153
9	145	146	145	142	149	132	144	142	145	144	152	159
10	146	154	134	156	145	134	149	143	145	144	151	154
11	144	145	151	161	144	135	151	148	143	142	147	149
12	145	139	152	151	143	135	146	147	142	140	128	143
13	147	141	149	147	150	135	139	144	140	138	138	139
14	144	152	141	147	143	137	160	146	137	135	143	135
15	154	141	158	146	138	138	168	148	135	133	142	131
16	154	141	150	152	148	136	157	148	139	137	145	128
17	149	145	151	148	147	137	153	149	140	134	145	128
18	151	140	157	138	146	140	151	148	140	132	143	129
19	153	134	153	146	140	138	148	147	140	136	143	132
20	153	156	159	157	130	139	149	146	138	144	145	133
21	149	146	158	151	128	138	145	147	140	146	146	134
22	146	145	153	149	129	145	145	146	136	149	146	135
23	146	140	146	151	129	154	148	147	140	147	148	136
24	145	138	141	148	124	154	150	149	141	144	151	136
25	144	147	150	143	125	149	153	154	139	141	154	138
26	145	144	155	140	127	151	152	157	145	141	147	139
27	142	143	154	146	131	151	156	154	144	140	145	137
28	136	143	151	167	134	151	159	148	144	140	145	139
29	145	168	147	160	133	154	153	149	141	139	143	141
30	153	163	147	154	---	153	149	145	140	137	141	142
31	157	---	153	159	---	149	---	140	---	138	143	---
MEAN	147	145	151	151	141	139	150	146	141	140	144	142
MAX	157	168	166	167	161	154	168	157	146	149	155	180
MIN	136	134	134	138	124	127	139	139	135	132	128	128

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	118	117	119	121	113	110	111	112	106	108	111	116
MAX	147	145	151	151	141	139	150	146	141	140	144	142
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	99.8	101	101	100	99.4	97.1	94.3	99.2	85.2	84.3	84.3	84.4
(WY)	(2003)	(2003)	(2003)	(2003)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL MEAN	116		145		116	
HIGHEST ANNUAL MEAN					145	2004
LOWEST ANNUAL MEAN					98.3	2002
HIGHEST DAILY MEAN	168	Nov 29	180	Sep 5	180	Sep 5, 2004
LOWEST DAILY MEAN	86	Jan 8	124	Feb 24	78	Jun 11, 2002
ANNUAL SEVEN-DAY MINIMUM	92	Jun 20	127	Feb 20	82	Sep 8, 2002
MAXIMUM PEAK FLOW			191	Sep 5	234	Jan 4, 2002
MAXIMUM PEAK STAGE			6.94	Sep 27	8.37	Mar 27, 2003
INSTANTANEOUS LOW FLOW			110	Jun 22	13	Oct 26, 2002
10 PERCENT EXCEEDS	150		155		149	
50 PERCENT EXCEEDS	105		145		106	
90 PERCENT EXCEEDS	96		135		87	

02323592 SUWANNEE RIVER ABOVE GOPHER RIVER NEAR SUWANNEE, FL

LOCATION.-- Lat 29° 20'19", long 83° 05'13", in NE$^1/_4$ sec. 22, T. 13S., R. 12E., Dixie County, Hydrologic Unit 03110205, on right bank, 0.6 mi downstream of Flag Creek, 1.9 mi upstream of Gopher River, 4.8 mi upstream of the town of Suwannee, and 7.6 mi above the mouth.

DRAINAGE AREA.--9,973 mi^2, revised.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-- June 1999 to current year.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 2.10 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for estimated daily discharges which are poor. Flow affected by tide.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,960	7,380	6,300	5,740	6,240	12,200	e7,370	4,560	4,570	4,580	6,430	7,070
2	8,370	7,510	6,570	5,470	5,340	13,400	e7,270	4,990	4,450	4,520	6,480	7,060
3	7,890	6,870	5,220	5,610	6,140	13,100	e7,170	6,510	4,030	4,780	6,200	7,200
4	7,800	8,350	5,030	5,300	6,500	13,100	e6,870	5,550	4,080	5,210	6,050	7,570
5	8,220	8,480	6,820	5,840	6,060	13,200	e6,580	4,640	3,860	5,380	6,190	8,680
6	7,540	9,120	7,500	7,550	6,270	13,700	e6,310	4,640	4,160	5,780	6,060	-935
7	7,240	8,760	5,390	5,440	9,150	13,900	e6,020	4,510	4,340	5,250	6,440	17,700
8	7,940	9,230	5,950	4,760	7,720	13,900	e6,180	3,110	4,070	5,810	5,050	17,000
9	7,560	10,300	5,740	5,680	6,160	12,000	e6,320	4,850	3,910	5,290	5,540	14,500
10	7,040	7,970	5,820	6,900	6,990	13,700	6,770	5,070	3,700	5,210	5,380	15,000
11	7,170	7,540	7,750	5,140	7,000	12,300	5,520	5,090	3,940	e6,590	5,100	15,700
12	7,830	7,890	6,090	4,760	6,930	11,700	5,320	4,260	4,020	e6,160	4,530	16,700
13	7,370	9,010	5,390	5,050	7,860	11,900	6,930	4,880	e4,160	e6,070	8,970	17,500
14	6,990	7,730	6,440	4,960	6,790	11,400	8,350	5,560	e3,990	6,030	5,990	17,800
15	7,950	7,080	6,070	5,390	9,220	11,100	5,630	5,090	e4,120	6,220	6,280	13,400
16	6,780	7,840	5,450	5,220	8,880	10,800	e7,180	5,280	e4,320	5,500	6,650	18,800
17	6,520	7,540	6,970	3,450	8,650	11,800	e8,320	4,940	e4,290	5,940	6,650	20,700
18	7,340	5,600	4,420	5,490	9,330	10,300	6,140	4,510	e4,190	5,740	6,510	22,400
19	6,740	9,850	7,010	7,280	8,670	10,500	5,670	4,290	e4,190	6,930	6,490	22,800
20	6,840	7,310	6,250	5,410	9,440	10,100	5,600	4,180	e4,220	6,290	6,520	23,500
21	6,310	6,780	5,600	5,210	10,600	9,310	5,030	4,410	e4,320	6,230	7,090	22,600
22	7,080	7,000	5,940	5,660	11,400	10,300	5,660	4,080	e4,310	6,280	7,000	20,700
23	6,940	6,690	5,850	5,720	11,300	9,070	5,780	4,510	4,650	5,850	6,830	20,800
24	6,500	7,650	7,220	5,130	11,900	8,710	5,410	4,550	4,230	6,110	6,850	21,700
25	6,790	6,830	6,960	4,610	14,300	8,520	5,160	4,680	3,680	6,100	6,660	22,200
26	6,210	6,970	6,530	4,860	13,100	8,550	4,670	4,260	4,370	6,280	6,490	24,700
27	6,420	6,190	5,810	6,610	13,900	8,110	5,730	3,840	3,550	6,200	7,360	15,600
28	4,950	7,660	5,920	6,220	12,900	7,990	5,080	3,600	4,500	6,690	7,260	24,800
29	9,710	7,030	5,600	4,400	12,300	8,090	4,530	4,450	4,450	6,590	7,000	23,100
30	7,140	5,760	5,900	4,990	---	6,730	4,960	4,170	4,440	6,450	6,950	22,600
31	6,750	---	6,020	5,590	---	e7,690	---	4,600	---	6,200	7,150	---
MEAN	7,222	7,664	6,114	5,466	9,001	10,880	6,118	4,634	4,170	5,879	6,456	16,960
MAX	9,710	10,300	7,750	7,550	14,300	13,900	8,350	6,510	4,650	6,930	8,970	24,800
MIN	4,950	5,600	4,420	3,450	5,340	6,730	4,530	3,110	3,550	4,520	4,530	-935
MED	7,140	7,540	5,950	5,410	8,670	11,100	5,900	4,560	4,190	6,070	6,490	17,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	4,939	4,695	4,466	4,886	5,411	9,920	10,030	5,495	5,152	5,702	6,415	7,985
MAX	7,222	7,664	6,114	7,736	9,001	22,120	24,530	11,420	10,240	10,450	12,990	16,960
(WY)	(2004)	(2004)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	2,711	3,468	3,287	3,046	3,156	4,682	4,381	2,891	2,553	2,893	2,831	2,258
(WY)	(2003)	(2002)	(2002)	(2002)	(2002)	(2000)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	11,640		7,526		6,353	
HIGHEST ANNUAL MEAN					10,950	2003
LOWEST ANNUAL MEAN					3,403	2002
HIGHEST DAILY MEAN	33,600	Mar 31	24,800	Sep 28	33,600	Mar 31, 2003
LOWEST DAILY MEAN	4,420	Dec 18	-935	Sep 6	-935	Sep 6, 2004
ANNUAL SEVEN-DAY MINIMUM	5,730	Feb 8	3,970	Jun 8	1,590	Sep 6, 2002
MAXIMUM PEAK FLOW			30,500	Sep 30	36,600	Apr 6, 2003
MAXIMUM PEAK STAGE			5.73	Oct 28	5.86	Jul 23, 2001
INSTANTANEOUS LOW FLOW			-11,700	Aug 14	-17,800	Nov 6, 2002
10 PERCENT EXCEEDS	22,400		12,500		11,300	
50 PERCENT EXCEEDS	9,550		6,460		5,000	
90 PERCENT EXCEEDS	6,130		4,410		2,820	

e Estimated

02323592 SUWANNEE RIVER ABOVE GOPHER RIVER NEAR SUWANNEE, FL—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.20	0.70	0.30	0.57	0.24	1.24	---	1.29	1.49	1.37	1.87	1.74
2	1.12	0.65	-0.26	0.71	0.32	1.16	---	1.77	1.52	1.40	1.85	1.67
3	1.09	0.65	0.48	0.79	0.45	1.09	---	1.46	1.40	1.41	1.82	1.50
4	1.44	1.90	1.25	1.05	0.48	1.41	---	0.64	1.36	1.39	1.76	1.25
5	1.26	1.79	1.14	1.25	0.88	1.65	---	1.01	1.54	1.33	1.73	0.71
6	1.57	1.75	0.30	0.55	1.53	1.74	---	1.22	1.47	1.09	1.71	2.11
7	1.82	1.71	0.20	-0.51	0.95	1.46	---	1.35	1.27	1.07	1.39	2.75
8	1.66	1.61	0.75	0.38	-0.48	1.13	---	1.19	1.12	1.03	1.53	2.09
9	1.58	0.64	1.12	1.28	0.45	1.22	---	1.48	1.12	0.95	1.51	1.87
10	1.62	0.19	2.15	0.16	0.78	0.68	1.11	1.33	1.18	0.81	1.55	1.79
11	1.84	1.10	0.66	-0.21	0.84	0.80	1.05	1.10	1.21	---	1.63	1.79
12	1.74	1.58	0.72	0.52	1.02	1.06	1.44	1.17	1.12	---	2.11	1.87
13	1.51	1.42	1.06	0.81	0.37	1.07	1.81	1.24	---	---	1.70	1.94
14	1.69	0.62	1.65	0.90	1.02	1.14	-0.02	1.10	---	1.46	1.69	2.06
15	0.75	1.67	0.44	0.93	1.14	1.11	-0.37	1.04	1.39	1.53	1.77	2.54
16	1.00	1.60	1.05	0.66	0.14	1.43	---	1.01	1.18	1.55	1.66	2.61
17	1.42	1.31	0.71	0.96	0.19	1.16	---	1.00	1.13	1.71	1.68	2.45
18	1.22	1.87	0.47	1.74	0.01	1.08	1.02	1.15	1.14	1.86	1.72	2.20
19	1.09	2.16	0.39	1.12	0.54	1.25	1.27	1.25	1.11	1.77	1.75	2.04
20	1.07	0.33	0.09	0.32	1.36	1.24	1.14	1.35	1.28	1.58	1.72	1.77
21	1.37	1.22	0.22	0.61	1.54	1.54	1.51	1.30	1.34	1.54	1.67	1.70
22	1.44	1.34	0.55	0.70	1.42	0.68	1.48	1.37	1.53	1.43	1.71	1.93
23	1.45	1.64	1.06	0.59	1.31	0.19	1.16	1.36	1.24	1.48	1.66	2.03
24	1.57	1.87	1.36	0.82	1.89	0.38	1.13	1.17	1.02	1.54	1.58	2.01
25	1.63	1.18	0.72	1.35	1.42	0.80	1.11	0.92	1.15	1.58	1.51	1.93
26	1.70	1.35	0.41	1.67	1.30	0.73	1.24	0.70	1.00	1.55	1.67	1.58
27	1.94	1.52	0.54	1.19	0.39	0.83	0.77	0.82	1.08	1.62	1.73	2.80
28	2.55	1.40	0.81	-0.35	0.20	0.92	0.56	1.17	0.96	1.62	1.74	2.41
29	1.51	-0.45	1.09	0.13	0.63	0.72	0.88	0.99	1.13	1.71	1.83	2.33
30	1.07	0.23	1.15	0.48	---	0.90	1.12	1.22	1.20	1.80	1.87	2.32
31	0.74	---	0.75	0.14	---	---	---	1.44	---	1.83	1.79	---
MEAN	1.44	1.22	0.75	0.69	0.77	---	---	1.18	---	---	1.71	1.99
MAX	2.55	2.16	2.15	1.74	1.89	---	---	1.77	---	---	2.11	2.80
MIN	0.74	-0.45	-0.26	-0.51	-0.48	---	---	0.64	---	---	1.39	0.71

02323592 SUWANNEE RIVER ABOVE GOPHER RIVER NEAR SUWANNEE, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1999 to current year.

REMARKS.--Water temperature records fair; salinity records poor. Water-quality measured at two elevations, 1.95 ft (top) and 10.02 ft (bottom) below NGVD of 1929.

TEMPERATURE, WATER TOP, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.2	22.5	17.8	16.9	16.0	14.3	---	24.3	28.6	28.8	29.0	---
2	22.8	22.4	17.4	17.5	16.1	14.8	---	24.6	28.8	28.6	28.5	---
3	22.6	22.4	17.2	18.0	16.3	15.2	---	24.7	28.7	28.7	28.6	---
4	23.1	22.9	17.5	18.6	16.3	15.5	---	24.3	28.6	28.9	29.2	---
5	23.5	23.0	18.0	19.1	16.7	15.9	---	24.1	28.2	29.0	29.4	---
6	23.9	23.1	17.6	19.2	17.2	16.6	---	24.4	28.0	29.0	29.7	---
7	24.2	23.3	16.8	17.9	17.2	17.3	---	24.9	27.9	29.4	28.7	---
8	24.4	23.2	16.5	16.6	15.8	17.6	---	---	27.5	29.2	28.0	---
9	24.3	22.7	16.6	16.7	15.2	17.5	---	25.6	27.8	29.1	27.6	---
10	24.1	21.5	16.7	16.3	15.3	17.5	22.6	25.7	27.8	29.1	27.4	---
11	23.7	21.4	16.4	15.2	15.3	17.6	23.0	25.9	27.8	29.4	27.5	---
12	23.5	21.5	16.4	14.9	15.7	17.8	22.8	25.9	28.2	28.9	27.3	---
13	23.8	21.7	16.6	15.2	16.0	17.9	22.1	26.1	---	28.4	26.4	---
14	23.9	21.0	17.0	15.4	15.7	18.3	21.1	26.2	---	28.7	25.8	---
15	23.6	20.6	17.0	15.9	15.9	18.6	20.7	26.0	28.9	28.7	25.4	---
16	23.1	20.5	17.0	16.2	15.6	18.9	---	26.0	29.2	28.7	25.5	---
17	22.9	20.5	17.2	16.3	14.9	19.1	---	26.2	29.3	28.3	26.3	---
18	22.9	20.8	16.7	16.8	14.1	19.4	21.9	26.2	29.3	27.8	27.1	---
19	22.8	21.0	16.3	17.2	13.8	19.6	22.3	26.4	29.5	27.3	27.8	---
20	22.8	20.4	15.7	17.0	13.7	20.0	22.7	26.4	29.4	27.3	28.3	---
21	22.9	20.2	15.0	16.7	13.9	20.4	22.9	26.5	28.6	27.8	28.5	---
22	23.0	20.2	15.0	16.6	14.0	20.2	23.3	26.9	---	28.2	27.9	---
23	23.1	20.2	15.3	16.5	14.1	19.6	23.6	27.3	27.9	28.7	27.7	---
24	22.9	20.1	15.8	16.4	14.1	19.4	24.0	27.8	28.3	29.0	27.7	---
25	22.9	19.6	15.8	16.6	14.0	19.5	24.4	28.1	28.6	28.9	---	---
26	23.0	19.3	15.8	17.2	13.8	19.8	24.6	28.4	29.1	29.1	---	---
27	22.9	19.7	15.9	18.0	13.2	20.2	24.3	28.4	29.5	29.3	---	---
28	22.9	19.8	15.9	17.6	13.0	20.7	24.0	28.3	29.6	29.4	---	---
29	22.5	18.8	16.1	17.0	13.6	21.2	23.7	28.2	29.3	29.1	---	---
30	22.2	18.0	16.4	16.8	---	21.5	23.9	28.3	29.0	29.0	---	24.7
31	22.4	---	16.5	16.7	---	---	---	28.5	---	29.0	---	---
MEAN	23.2	21.1	16.5	16.9	15.1	---	---	---	---	28.7	---	---
MAX	24.4	23.3	18.0	19.2	17.2	---	---	---	---	29.4	---	---
MIN	22.2	18.0	15.0	14.9	13.0	---	---	---	---	27.3	---	---

TEMPERATURE, WATER BOTTOM, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.1	22.4	17.7	16.9	15.9	14.3	---	24.2	28.5	28.6	28.9	28.1
2	22.7	22.4	17.4	17.3	16.0	14.8	---	24.5	28.7	28.5	28.4	---
3	22.6	22.3	17.1	17.8	16.2	15.2	---	24.6	28.6	28.6	28.5	---
4	23.0	22.7	17.4	18.5	16.2	15.5	---	24.2	28.5	28.8	29.1	---
5	23.4	22.8	17.9	19.0	16.5	15.9	---	24.0	28.1	29.0	29.2	27.0
6	23.8	23.0	17.5	19.1	17.2	16.6	---	24.3	27.9	28.9	29.5	25.4
7	24.1	23.1	16.7	17.8	17.1	17.3	---	24.8	27.8	29.3	28.7	25.5
8	24.2	23.1	16.4	16.5	15.8	17.6	---	---	27.4	29.1	27.9	25.8
9	24.1	22.6	16.5	16.6	15.1	17.4	---	25.4	27.7	28.9	27.5	26.3
10	24.0	21.4	16.6	16.2	15.2	17.4	22.4	25.6	27.6	29.0	27.3	26.5
11	23.6	21.2	16.3	15.1	15.3	17.5	22.9	25.8	27.7	29.1	27.3	26.4
12	23.4	21.4	16.3	14.8	15.7	17.6	22.7	25.7	28.1	28.8	27.2	26.2
13	23.5	21.6	16.5	15.1	16.0	17.8	22.0	25.9	---	28.3	26.3	26.2
14	23.8	20.9	16.9	15.3	15.7	18.2	21.0	26.0	---	28.6	25.7	26.0
15	23.5	20.4	16.9	15.8	15.8	18.6	20.5	25.8	28.8	28.6	25.3	25.9
16	22.9	20.4	16.9	16.1	15.5	18.8	---	25.9	29.1	28.6	25.3	26.0
17	22.8	20.5	17.1	16.2	14.8	19.0	---	26.0	29.2	28.2	26.1	26.2
18	22.9	20.7	16.6	16.7	14.0	19.2	21.7	26.1	29.2	27.7	27.0	26.3
19	22.8	20.9	16.2	17.1	13.7	19.4	22.2	26.2	29.4	27.2	27.7	26.2
20	22.7	20.3	15.6	16.9	13.5	19.8	22.5	26.3	29.3	27.2	28.2	25.5
21	22.8	20.0	14.9	16.6	13.8	20.3	22.8	26.4	28.5	27.7	28.4	24.9
22	22.9	20.0	14.8	16.5	13.9	20.1	23.1	26.7	---	28.0	27.7	24.9
23	23.0	20.0	15.2	16.4	14.0	19.5	23.5	27.1	27.7	28.6	27.6	25.0
24	22.7	20.0	15.7	16.3	14.0	19.3	23.9	27.6	28.2	28.9	27.7	24.8
25	22.8	19.5	15.7	16.5	14.0	19.5	24.2	27.9	28.5	28.8	27.8	24.5
26	22.9	19.2	15.7	17.1	13.7	19.7	24.5	28.2	29.0	29.0	27.8	24.1
27	22.9	19.6	15.7	18.0	13.1	20.1	24.2	28.3	29.4	29.1	27.8	23.9
28	22.8	19.7	15.8	17.5	12.9	20.6	23.9	28.2	29.5	29.2	27.7	24.3
29	22.4	18.7	16.0	16.8	13.5	21.0	23.6	28.1	29.2	28.9	27.9	24.6
30	22.1	17.9	16.3	16.7	---	21.3	23.8	28.2	28.9	28.8	28.2	24.7
31	22.3	---	16.4	16.6	---	---	---	28.4	---	28.9	28.2	---
MEAN	23.1	21.0	16.4	16.8	15.0	---	---	---	---	28.6	27.7	---
MAX	24.2	23.1	17.9	19.1	17.2	---	---	---	---	29.3	29.5	---
MIN	22.1	17.9	14.8	14.8	12.9	---	---	---	---	27.2	25.3	---

02323592 SUWANNEE RIVER ABOVE GOPHER RIVER NEAR SUWANNEE, FL—Continued

SALINITY, WATER TOP, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.14	0.13	0.13	0.13	0.05	---	0.14	0.14	0.12	0.11	---
2	0.14	0.14	0.14	0.13	0.13	0.05	---	0.14	0.14	0.12	0.11	---
3	0.15	0.13	0.14	0.13	0.13	0.05	---	0.14	0.14	0.12	0.12	---
4	0.15	0.11	0.14	0.13	0.12	0.05	---	0.14	0.14	0.12	0.12	---
5	0.14	0.09	0.14	0.13	0.11	0.05	---	0.14	0.14	0.11	0.12	---
6	0.14	0.08	0.13	0.13	0.10	0.05	---	0.14	0.14	0.10	0.12	---
7	0.14	0.08	0.14	0.14	0.08	0.05	---	0.13	0.13	0.09	0.13	---
8	0.14	0.07	0.14	0.14	0.08	0.05	---	---	0.13	0.09	0.13	---
9	0.14	0.07	0.14	0.13	0.08	0.06	---	0.14	0.13	0.09	0.13	---
10	0.14	0.07	0.13	0.13	0.08	0.06	0.16	0.14	0.13	0.09	0.14	---
11	0.15	0.08	0.13	0.14	0.08	0.07	0.16	0.14	0.13	0.09	0.14	---
12	0.15	0.09	0.14	0.14	0.08	0.05	0.15	0.14	0.13	0.09	0.42	---
13	0.15	0.09	0.14	0.14	0.08	0.05	0.15	0.14	---	0.10	0.14	---
14	0.15	0.10	0.14	0.14	0.07	0.07	0.15	0.14	---	0.10	0.14	---
15	0.15	0.10	0.14	0.14	0.07	0.06	0.15	0.14	0.12	0.10	0.14	---
16	0.15	0.11	0.14	0.14	0.06	---	---	0.14	0.12	0.10	0.15	---
17	0.15	0.11	0.14	0.14	0.07	---	---	0.14	0.13	0.10	0.15	---
18	0.15	0.11	0.14	0.13	0.07	---	0.15	0.14	0.13	0.10	0.15	---
19	0.15	0.11	0.14	0.13	0.06	---	0.15	0.14	0.12	0.10	0.15	---
20	0.15	0.11	0.14	0.14	0.06	---	0.15	0.14	0.12	0.11	0.14	---
21	0.15	0.12	0.14	0.14	0.05	---	0.15	0.14	0.12	0.11	0.13	---
22	0.14	0.12	0.13	0.14	0.05	---	0.15	0.14	---	0.11	0.13	---
23	0.14	0.12	0.13	0.14	0.04	---	0.14	0.14	0.12	0.12	0.13	---
24	0.14	0.12	0.12	0.14	0.04	---	0.14	0.14	0.12	0.12	0.13	---
25	0.14	0.12	0.12	0.14	0.04	---	0.14	0.14	0.12	---	---	---
26	0.14	0.13	0.12	0.14	0.04	---	0.14	0.14	0.12	0.12	---	---
27	0.14	0.13	0.12	0.13	0.04	---	0.14	0.14	0.12	0.11	---	---
28	0.15	0.13	0.12	0.14	0.05	---	0.14	0.14	0.12	0.11	---	---
29	0.14	0.13	0.12	0.14	0.05	---	0.14	0.14	0.12	0.11	---	---
30	0.14	0.14	0.12	0.13	---	0.09	0.14	0.14	0.12	0.11	---	0.05
31	0.14	---	0.12	0.13	---	---	---	0.14	---	0.11	---	---
MEAN	0.14	0.11	0.13	0.14	0.07	---	---	---	---	---	---	---
MAX	0.15	0.14	0.14	0.14	0.13	---	---	---	---	---	---	---
MIN	0.14	0.07	0.12	0.13	0.04	---	---	---	---	---	---	---

SALINITY, WATER BOTTOM, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.15	0.16	0.15	0.14	0.15	0.05	---	0.16	0.16	0.15	0.11	0.11
2	0.16	0.16	0.15	0.14	0.15	0.05	---	0.16	0.16	0.15	0.11	---
3	0.16	0.14	0.15	0.14	0.14	0.05	---	0.16	0.16	0.15	0.12	---
4	0.16	0.12	0.15	0.14	0.13	0.05	---	0.16	0.16	0.14	0.12	---
5	0.16	0.11	0.15	0.14	0.12	0.05	---	0.16	0.15	0.14	0.12	0.11
6	0.16	0.10	0.14	0.14	0.11	0.05	---	0.16	0.15	0.12	0.12	4.0
7	0.16	0.09	0.14	0.14	0.10	0.05	---	0.16	0.15	0.11	0.12	0.84
8	0.16	0.09	0.14	0.14	0.10	0.05	---	---	0.15	0.11	0.13	0.09
9	0.16	0.09	0.14	0.14	0.10	0.06	---	0.16	0.15	0.11	0.13	0.10
10	0.16	0.09	0.14	0.14	0.09	0.06	0.16	0.16	0.15	0.11	0.13	0.09
11	0.16	0.10	0.14	0.15	0.10	0.06	0.16	0.16	0.15	0.11	0.14	0.06
12	0.16	0.10	0.14	0.15	0.10	0.07	0.16	0.16	0.15	0.11	0.61	0.04
13	0.16	0.11	0.15	0.15	0.09	0.07	0.15	0.16	---	0.11	0.14	0.04
14	0.16	0.11	0.15	0.15	0.09	0.07	0.15	0.16	---	0.12	0.14	0.04
15	0.16	0.12	0.15	0.15	0.08	0.08	0.16	0.16	0.15	0.12	0.14	0.04
16	0.16	0.12	0.15	0.15	0.08	0.08	---	0.16	0.15	0.12	0.14	0.04
17	0.17	0.12	0.15	0.15	0.07	0.09	---	0.16	0.16	0.11	0.14	0.04
18	0.16	0.13	0.15	0.15	0.07	0.09	0.16	0.16	0.15	0.11	0.14	0.04
19	0.16	0.13	0.15	0.15	0.07	0.10	0.16	0.16	0.15	0.12	0.14	0.04
20	0.16	0.13	0.15	0.15	0.06	0.10	0.16	0.16	0.15	0.12	0.13	0.04
21	0.16	0.13	0.15	0.15	0.06	0.10	0.16	0.16	0.15	0.12	0.12	0.04
22	0.16	0.14	0.14	0.15	0.05	0.11	0.16	0.16	---	0.12	0.12	0.04
23	0.16	0.14	0.14	0.15	0.05	0.11	0.16	0.16	0.15	0.12	0.12	0.04
24	0.16	0.14	0.13	0.15	0.04	0.11	0.16	0.16	0.15	0.13	0.12	0.04
25	0.16	0.14	0.13	0.15	0.04	0.11	0.16	0.16	0.16	---	0.11	0.04
26	0.16	0.14	0.13	0.15	0.04	0.12	0.16	0.16	0.16	0.12	0.11	0.04
27	0.16	0.14	0.13	0.15	0.05	0.12	0.16	0.16	0.15	---	0.11	0.04
28	0.18	0.14	0.13	0.15	0.05	0.12	0.16	0.16	0.15	---	0.11	0.04
29	0.16	0.14	0.13	0.15	0.05	0.12	0.16	0.16	0.15	---	0.11	0.05
30	0.16	0.15	0.13	0.15	---	0.12	0.16	0.16	0.15	---	0.11	0.05
31	0.16	---	0.13	0.15	---	---	---	0.16	---	0.11	0.11	---
MEAN	0.16	0.12	0.14	0.15	0.08	---	---	---	---	---	0.14	---
MAX	0.18	0.16	0.15	0.15	0.15	---	---	---	---	---	0.61	---
MIN	0.15	0.09	0.13	0.14	0.04	---	---	---	---	---	0.11	---

02324000 STEINHATCHEE RIVER NEAR CROSS CITY, FL

LOCATION.--Lat 29° 47'11", long 83° 19'18", in NE$^1/_4$ sec. 16, T. 8 S., R. 10 E., Taylor County, Hydrologic Unit 03110102, on right bank 0.7 mi downstream from Atlantic Coast Line Railroad bridge, 0.7 mi south of Clara, 13 mi upstream from mouth, and 16 mi northwest of Cross City.

DRAINAGE AREA.--350 mi^2, approximately. See REMARKS.

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

REVISED RECORDS.--WSP 1234: 1950. WSP 1724: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 7.84 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Below about 500 ft^3/s, all flow enters sinkhole 0.5 mi downstream from gage. Above about 4,000 ft^3/s, discharge measurements are made along U.S. Highways 19, 98, and Alternate 27, measurements include all flow from about 3 mi northwest to 5 mi southwest of main channel, drainage area is increased by about 30 mi^2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	180	54	53	118	954	62	25	5.2	8.1	38	334
2	123	166	51	52	146	842	58	25	4.9	8.1	38	306
3	111	153	49	52	145	741	54	26	4.7	8.7	38	261
4	97	146	47	51	133	644	51	25	4.9	8.4	32	233
5	83	174	46	50	122	559	47	23	4.7	7.8	30	226
6	72	170	45	48	116	497	44	21	4.6	7.4	38	710
7	70	152	43	47	191	450	42	19	4.9	6.8	196	1,500
8	103	137	42	46	201	402	40	17	5.8	6.2	181	1,900
9	89	122	42	47	195	352	39	15	4.7	6.1	173	2,080
10	79	105	43	49	187	334	37	14	4.5	5.5	191	2,110
11	82	96	46	48	247	302	34	12	4.5	5.4	224	2,100
12	115	89	45	47	329	275	34	12	4.4	6.4	262	2,010
13	116	82	46	46	333	250	42	11	4.2	6.1	414	1,870
14	114	71	68	45	400	228	44	10	4.3	5.4	537	1,720
15	101	66	80	44	545	208	40	9.1	4.4	5.4	522	1,580
16	87	63	79	43	543	264	37	8.6	4.4	6.5	514	1,520
17	78	59	77	43	534	271	33	8.2	4.5	17	487	1,540
18	71	56	70	60	507	247	30	8.2	4.3	19	464	1,430
19	64	68	68	72	467	223	27	7.6	4.3	44	446	1,310
20	58	73	65	69	423	202	25	7.2	5.6	47	417	1,200
21	53	67	62	66	384	183	23	7.0	6.1	42	398	1,090
22	50	66	60	63	337	159	21	6.6	5.8	39	462	986
23	45	64	59	60	298	140	20	6.4	5.4	38	517	885
24	42	63	62	57	514	126	19	6.2	5.4	45	572	800
25	40	67	62	55	954	114	18	6.2	5.4	68	540	724
26	38	64	60	57	1,110	105	16	5.9	5.5	60	511	712
27	52	62	59	111	1,150	95	16	5.8	5.4	50	505	1,750
28	110	59	58	111	1,120	87	15	5.6	5.4	46	442	2,240
29	168	58	58	100	1,050	81	14	5.4	5.6	51	385	2,970
30	177	55	55	90	---	74	15	5.4	6.6	48	349	3,420
31	186	---	53	83	---	68	---	5.3	---	42	358	---
MEAN	90.1	95.1	56.6	60.2	441	306	33.2	11.9	5.01	24.7	332	1,384
MAX	186	180	80	111	1,150	954	62	26	6.6	68	572	3,420
MIN	38	55	42	43	116	68	14	5.3	4.2	5.4	30	226
IN.	0.30	0.30	0.19	0.20	1.36	1.01	0.11	0.04	0.02	0.08	1.09	4.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	279	124	183	317	462	498	324	117	117	303	499	498
MAX	1,436	1,291	998	1,186	2,266	2,022	1,443	972	925	1,305	2,496	3,820
(WY)	(1958)	(1952)	(1954)	(1998)	(1998)	(1991)	(1982)	(1978)	(1957)	(1964)	(1970)	(1964)
MIN	16.0	6.34	6.15	12.4	13.0	15.1	8.21	4.45	2.37	2.99	4.75	29.5
(WY)	(1956)	(2000)	(2002)	(2000)	(1957)	(2000)	(2000)	(2001)	(2000)	(2000)	(1998)	(1956)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL MEAN	460		234		311	
HIGHEST ANNUAL MEAN					901	1964
LOWEST ANNUAL MEAN					35.4	1956
HIGHEST DAILY MEAN	3,040	Mar 12	3,420	Sep 30	16,400	Sep 14, 1964
LOWEST DAILY MEAN	13	Jun 1	4.2	Jun 13	1.5	Jun 13, 2000
ANNUAL SEVEN-DAY MINIMUM	16	May 28	4.3	Jun 13	1.6	Jun 8, 2000
MAXIMUM PEAK FLOW			3,500	Sep 30	17,600	Sep 13, 1964
MAXIMUM PEAK STAGE			15.19	Sep 30	18.90	Sep 13, 1964
INSTANTANEOUS LOW FLOW			4.0	Jun 13	1.4	Jun 11, 2000
ANNUAL RUNOFF (INCHES)	17.85		9.10		12.06	
10 PERCENT EXCEEDS	1,060		549		852	
50 PERCENT EXCEEDS	196		62		111	
90 PERCENT EXCEEDS	47		5.8		13	

02324400 FENHOLLOWAY RIVER NEAR FOLEY, FL

LOCATION.--Lat 30° 05'53", long 83° 28'19", in NE$^1/_4$ sec. 36, T. 4 S., R. 8 E., Taylor County, Hydrologic Unit 03110102, near left bank at downstream side of bridge on U.S. Highway 27, 1.8 mi upstream from small tributary, 4 mi northeast of Foley, and 32 mi upstream from mouth.

DRAINAGE AREA.--60 mi^2, approximately.

PERIOD OF RECORD.--February to August 1955 (discharge measurements only); September 1955 to current year.

REVISED RECORDS.--WSP 1905: Drainage area: WDR FL-92-4: 1991.

GAGE.--Water-stage recorder. Datum of gage is 53.59 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	133	28	22	11	127	7.3	5.5	2.3	3.4	2.6	16
2	21	126	26	21	13	113	6.8	4.8	2.4	3.3	2.6	25
3	19	119	25	21	13	102	6.2	4.8	2.5	3.1	6.3	27
4	17	113	23	20	13	92	5.7	4.6	2.9	3.1	4.8	27
5	16	108	22	19	12	83	5.2	4.1	2.8	2.7	4.8	27
6	14	104	21	18	12	75	4.8	3.7	2.7	2.4	3.7	101
7	13	98	19	17	25	68	4.3	3.4	2.6	2.1	3.0	308
8	13	92	18	16	24	62	4.6	3.1	2.8	1.9	2.5	339
9	14	87	17	16	23	56	5.2	2.8	4.7	1.8	2.3	339
10	14	80	19	16	22	52	4.5	2.5	4.7	1.7	2.1	306
11	14	75	24	15	23	48	4.1	2.4	3.9	1.5	2.3	320
12	22	69	23	14	27	45	3.9	2.4	3.4	1.4	16	289
13	28	64	22	14	28	41	4.3	2.3	3.1	2.0	47	294
14	29	58	34	13	47	37	4.6	2.2	2.9	2.2	46	266
15	29	53	43	13	65	34	4.3	2.1	3.1	1.9	44	239
16	26	48	43	12	68	32	4.1	2.0	3.1	1.8	60	251
17	24	45	43	11	75	29	3.8	2.0	2.8	2.5	57	300
18	22	41	42	15	74	27	3.5	1.9	2.5	3.0	51	281
19	20	43	39	18	70	24	3.2	1.9	2.3	3.4	46	248
20	17	47	37	18	64	22	3.0	1.9	2.3	2.6	41	220
21	16	45	34	17	59	20	2.9	2.0	2.3	2.1	36	199
22	14	42	31	16	54	18	2.8	2.0	3.1	1.8	37	184
23	13	40	29	15	50	16	2.6	2.1	4.2	1.5	46	170
24	11	38	30	14	71	15	2.5	2.1	3.8	1.4	39	157
25	9.8	37	31	13	117	13	2.3	2.1	3.3	7.2	32	147
26	8.9	35	29	13	146	12	2.3	2.2	2.9	4.6	27	147
27	11	33	27	12	164	11	2.2	2.2	2.8	3.2	24	539
28	32	32	25	11	157	10	2.0	2.3	3.5	3.6	21	594
29	84	31	24	10	142	9.4	2.0	2.4	3.8	4.0	19	543
30	109	30	23	10	---	8.7	2.7	2.5	3.6	3.1	17	506
31	132	---	23	9.6	---	8.0	---	2.4	---	2.4	15	---
MEAN	27.0	65.5	28.2	15.1	57.6	42.3	3.92	2.73	3.10	2.67	24.5	247
MAX	132	133	43	22	164	127	7.3	5.5	4.7	7.2	60	594
MIN	8.9	30	17	9.6	11	8.0	2.0	1.9	2.3	1.4	2.1	16
IN.	0.52	1.22	0.54	0.29	1.03	0.81	0.07	0.05	0.06	0.05	0.47	4.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

MEAN	36.3	13.5	24.7	43.8	69.7	90.7	67.0	23.7	29.5	47.1	77.9	61.7
MAX	389	81.5	185	179	259	411	413	147	478	194	580	560
(WY)	(1958)	(1977)	(1977)	(1987)	(1998)	(2003)	(1973)	(1964)	(1957)	(1964)	(1970)	(1964)
MIN	0.53	0.70	0.58	0.52	0.47	1.17	0.50	0.31	0.32	0.36	0.50	0.64
(WY)	(1994)	(1969)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(1993)	(1993)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL MEAN	93.1		42.8		48.7	
HIGHEST ANNUAL MEAN					154	1964
LOWEST ANNUAL MEAN					3.90	2002
HIGHEST DAILY MEAN	907	Mar 10	594	Sep 28	2,710	Sep 12, 1964
LOWEST DAILY MEAN	2.3	Feb 3	1.4	Jul 12	0.20	Jun 16, 2000
ANNUAL SEVEN-DAY MINIMUM	2.6	Jan 31	1.8	Jul 7	0.21	Jun 10, 2000
MAXIMUM PEAK FLOW			635	Sep 27	3,210	Sep 12, 1964
MAXIMUM PEAK STAGE			11.89	Sep 27	15.21	Sep 12, 1964
INSTANTANEOUS LOW FLOW			1.3	Jul 12	0.20	Jun 11, 2000
ANNUAL RUNOFF (INCHES)	21.06		9.72		11.03	
10 PERCENT EXCEEDS	202		110		135	
50 PERCENT EXCEEDS	43		16		14	
90 PERCENT EXCEEDS	7.3		2.3		1.2	

02325000 FENHOLLOWAY RIVER NEAR PERRY, FL

LOCATION.--Lat 30° 04'16", long 83° 39'45", in $SE^1/_4$ sec. 6, T. 5 S., R. 7 E., Taylor County, Hydrologic Unit 03110102, near right bank on downstream side of old bridge at State Highway 356, 1.0 mi southwest of the community of Hampton Springs, 5.5 mi southwest of Perry and, 14 mi upstream from mouth.

DRAINAGE AREA.--160 mi^2, approximately.

PERIOD OF RECORD.--August 1946 to June 1952 (discharge measurements only); August 1952 to October 1954 (gage heights and discharge measurements only); November 1964 to July 1977 (crest-stage and periodic discharge measurements only); August 1977 to September 1984. May 1986 to current year.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. August 13, 1946 to October 1954, nonrecording gage at same site at datum 5.00 ft higher. November 1964 to July 1977, nonrecording gage at same site and datum.

REMARKS.--Records fair, except for estimated daily discharges which are poor. Natural flow of stream affected by large ground-water withdrawals by cellulose plant about 10 mi upstream. Flow affected by backwater from Spring Creek at times.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	425	175	142	111	344	112	121	66	83	67	112
2	157	422	170	141	113	338	105	105	66	81	68	132
3	136	409	165	139	112	331	107	104	67	e80	70	123
4	128	393	161	137	110	325	106	99	84	e76	68	125
5	123	373	160	135	100	304	102	95	96	73	73	122
6	118	358	154	134	104	284	100	90	82	e75	69	201
7	117	348	149	130	134	269	100	90	82	75	67	365
8	120	347	146	127	131	253	102	88	88	75	66	410
9	137	347	142	127	131	236	102	85	89	76	68	466
10	149	344	146	125	133	223	101	83	93	73	69	502
11	160	330	149	124	138	210	96	82	99	70	79	502
12	179	314	145	123	141	200	95	83	88	79	108	501
13	178	298	142	122	144	192	106	81	82	78	151	491
14	182	280	173	121	183	184	100	78	87	77	154	488
15	181	266	182	113	233	178	86	76	99	75	156	470
16	176	254	182	117	245	173	93	75	88	74	168	467
17	171	243	185	116	256	168	93	76	87	75	180	492
18	166	233	183	129	260	161	93	78	84	84	204	494
19	160	245	179	131	256	155	94	78	94	92	190	478
20	154	242	172	128	249	149	92	78	96	81	176	453
21	151	230	168	126	240	143	91	77	120	80	164	429
22	150	222	163	124	229	137	89	74	112	71	163	410
23	145	215	160	121	218	135	89	73	114	73	162	386
24	140	210	166	118	271	132	90	73	109	72	167	372
25	136	207	165	118	294	128	89	71	102	e74	157	e357
26	137	199	160	118	324	126	86	70	97	75	144	e381
27	156	192	156	117	353	124	84	66	91	74	134	484
28	240	188	152	112	364	123	79	69	98	73	127	e640
29	387	184	148	110	358	120	82	69	91	73	121	e695
30	373	177	146	109	---	117	100	69	78	70	115	e720
31	406	---	144	107	---	114	---	67	---	67	111	---
MEAN	177	283	161	124	205	196	95.5	81.4	91.0	75.9	123	409
MAX	406	425	185	142	364	344	112	121	120	92	204	720
MIN	117	177	142	107	100	114	79	66	66	67	66	112
IN.	1.28	1.98	1.16	0.89	1.38	1.41	0.67	0.59	0.63	0.55	0.89	2.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	166	140	143	175	223	275	239	149	138	184	225	187
MAX	451	283	369	476	495	699	652	316	317	475	492	409
(WY)	(1995)	(2004)	(1987)	(1987)	(1987)	(1991)	(1983)	(1983)	(1983)	(1984)	(1991)	(2004)
MIN	75.3	65.0	66.0	72.6	71.7	80.0	81.8	77.1	76.1	75.9	82.8	94.2
(WY)	(2002)	(2002)	(2002)	(2001)	(2001)	(2000)	(2000)	(2001)	(2001)	(2004)	(1993)	(1993)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL MEAN	272		168		187	
HIGHEST ANNUAL MEAN					317	1983
LOWEST ANNUAL MEAN					91.9	2000
HIGHEST DAILY MEAN	896	Mar 11	720	Sep 30	1,130	Jul 31, 1982
LOWEST DAILY MEAN	87	Jan 29	66	May 27	35	Oct 8, 1990
ANNUAL SEVEN-DAY MINIMUM	89	Jan 29	67	May 27	48	Oct 4, 1990
MAXIMUM PEAK FLOW			724	Sep 30	1,360	Sep 18, 1964
MAXIMUM PEAK STAGE			20.01	Sep 30	24.39	Sep 13, 1964
INSTANTANEOUS LOW FLOW			65	May 27	35	Oct 8, 1990
ANNUAL RUNOFF (INCHES)	23.10		14.27		15.92	
10 PERCENT EXCEEDS	455		350		349	
50 PERCENT EXCEEDS	224		130		142	
90 PERCENT EXCEEDS	117		75		89	

e Estimated

02326000 ECONFINA RIVER NEAR PERRY, FL

LOCATION.--Lat 30° 10'14", long 83° 49'26", in NE$^1/_4$ sec. 4, T. 4 S., R. 5 E., Taylor County, Hydrologic Unit 03110102, on downstream side of concrete bridge, 3.0 mi downstream from Natural Well Branch, 14 mi upstream from mouth, and 14.7 mi northwest of Perry.

DRAINAGE AREA.--198 mi^2.

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

REVISED RECORDS.--WSP 1905: Drainage area. WRD FL-02-4:2001.

GAGE.--Water-stage recorder. Datum of gage is 14.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	543	151	125	80	431	68	63	26	39	54	131
2	63	565	143	121	85	408	65	66	26	37	49	117
3	60	563	135	118	87	385	62	70	26	36	46	105
4	57	547	128	115	88	363	60	69	29	35	46	99
5	55	522	123	112	87	341	57	65	34	34	46	98
6	53	495	117	110	87	322	54	61	39	34	46	121
7	51	471	112	107	99	301	53	57	40	33	43	218
8	50	445	108	102	103	282	53	53	41	31	38	260
9	58	415	104	100	102	263	55	49	42	30	35	325
10	56	385	101	99	103	245	53	46	42	30	34	404
11	57	358	101	96	110	230	51	44	41	30	34	461
12	77	334	98	93	116	215	50	42	40	31	49	497
13	89	312	96	92	124	202	49	40	39	30	96	520
14	94	288	118	90	177	189	50	38	40	29	121	541
15	94	266	138	88	242	177	50	37	48	29	133	560
16	93	250	141	85	260	167	49	36	46	29	156	567
17	91	235	145	83	285	158	47	35	47	30	178	577
18	86	221	145	93	305	147	45	34	48	31	183	589
19	80	222	143	e105	307	137	44	33	48	37	186	601
20	75	219	139	e114	302	129	42	35	48	44	188	610
21	70	209	133	111	295	121	41	37	47	50	185	606
22	65	198	128	108	283	113	40	36	48	51	190	590
23	61	189	124	105	271	106	39	34	50	52	201	569
24	57	184	128	102	299	99	38	32	51	50	196	542
25	54	188	136	98	377	94	37	31	51	49	191	510
26	52	185	138	95	426	89	36	30	49	47	196	485
27	55	179	138	92	450	85	35	29	46	46	196	526
28	130	173	136	89	457	81	34	29	44	50	188	557
29	345	168	132	85	449	77	33	28	42	58	176	580
30	418	159	129	82	---	73	44	27	40	61	161	600
31	491	---	128	80	---	72	---	27	---	59	146	---
MEAN	103	316	127	99.8	223	197	47.8	42.4	41.9	39.7	122	432
MAX	491	565	151	125	457	431	68	70	51	61	201	610
MIN	50	159	96	80	80	72	33	27	26	29	34	98
IN.	0.60	1.78	0.74	0.58	1.21	1.15	0.27	0.25	0.24	0.23	0.71	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	112	67.9	96.7	136	214	254	211	83.7	87.0	109	169	144
MAX	816	316	771	624	813	880	1,176	379	432	381	756	1,266
(WY)	(1995)	(2004)	(1977)	(1987)	(1986)	(2003)	(1973)	(1964)	(1957)	(1958)	(1991)	(1957)
MIN	6.26	8.18	6.22	9.47	7.50	9.97	13.2	7.73	4.80	4.49	8.31	9.12
(WY)	(1994)	(1969)	(1991)	(1957)	(1957)	(1957)	(1955)	(1955)	(1955)	(1955)	(1993)	(1993)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL MEAN	246		148		140	
HIGHEST ANNUAL MEAN					317	1991
LOWEST ANNUAL MEAN					18.1	1955
HIGHEST DAILY MEAN	1,500	Mar 10	610	Sep 20	2,480	Sep 18, 1957
LOWEST DAILY MEAN	50	Oct 8	26	Jun 1	2.4	Jul 8, 1955
ANNUAL SEVEN-DAY MINIMUM	54	Oct 4	27	May 28	2.6	Jul 3, 1955
MAXIMUM PEAK FLOW			611	Sep 20	2,540	Sep 17, 1957
MAXIMUM PEAK STAGE			9.84	Sep 20	12.78	Sep 17, 1957
INSTANTANEOUS LOW FLOW			26	May 31	2.3	Jul 8, 1955
ANNUAL RUNOFF (INCHES)	16.87		10.20		9.60	
10 PERCENT EXCEEDS	500		410		365	
50 PERCENT EXCEEDS	173		94		60	
90 PERCENT EXCEEDS	73		35		18	

e Estimated

02326372 PALMER MILL BRANCH AT MONTICELLO, FL

LOCATION.--Lat 30° 23'37", long 83° 50'42", in SE$^1/_4$ sec. 29, T.2N., R.5E., Jefferson County, Hydrologic Unit 03110103, on right bank 10 ft upstream from culvert on U.S. Highway 90, 1.5 mi above mouth, and 1.5 mi east of Jefferson County Court house in Monticello.

DRAINAGE AREA.--0.48 mi^2.

PERIOD OF RECORD.--February 1983 to September 1984 (fragmentary), October 1985 to June 1987, prior to June 1987, maximum peak stage and discharge published only, May 1995 to September 1997 (fragmentary), October 1997 to September 2001, October 2002 to September 2003 (fragmentary), October 2003 to September 2004.

GAGE.--Water-stage recorder, crest-stage gage. Elevation of gage 110 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Continuous discharge data for water years 1996-2003 are published in Appendix at end of this report.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.49	0.59	0.59	0.68	0.82	1.0	0.78	0.81	2.9	0.74	0.78	0.54
2	0.52	0.59	0.61	0.68	0.58	0.97	0.78	0.86	1.1	0.74	0.85	0.57
3	0.50	0.67	0.63	0.68	0.50	0.95	0.78	0.97	0.79	0.78	0.79	0.57
4	0.53	1.0	0.70	0.77	0.50	0.99	0.78	0.74	2.6	0.78	0.75	0.81
5	0.50	0.69	0.75	0.81	0.51	0.99	0.78	0.69	1.7	0.77	0.71	1.7
6	0.50	0.68	0.78	0.88	3.3	0.99	0.78	0.68	0.90	0.77	0.70	25
7	0.82	0.68	0.78	0.88	0.94	0.96	0.80	0.67	1.8	0.75	0.68	2.8
8	0.51	0.71	0.78	0.96	0.78	0.97	0.85	0.65	5.9	2.5	0.68	0.98
9	0.57	0.68	0.78	1.1	0.78	1.0	0.78	0.68	1.3	0.77	0.70	0.78
10	0.60	0.73	1.3	0.79	0.88	0.99	0.78	0.92	0.85	0.73	1.5	1.7
11	2.9	0.78	0.68	0.78	0.83	0.99	0.78	0.89	0.75	0.67	10	0.93
12	1.6	0.78	0.70	0.78	1.5	0.99	0.78	0.80	1.2	0.66	5.9	0.89
13	0.84	0.78	0.78	0.83	2.9	0.97	0.88	0.69	0.75	2.5	1.2	1.4
14	0.78	0.78	1.9	0.88	6.7	0.96	0.78	0.67	0.86	0.82	0.88	0.95
15	0.78	0.82	0.66	0.88	1.4	0.99	0.78	0.68	2.7	0.79	0.66	0.87
16	0.79	0.86	0.59	0.89	1.0	0.99	0.78	0.68	0.86	0.92	1.2	1.4
17	0.76	0.83	1.0	0.95	0.99	0.99	0.76	0.67	0.74	3.5	0.64	0.83
18	0.68	0.80	0.68	1.1	0.95	0.99	0.73	0.68	0.68	1.6	0.56	0.78
19	0.72	1.5	0.68	0.78	0.88	0.99	0.73	0.76	0.68	0.84	0.54	0.78
20	0.81	0.57	0.76	0.78	0.89	0.99	0.74	0.73	0.68	0.75	0.52	0.78
21	0.85	0.59	0.78	0.78	0.88	0.99	0.73	0.67	0.68	0.71	1.1	0.79
22	0.79	0.67	0.78	0.78	0.88	0.99	0.71	0.65	3.1	0.72	1.2	0.78
23	0.78	0.68	0.79	0.79	1.4	0.99	0.70	0.63	1.0	0.68	1.00	0.78
24	0.85	1.4	1.1	0.88	3.4	0.99	0.72	0.66	0.80	0.82	0.63	0.78
25	0.88	0.52	0.59	0.89	2.0	0.99	0.70	0.68	1.1	0.76	0.59	0.78
26	1.3	0.54	0.59	3.0	1.4	0.95	0.72	0.67	0.83	0.70	0.59	1.2
27	0.88	0.59	0.59	0.74	1.0	0.88	0.82	0.67	0.90	1.2	0.59	7.7
28	3.8	1.4	0.59	0.56	0.99	0.88	0.68	0.65	0.79	0.74	0.61	0.90
29	0.84	0.59	0.59	0.50	0.99	0.88	0.68	0.64	0.74	0.76	0.65	0.75
30	0.64	0.59	0.78	0.54	---	0.88	4.9	0.65	0.74	0.75	0.68	0.73
31	0.59	---	0.68	0.53	---	0.83	---	2.2	---	0.82	1.2	---
TOTAL	28.40	23.09	23.99	26.87	40.57	29.91	26.99	23.69	40.42	31.04	39.08	60.25
MEAN	0.92	0.77	0.77	0.87	1.40	0.96	0.90	0.76	1.35	1.00	1.26	2.01
MAX	3.8	1.5	1.9	3.0	6.7	1.0	4.9	2.2	5.9	3.5	10	25
MIN	0.49	0.52	0.59	0.50	0.50	0.83	0.68	0.63	0.68	0.66	0.52	0.54
MED	0.78	0.68	0.70	0.79	0.95	0.99	0.78	0.68	0.86	0.77	0.70	0.82
AC-FT	56	46	48	53	80	59	54	47	80	62	78	120
CFSM	1.91	1.60	1.61	1.81	2.91	2.01	1.87	1.59	2.81	2.09	2.63	4.18
IN.	2.20	1.79	1.86	2.08	3.14	2.32	2.09	1.84	3.13	2.41	3.03	4.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2004, BY WATER YEAR (WY)

MEAN	0.96	0.96	1.00	0.98	1.18	1.30	1.07	0.89	1.05	1.46	1.67	1.18
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.93	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(2001)	(1997)	(1997)	(1998)
MIN	0.63	0.50	0.58	0.64	0.70	0.89	0.60	0.53	0.56	0.65	0.77	0.68
(WY)	(2000)	(1985)	(1985)	(2003)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)	(1999)	(1985)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1983 - 2004	
ANNUAL TOTAL	390.60		394.30			
ANNUAL MEAN	1.07		1.08		0.99	
HIGHEST ANNUAL MEAN					1.47	1998
LOWEST ANNUAL MEAN					0.76	2000
HIGHEST DAILY MEAN	11	Mar 7	25	Sep 6	27	Jun 12, 2001
LOWEST DAILY MEAN	0.49	Oct 1	0.49	Oct 1	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.51	Sep 29	0.55	Oct 1	0.00	May 26, 1983
MAXIMUM PEAK FLOW			192	Sep 6	241	Aug 21, 1997
MAXIMUM PEAK STAGE			7.27	Sep 6	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW			0.42	Oct 1	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	775		782		719	
ANNUAL RUNOFF (CFSM)	2.23		2.24		2.07	
ANNUAL RUNOFF (INCHES)	30.27		30.56		28.10	
10 PERCENT EXCEEDS	1.6		1.4		1.4	
50 PERCENT EXCEEDS	0.78		0.78		0.77	
90 PERCENT EXCEEDS	0.59		0.59		0.50	

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL

LOCATION.--Lat 30° 06'54", long 83° 58'47" in SW1/4 sec. 24, T. 4 S., R.4 E., Taylor County, Hydrologic Unit 03110103, on left bank approximately 400 ft below county boat ramp, and 2.6 mi upstream from mouth.

DRAINAGE AREA.-- 938.6 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 2001 to September 2002 (fragmentary). October 2002 to current year.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is not determined. May 4, 2001 to February 18, 2003, at site 600 ft downstream, at same datum.

REMARKS.--2003-2004 water year records poor. Flow affected by tide. Discharge computed from continuous velocity record obtained from water-current meter. Oct. 1, 2002 to Feb. 18, 2003 data from previous site; after Feb. 18, 2003 all data from present site.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e644	1,010	e1,510	4,160	2,010	1,750	1,670	763	554	1,060	920	1,110
2	e692	980	e2,050	e2,010	1,510	2,670	1,660	766	740	1,310	1,050	1,150
3	1,070	996	e1,670	e2,350	1,020	2,790	1,610	698	725	1,230	1,060	1,050
4	1,050	e984	e1,770	e2,760	1,150	3,000	1,490	692	680	1,310	1,040	1,020
5	949	905	e1,640	e2,440	2,080	3,090	1,480	704	888	1,230	1,030	1,100
6	1,070	1,790	e1,900	e2,430	726	3,030	1,290	747	950	1,170	1,100	1,120
7	1,150	1,100	e2,060	e2,580	1,850	2,770	1,300	650	1,220	1,130	1,130	1,120
8	1,050	1,070	e1,700	3,350	2,930	2,910	1,260	682	2,010	965	1,550	1,080
9	1,080	1,170	e1,470	2,300	1,330	3,450	1,460	656	2,250	947	1,610	953
10	913	e1,200	e1,670	1,340	584	4,260	1,550	584	2,240	879	1,600	848
11	1,050	1,100	e1,250	e2,600	1,530	4,660	1,410	499	2,280	880	1,500	661
12	1,030	960	e1,830	e2,780	1,730	4,610	1,510	509	2,170	780	1,500	692
13	1,070	1,320	e1,490	1,190	1,560	4,420	1,540	591	1,870	801	1,710	639
14	964	1,000	e1,160	2,110	1,150	4,090	1,490	607	1,700	760	1,560	606
15	900	1,030	e2,170	2,730	1,240	3,830	1,390	584	1,490	760	1,660	774
16	1,030	1,080	e1,410	1,060	2,050	3,710	1,390	400	1,320	583	1,960	1,220
17	1,030	1,050	e1,550	3,170	4,050	3,830	1,330	406	1,600	664	1,890	2,010
18	934	e1,320	450	3,330	e3,570	3,710	1,330	456	1,980	684	1,800	1,830
19	945	e1,530	38	2,830	e2,360	3,500	1,300	516	2,070	671	1,860	1,440
20	949	e1,330	3,050	2,590	e1,490	3,370	1,310	730	2,060	600	1,860	1,310
21	1,050	e1,630	1,540	2,280	1,050	3,250	1,210	1,050	1,840	548	1,840	1,260
22	1,090	e2,020	713	2,180	1,300	2,990	1,090	1,160	1,680	627	1,840	1,180
23	981	e1,820	486	3,390	990	2,730	1,090	1,760	1,600	708	1,780	937
24	1,030	e1,820	899	3,020	904	2,550	1,130	1,820	1,520	705	1,730	900
25	e967	e1,900	3,970	2,040	800	2,490	1,210	1,530	1,490	793	1,590	636
26	e2,000	e1,940	4,250	906	877	2,330	1,170	1,380	1,440	894	1,540	714
27	955	1,110	3,670	1,320	1,700	2,230	1,020	1,130	1,300	844	1,420	681
28	983	e1,890	4,190	e2,760	1,350	2,210	972	1,020	1,190	854	1,260	488
29	1,070	e1,950	3,760	e1,720	---	2,100	845	944	1,260	761	1,110	552
30	1,000	1,000	3,100	900	---	1,860	857	869	1,060	829	1,220	714
31	1,060	---	e1,440	1,500	---	1,640	---	775	---	826	1,140	---
MEAN	1,024	1,334	1,931	2,327	1,603	3,091	1,312	828	1,506	865	1,479	993
MAX	2,000	2,020	4,250	4,160	4,050	4,660	1,670	1,820	2,280	1,310	1,960	2,010
MIN	644	905	38	900	584	1,640	845	400	554	548	920	488

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	967	1,129	1,429	1,639	1,299	2,089	1,312	828	1,264	976	1,141	1,003
MAX	1,024	1,334	1,931	2,327	1,603	3,091	1,312	828	1,506	1,040	1,479	1,121
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2002)
MIN	910	925	927	950	994	1,087	1,312	828	962	865	918	893
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2003)	(2002)	(2003)	(2001)	(2001)

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL MEAN	1,526		1,526	
HIGHEST ANNUAL MEAN			1,526	2003
LOWEST ANNUAL MEAN			1,526	2003
HIGHEST DAILY MEAN	4,660	Mar 11	4,660	Mar 11, 2003
LOWEST DAILY MEAN	38	Dec 19	38	Dec 19, 2002
ANNUAL SEVEN-DAY MINIMUM	508	May 12	508	May 12, 2003
MAXIMUM PEAK FLOW	9,600	Jan 1	9,600	Jan 1, 2003
MAXIMUM PEAK STAGE	9.40	Jun 29	14.41	Oct 14, 2001
10 PERCENT EXCEEDS	2,780		2,780	
50 PERCENT EXCEEDS	1,260		1,260	
90 PERCENT EXCEEDS	692		692	

e Estimated

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2001 to current year.

REMARKS.--2003 water years temperature and salinity records poor. 2004 water year temperature and salinity records fair.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.9	23.5	15.0	14.2	14.1	16.3	16.6	21.6	24.3	24.8	24.5	25.7
2	27.6	21.7	14.5	14.6	14.5	16.6	15.8	22.0	24.7	24.4	24.6	25.6
3	26.9	20.3	14.4	---	14.5	15.7	15.8	22.2	24.4	24.3	24.8	25.4
4	26.3	19.8	14.7	---	14.8	15.1	16.7	22.6	24.2	24.1	24.8	25.2
5	26.0	20.5	15.5	---	14.8	15.5	17.2	22.9	23.7	24.3	24.7	24.8
6	26.1	21.0	15.6	---	14.8	16.6	18.3	23.1	23.8	24.6	24.8	24.7
7	26.2	20.4	15.4	---	14.6	17.3	19.2	23.5	23.7	25.0	24.6	24.2
8	26.7	20.3	15.0	12.4	14.3	17.5	19.6	23.8	23.8	25.2	24.7	24.0
9	26.4	20.2	14.8	12.3	13.8	17.7	19.6	23.9	24.1	25.5	24.6	24.1
10	26.1	20.4	14.7	12.9	13.7	18.0	18.2	24.2	24.2	25.7	24.9	23.9
11	26.7	21.6	14.8	---	14.0	18.3	17.1	24.6	24.6	25.8	25.1	23.9
12	27.3	21.9	15.1	---	14.2	18.6	16.6	24.7	25.0	26.0	24.9	23.9
13	28.1	21.4	15.2	12.3	14.2	19.1	16.7	24.2	25.1	25.6	24.7	23.9
14	28.8	20.6	15.3	12.0	14.1	19.7	17.3	23.9	25.2	25.2	25.0	24.2
15	27.9	19.9	15.1	12.1	14.5	19.9	18.1	23.7	25.4	25.1	25.3	24.2
16	26.2	18.9	14.5	12.0	15.4	19.8	18.6	23.9	25.4	25.3	25.1	24.2
17	24.6	18.0	14.0	12.2	16.0	20.0	19.1	24.4	24.7	25.5	25.2	24.4
18	22.8	17.3	14.0	12.0	---	20.4	19.6	25.0	24.1	25.5	25.0	24.7
19	22.1	16.7	14.7	11.6	---	20.7	20.0	25.0	23.9	25.2	24.7	25.1
20	21.6	16.6	15.8	11.6	15.0	21.2	20.5	24.4	23.8	25.4	24.8	25.3
21	22.0	17.0	16.1	12.3	15.9	21.4	20.6	24.0	23.9	25.4	24.9	25.2
22	22.7	17.5	15.9	13.3	16.5	21.2	21.1	23.5	24.3	24.9	24.8	25.5
23	23.3	17.5	15.8	13.8	16.1	20.7	20.7	22.8	24.5	24.4	24.7	24.3
24	23.3	17.2	16.0	12.6	15.6	20.1	20.3	22.9	24.8	24.3	24.8	24.3
25	23.2	16.8	16.1	11.5	15.9	19.5	19.9	23.3	24.8	24.3	25.3	24.1
26	23.2	16.9	14.9	10.8	16.5	19.2	20.0	23.6	24.9	24.4	25.7	23.9
27	23.4	17.2	13.6	11.0	16.9	19.1	19.9	23.9	24.9	24.5	26.0	24.1
28	24.1	17.2	13.2	11.3	17.0	19.0	20.1	23.7	24.8	25.0	26.1	24.3
29	24.6	16.4	13.1	11.5	---	19.3	20.7	23.5	24.6	25.2	26.1	23.5
30	25.0	15.9	13.1	12.2	---	18.9	21.3	23.6	24.6	24.8	25.9	22.6
31	24.9	---	13.3	13.3	---	17.8	---	24.4	---	24.8	25.7	---
MEAN	25.2	19.0	14.8	---	---	18.7	18.8	23.6	24.5	25.0	25.1	24.4
MAX	28.8	23.5	16.1	---	---	21.4	21.3	25.0	25.4	26.0	26.1	25.7
MIN	21.6	15.9	13.1	---	---	15.1	15.8	21.6	23.7	24.1	24.5	22.6

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL MEAN	1,526		1,526	
HIGHEST ANNUAL MEAN			1,526	2003
LOWEST ANNUAL MEAN			1,526	2003
HIGHEST DAILY MEAN	4,660	Mar 11	4,660	Mar 11, 2003
LOWEST DAILY MEAN	38	Dec 19	38	Dec 19, 2002
ANNUAL SEVEN-DAY MINIMUM	508	May 12	508	May 12, 2003
MAXIMUM PEAK FLOW	9,600	Jan 1	9,600	Jan 1, 2003
MAXIMUM PEAK STAGE	9.40	Jun 29	14.41	Oct 14, 2001
10 PERCENT EXCEEDS	2,780		2,780	
50 PERCENT EXCEEDS	1,260		1,260	
90 PERCENT EXCEEDS	692		692	

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.3	5.14	2.21	2.85	---	0.11	0.08	0.13	0.62	0.21	0.13	0.12
2	14.7	3.90	3.37	---	---	0.08	0.09	0.14	0.93	0.12	0.13	0.13
3	10.4	5.33	3.95	---	---	0.06	0.09	0.14	0.81	0.12	0.12	0.13
4	6.69	5.91	5.53	---	---	0.06	0.09	0.15	0.22	0.12	0.12	0.13
5	4.22	8.66	5.09	---	---	0.05	0.10	0.15	0.16	0.12	0.11	0.14
6	2.96	9.00	1.94	---	---	0.05	0.10	0.14	0.16	0.12	0.11	0.16
7	3.00	0.96	0.80	---	---	0.06	0.10	0.15	0.14	0.12	0.11	0.60
8	3.78	4.68	1.31	0.18	---	0.06	0.11	0.15	0.11	0.12	0.11	0.26
9	3.35	9.38	3.25	---	---	0.06	0.11	0.16	0.08	0.13	0.10	0.26
10	4.69	10.8	7.60	---	2.09	0.05	0.11	0.16	0.07	0.13	0.10	0.19
11	7.27	5.73	2.41	---	0.46	0.05	0.11	0.16	0.07	0.14	0.10	0.18
12	10.4	2.23	3.51	---	---	0.05	0.10	0.16	0.07	0.14	0.10	0.18
13	15.8	0.93	7.89	---	---	0.05	0.10	0.18	0.07	0.14	0.10	0.18
14	20.4	3.20	0.83	---	---	0.05	0.10	0.21	0.08	0.25	0.10	0.17
15	14.7	8.51	0.84	---	2.46	0.05	0.10	0.46	0.09	0.29	0.10	0.17
16	8.58	7.25	1.27	---	1.79	0.05	0.10	0.33	0.10	0.16	0.09	0.24
17	8.52	1.76	3.10	---	---	0.05	0.09	0.24	0.10	0.16	0.09	0.50
18	5.12	0.46	4.07	---	---	0.05	0.09	0.79	0.08	0.15	0.10	3.2
19	8.91	1.08	5.48	---	---	0.05	0.09	0.46	0.08	0.14	0.09	7.1
20	6.59	3.22	8.11	---	---	0.05	0.09	1.1	0.09	0.16	0.09	9.3
21	6.15	4.38	---	---	---	0.06	0.10	0.53	0.09	0.16	0.08	8.2
22	3.85	3.67	1.69	---	1.0	0.06	0.10	1.8	0.09	0.16	0.09	9.3
23	4.34	0.84	2.42	---	0.16	0.06	0.11	0.51	0.09	0.16	0.09	0.89
24	4.42	3.19	6.01	---	0.17	0.06	0.11	1.5	0.09	0.16	0.10	2.4
25	5.45	5.75	---	---	0.18	0.06	0.12	1.8	0.09	0.15	0.10	1.3
26	5.75	5.14	---	---	0.18	0.06	0.11	0.53	0.09	0.15	0.10	1.1
27	6.17	3.62	0.20	---	0.17	0.07	0.13	1.1	0.10	0.14	0.10	1.4
28	9.16	2.59	---	---	0.13	0.07	0.13	0.87	0.10	0.14	0.11	0.47
29	8.44	2.91	---	---	---	0.07	0.13	1.4	1.4	0.14	0.11	0.21
30	8.75	4.72	---	2.14	---	0.08	0.13	1.2	0.12	0.14	0.11	1.0
31	6.27	---	---	---	---	0.08	---	0.76	---	0.14	0.12	---
MEAN	7.8	4.5	---	---	---	0.06	0.10	0.57	0.21	0.15	0.10	1.7
MAX	20.4	10.8	---	---	---	0.11	0.13	1.8	1.4	0.29	0.13	9.3
MIN	3.0	0.46	---	---	---	0.05	0.08	0.13	0.07	0.12	0.08	0.12

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	995	1,190	2,100	1,700	1,470	1,740	779	716	630	597	708	446
2	949	1,590	1,620	1,600	1,440	1,720	991	728	673	576	599	498
3	987	1,470	1,490	1,530	1,450	1,620	996	527	562	632	501	444
4	778	1,610	1,600	1,400	1,220	1,590	977	453	525	521	510	588
5	1,130	1,190	1,390	1,290	1,200	1,490	843	507	539	457	558	e605
6	1,180	907	1,140	1,170	1,230	1,560	752	569	702	362	953	e837
7	1,050	815	858	579	895	1,450	769	576	519	393	1,130	1,580
8	994	680	1,160	1,220	619	1,310	667	580	807	974	1,160	1,280
9	824	795	1,100	1,080	686	1,250	710	650	1,080	1,380	765	1,310
10	778	671	1,430	906	1,030	1,180	702	825	1,090	1,260	808	1,420
11	942	1,160	893	936	1,150	1,200	647	1,080	1,150	1,270	594	1,400
12	749	941	1,360	1,280	1,610	1,190	471	955	1,070	945	1,170	1,420
13	735	970	1,060	1,390	974	1,090	925	1,100	909	934	912	1,440
14	789	1,050	1,450	1,340	1,460	1,370	488	1,070	890	944	978	1,510
15	821	1,200	1,780	1,380	1,560	1,380	441	701	678	809	1,020	1,490
16	1,380	1,210	1,550	1,100	1,350	1,250	1,110	620	674	944	994	2,170
17	1,300	1,160	1,920	974	1,480	961	902	710	651	849	e1,020	2,420
18	994	735	1,250	1,230	1,430	971	733	725	561	692	e918	1,910
19	804	1,640	1,010	1,030	1,520	933	739	669	580	889	e804	1,800
20	790	570	849	951	1,610	842	667	732	556	867	850	1,780
21	1,320	1,120	1,010	855	1,580	781	712	741	581	799	723	1,700
22	1,160	955	896	806	1,620	829	725	776	473	635	705	1,630
23	1,060	888	763	869	1,480	809	732	857	552	404	808	1,710
24	968	1,110	1,110	1,020	1,680	857	955	930	621	957	761	1,750
25	799	663	1,010	1,010	1,910	1,260	1,140	1,030	522	913	1,040	1,580
26	790	753	984	1,160	1,870	1,360	834	660	516	938	933	1,350
27	923	780	1,130	1,360	1,920	1,650	947	618	594	944	944	1,600
28	1,270	1,060	1,690	782	1,660	1,860	599	572	588	1,050	848	1,910
29	1,360	658	1,820	1,070	1,730	1,810	1,070	614	558	893	784	1,850
30	1,200	1,210	1,830	1,260	---	1,740	1,220	647	685	893	717	1,950
31	995	---	1,600	1,170	---	1,420	---	622	---	667	570	---
MEAN	994	1,025	1,318	1,143	1,408	1,306	808	728	685	819	832	1,446
MAX	1,380	1,640	2,100	1,700	1,920	1,860	1,220	1,100	1,150	1,380	1,170	2,420
MIN	735	570	763	579	619	781	441	453	473	362	501	444

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	976	1,095	1,392	1,474	1,336	1,828	1,060	778	1,119	936	1,063	1,113
MAX	1,024	1,334	1,931	2,327	1,603	3,091	1,312	828	1,506	1,040	1,479	1,446
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2001)	(2003)	(2004)
MIN	910	925	927	950	994	1,087	808	728	685	819	832	893
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2004)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL MEAN	1,446		1,041		1,283	
HIGHEST ANNUAL MEAN					1,526	2003
LOWEST ANNUAL MEAN					1,041	2004
HIGHEST DAILY MEAN	4,660	Mar 11	2,420	Sep 17	4,660	Mar 11, 2003
LOWEST DAILY MEAN	400	May 16	362	Jul 6	38	Dec 19, 2002
ANNUAL SEVEN-DAY MINIMUM	508	May 12	505	Jul 1	505	Jul 1, 2004
MAXIMUM PEAK FLOW			7,550	Sep 15	9,600	Jan 1, 2003
MAXIMUM PEAK STAGE			9.76	Sep 16	14.41	Oct 14, 2001
10 PERCENT EXCEEDS	2,630		1,610		2,050	
50 PERCENT EXCEEDS	1,210		969		1,090	
90 PERCENT EXCEEDS	692		580		623	

e Estimated

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 2001 to current year.

REMARKS.--2003 water years temperature and salinity records poor. 2004 water year temperature and salinity records fair.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.2	---	14.4	14.2	13.8	13.2	18.9	21.7	27.2	26.0	27.5	26.2
2	22.2	---	14.6	14.4	13.9	14.7	18.5	22.1	26.5	25.9	27.4	26.0
3	22.6	20.6	14.7	15.1	14.1	16.1	18.5	22.3	25.6	25.7	27.9	26.0
4	23.0	21.1	15.0	16.1	14.3	17.4	18.6	21.4	24.4	25.4	27.6	25.9
5	23.1	21.5	15.6	17.3	14.7	18.4	18.6	21.0	24.3	25.8	27.4	24.9
6	23.5	21.8	15.0	17.3	15.6	18.8	18.7	21.3	24.7	26.2	27.3	24.6
7	23.5	21.8	13.8	15.6	16.2	19.1	18.6	22.3	24.8	26.5	27.5	25.3
8	23.1	21.7	13.0	13.7	14.5	19.0	19.5	23.0	24.3	26.1	28.0	25.0
9	23.1	21.4	13.3	13.2	13.4	18.2	19.9	23.5	24.4	26.7	27.7	25.1
10	22.8	20.6	14.3	13.7	13.8	17.4	20.5	23.3	25.3	27.2	27.2	25.1
11	22.5	20.2	15.1	13.7	14.6	16.6	20.2	23.7	25.8	27.5	26.7	25.1
12	21.8	20.7	14.6	13.1	15.0	16.3	20.3	24.0	26.1	27.7	26.0	25.0
13	21.9	20.6	14.1	13.0	14.5	16.3	20.0	24.2	26.4	27.8	24.1	24.8
14	22.5	19.2	14.6	13.6	13.6	16.5	19.3	24.2	26.3	27.4	24.1	24.7
15	22.1	18.6	14.8	14.1	13.8	17.2	18.8	24.3	25.5	26.9	24.6	24.9
16	21.4	18.5	14.3	14.2	13.2	17.9	18.5	24.1	25.2	26.4	24.6	25.1
17	21.7	19.1	14.3	13.7	12.7	18.2	19.1	24.1	25.6	26.2	---	25.6
18	22.3	19.9	13.8	14.4	12.3	18.4	19.9	24.3	26.1	25.3	---	25.6
19	23.0	20.2	13.2	15.3	11.9	18.7	20.6	24.5	26.1	25.1	---	25.1
20	22.8	18.6	13.0	14.8	12.0	19.3	20.9	24.5	25.9	25.1	25.9	24.4
21	22.1	17.7	12.3	13.8	13.2	19.6	21.2	24.8	25.3	25.5	25.8	23.5
22	21.6	17.5	12.1	13.4	13.9	19.0	21.4	25.2	25.2	25.9	25.3	23.1
23	21.6	17.9	12.8	13.7	14.4	18.0	21.7	25.3	25.0	26.3	25.1	23.0
24	21.5	18.2	13.9	13.8	15.0	17.9	21.8	25.5	25.1	26.9	25.3	23.0
25	21.4	17.4	13.6	14.4	15.1	18.0	22.5	25.6	25.6	27.0	25.6	23.1
26	21.6	17.0	12.4	15.7	14.0	18.5	22.5	25.8	25.8	27.3	25.9	22.9
27	21.7	17.5	12.0	16.7	12.7	18.8	22.4	26.1	25.7	27.6	25.9	22.9
28	---	18.0	12.5	15.5	11.9	19.1	22.1	26.2	25.6	27.3	25.6	23.2
29	---	16.6	13.2	13.9	11.9	19.5	22.2	26.2	25.9	27.1	26.0	23.4
30	---	15.1	14.2	13.1	---	19.6	21.5	26.6	25.9	27.3	26.1	23.7
31	---	---	14.4	13.4	---	19.6	---	27.1	---	27.3	26.3	---
MEAN	---	---	13.8	14.4	13.8	17.9	20.2	24.1	25.5	26.5	---	24.5
MAX	---	---	15.6	17.3	16.2	19.6	22.5	27.1	27.2	27.8	---	26.2
MIN	---	---	12.0	13.0	11.9	13.2	18.5	21.0	24.3	25.1	---	22.9

02326550 AUCILLA RIVER NEAR MOUTH NEAR NUTALL RISE, FL—Continued

SALINITY, WATER, UNFILTERED, PARTS PER THOUSAND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	0.17	1.1	4.4	3.4	0.08	0.18	0.33	1.6	1.4	2.7	0.19
2	5.3	0.23	1.2	5.9	3.1	0.08	0.20	0.78	1.8	1.3	0.95	0.16
3	10.2	0.99	5.1	4.3	1.8	0.08	0.24	0.23	1.8	1.3	1.4	0.17
4	14.1	3.9	8.4	4.0	2.5	0.09	0.22	0.28	0.45	0.60	0.38	0.18
5	9.5	0.81	3.4	2.7	2.9	0.09	0.59	0.31	0.87	0.61	0.55	0.19
6	8.5	0.16	0.44	1.2	4.1	0.09	0.73	0.68	0.22	0.22	0.62	6.8
7	6.3	0.16	0.57	0.25	0.23	0.10	1.5	0.96	0.21	0.25	4.1	6.7
8	2.8	0.17	2.4	0.54	0.24	0.10	1.3	1.4	0.22	0.29	10.3	0.13
9	2.9	0.18	4.3	4.7	0.21	0.11	1.0	0.48	0.29	2.0	13.4	0.11
10	2.0	0.19	6.2	0.49	0.19	0.12	0.37	0.91	0.60	3.8	13.3	0.10
11	2.9	0.20	0.24	0.27	0.30	0.12	1.2	0.83	0.80	3.6	9.8	0.09
12	0.50	2.1	1.9	1.4	0.73	0.12	1.6	3.3	0.71	3.8	8.2	0.08
13	0.68	2.4	7.0	3.5	0.18	0.12	0.27	3.0	1.1	3.8	0.21	0.08
14	1.7	0.19	6.3	4.3	0.17	0.13	0.25	2.2	1.8	2.3	0.21	0.08
15	0.24	5.5	0.47	4.1	0.12	0.39	0.27	1.7	0.48	2.1	0.18	4.2
16	1.5	7.2	5.3	5.2	0.11	0.17	0.39	0.84	0.23	1.6	0.16	1.9
17	8.4	8.0	0.49	8.0	0.10	0.14	1.5	1.4	0.67	2.2	---	0.10
18	11.0	8.5	0.28	4.9	0.09	0.14	1.2	1.4	0.37	1.4	---	0.07
19	14.6	5.9	0.27	1.1	0.08	0.15	1.0	1.9	0.42	1.1	---	0.07
20	14.7	0.26	0.24	0.28	0.08	0.15	0.51	2.5	0.25	0.25	0.13	0.07
21	10.2	1.5	1.3	0.84	0.08	0.15	1.3	1.6	0.32	0.21	0.13	0.07
22	4.8	1.4	2.3	2.3	0.08	0.17	0.82	2.0	0.23	0.20	0.15	0.06
23	3.5	1.8	2.8	0.60	0.09	0.18	0.33	1.8	0.22	0.18	0.15	0.06
24	4.2	2.4	2.9	1.7	0.09	0.17	1.3	1.8	0.21	0.79	0.15	0.06
25	2.6	0.22	0.34	2.3	0.09	1.9	0.62	0.49	0.20	1.7	0.17	0.06
26	3.1	1.8	0.24	2.0	0.08	1.7	0.82	0.77	0.21	2.1	1.5	0.07
27	3.0	2.1	0.43	0.71	0.08	0.82	2.7	1.1	0.21	2.8	1.4	0.07
28	2.9	3.0	2.4	0.26	0.08	0.58	2.8	1.2	0.22	2.5	0.74	0.07
29	0.16	0.25	4.4	2.2	0.08	0.67	6.6	0.96	1.1	2.9	0.64	0.07
30	0.17	0.31	2.6	7.5	---	0.39	2.8	1.4	0.88	3.8	0.33	0.07
31	0.16	---	4.3	7.6	---	0.30	---	1.4	---	2.9	0.22	---
MEAN	5.0	2.1	2.6	2.9	0.74	0.31	1.2	1.3	0.62	1.7	---	0.74
MAX	14.7	8.5	8.4	8.0	4.1	1.9	6.6	3.3	1.8	3.8	---	6.8
MIN	0.16	0.16	0.24	0.25	0.08	0.08	0.18	0.23	0.20	0.18	---	0.06

02326900 ST. MARKS RIVER NEAR NEWPORT, FL

LOCATION.--Lat 30° 16'22", long 84° 08'92", in NE$^1/_4$ sec. 32, T. 2 S., R. 2 E., Wakulla County, Hydrologic Unit 03120001, on right bank 0.5 mi downstream from Rhodes Springs, 6.4 mi north of Newport, 11.4 mi upstream from Wakulla River, and 14.4 mi upstream from mouth.

DRAINAGE AREA.--535 mi^2 including 240 mi^2 of Lake Miccosukee, which contributes at high stages to the St. Marks River.

PERIOD OF RECORD.--October 1956 to September 1976. October 1976 to September 1977 (gage heights only); October 1977 to September 1990; October 1990 to September 1991 (gage heights and peak discharge only); October 1991 to September 1994; July 1996 to current year.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.53 ft above National Geodetic Vertical Datum of 1929. Prior to July 1, 2004, at site 0.4 mi downstream at same datum.

REMARKS.--No estimated daily discharge. Records poor. Maximum gage height at new site, 7.02 ft, July 18.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	607	648	527	499	549	859	630	682	663	866	697	729
2	602	622	522	496	550	817	630	681	707	888	681	716
3	597	598	517	496	552	786	629	700	734	877	677	700
4	594	586	515	496	554	763	626	698	754	860	681	689
5	591	580	514	496	556	747	623	692	754	852	680	684
6	588	572	511	496	570	736	622	687	743	842	665	743
7	586	565	510	492	614	728	620	682	747	830	656	892
8	584	559	507	489	619	713	626	677	824	817	645	889
9	582	554	506	490	648	705	626	673	806	816	640	931
10	580	549	509	492	673	692	626	670	795	807	639	971
11	594	545	507	492	661	683	626	666	803	793	651	924
12	625	542	505	492	653	675	629	664	825	775	714	861
13	622	536	503	492	666	666	635	664	808	769	758	831
14	620	530	512	492	811	659	633	664	846	777	792	847
15	613	528	514	492	971	655	630	662	937	769	789	850
16	605	525	514	492	1,050	654	630	657	913	828	776	901
17	597	524	514	492	1,150	650	630	654	917	1,030	780	912
18	589	524	513	501	1,050	646	627	655	891	1,050	788	888
19	581	539	510	503	926	643	627	655	896	1,060	763	882
20	574	529	507	502	846	642	628	666	909	1,040	743	869
21	572	525	504	501	789	638	627	664	912	981	733	829
22	567	524	503	499	745	633	630	664	903	895	744	788
23	562	524	502	499	714	630	630	663	899	835	787	753
24	557	525	509	499	765	627	628	662	889	795	802	724
25	553	525	510	500	859	626	630	659	883	769	787	700
26	558	523	508	506	899	623	628	658	913	750	770	683
27	565	521	503	515	932	622	630	655	882	730	751	738
28	614	532	499	521	936	622	633	652	868	730	732	763
29	659	537	499	539	903	622	634	651	877	729	719	764
30	645	530	499	556	---	628	678	651	873	719	748	807
31	648	---	499	553	---	635	---	650	---	712	743	---
MEAN	595	547	509	503	766	678	630	667	839	838	727	809
MAX	659	648	527	556	1,150	859	678	700	937	1,060	802	971
MIN	553	521	499	489	549	622	620	650	663	712	639	683
IN.	1.28	1.14	1.10	1.08	1.54	1.46	1.31	1.44	1.75	1.81	1.57	1.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	638	539	568	616	724	880	831	665	685	719	774	733
MAX	1,375	976	1,470	1,360	1,680	2,520	2,760	1,474	1,465	1,440	2,220	1,563
(WY)	(1958)	(1960)	(1965)	(1987)	(1986)	(1991)	(1973)	(1965)	(1965)	(1994)	(1994)	(1957)
MIN	282	263	280	345	335	338	378	371	355	360	370	336
(WY)	(2002)	(2002)	(2002)	(1957)	(1957)	(1957)	(1968)	(1968)	(1968)	(1968)	(1968)	(1968)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL MEAN	748		675		699	
HIGHEST ANNUAL MEAN					1,148	1994
LOWEST ANNUAL MEAN					403	1968
HIGHEST DAILY MEAN	2,620	Mar 10	1,150	Feb 17	4,700	Apr 6, 1973
LOWEST DAILY MEAN	294	Feb 3	489	Jan 8	251	Oct 23, 2001
ANNUAL SEVEN-DAY MINIMUM	298	Jan 31	491	Jan 7	253	Nov 15, 2001
MAXIMUM PEAK FLOW			1,160	Feb 17	4,750	Apr 7, 1973
MAXIMUM PEAK STAGE			6.24	Feb 17	11.81	Apr 7, 1973
INSTANTANEOUS LOW FLOW			489	Jan 7	249	Oct 22, 2001
ANNUAL RUNOFF (INCHES)	18.99		17.17		17.74	
10 PERCENT EXCEEDS	1,250		882		1,060	
50 PERCENT EXCEEDS	624		652		622	
90 PERCENT EXCEEDS	373		506		400	

02327033 LOST CREEK AT ARRAN, FL

LOCATION.--Lat 30° 11'17", long 84° 24'30", in SE$^1/_4$ sec. 26, T. 3 S., R. 2 W., Wakulla County, Hydrologic Unit 03120001, on downstream side of bridge on State Highway 368, and 0.5 mi east of Arran.

DRAINAGE AREA.--70.4 mi^2.

PERIOD OF RECORD.--October 1928 to May 1981, miscellaneous discharge measurements only; October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is not determined.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	139	54	34	165	358	11	167	11	461	e90	86
2	23	109	46	32	141	279	17	159	15	484	e70	112
3	15	82	40	29	125	223	16	116	17	441	49	159
4	12	60	35	27	111	184	14	91	17	448	61	99
5	7.5	47	31	26	97	157	10	68	16	459	62	66
6	6.3	41	28	27	87	137	6.0	50	17	351	133	86
7	3.5	34	25	24	170	120	6.3	41	25	282	155	242
8	5.7	33	23	22	279	105	6.1	28	33	238	100	352
9	30	29	21	20	266	90	4.5	22	30	220	65	287
10	25	26	20	19	225	76	3.3	16	56	215	48	238
11	26	22	23	20	204	64	3.0	14	59	233	44	208
12	84	19	34	20	191	55	2.7	12	49	206	71	175
13	172	17	40	19	206	48	3.9	3.7	41	176	180	145
14	163	15	48	19	332	39	4.8	8.0	64	179	268	132
15	137	13	64	17	783	34	3.9	11	229	151	227	111
16	110	11	75	16	1,030	27	3.4	8.1	750	133	222	170
17	78	10	72	15	804	26	3.0	5.3	1,200	118	171	450
18	59	7.6	67	17	553	22	2.6	4.3	1,170	137	162	541
19	46	17	61	20	411	20	1.5	4.0	1,050	151	180	429
20	38	33	51	21	311	19	0.48	15	827	136	167	351
21	33	46	44	21	242	17	0.34	40	910	142	141	242
22	29	44	38	21	196	15	0.07	38	699	121	141	196
23	23	39	35	18	165	14	0.01	30	534	106	134	146
24	20	41	35	17	222	12	0.01	22	410	e80	150	115
25	19	66	38	17	437	10	0.00	21	330	e90	152	90
26	19	85	42	16	626	8.4	0.00	18	239	e100	138	73
27	23	81	41	132	663	8.6	0.00	8.1	390	e85	112	90
28	41	78	38	310	570	8.2	0.00	5.6	569	e70	85	129
29	126	75	35	308	456	4.6	0.00	5.3	527	e90	64	141
30	174	64	33	262	---	9.3	47	5.4	500	e95	60	130
31	162	---	34	207	---	9.7	---	14	---	e105	99	---
MEAN	56.1	46.1	41.0	57.2	347	71.0	5.70	33.9	359	203	123	193
MAX	174	139	75	310	1,030	358	47	167	1,200	484	268	541
MIN	3.5	7.6	20	15	87	4.6	0.00	3.7	11	70	44	66
IN.	0.92	0.73	0.67	0.94	5.32	1.16	0.09	0.56	5.70	3.33	2.01	3.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	110	46.5	44.3	72.2	114	292	30.9	9.62	149	121	222	229
MAX	277	166	168	148	347	831	82.9	33.9	359	203	652	596
(WY)	(1999)	(2003)	(2003)	(2003)	(2004)	(2003)	(2001)	(2004)	(2004)	(2004)	(2001)	(2000)
MIN	33.8	2.67	2.56	32.8	31.9	32.1	4.11	1.52	1.27	1.20	10.5	50.7
(WY)	(2002)	(1999)	(1999)	(2000)	(2000)	(2000)	(1999)	(2000)	(2000)	(2000)	(2000)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	177		127		120	
HIGHEST ANNUAL MEAN					206	2003
LOWEST ANNUAL MEAN					57.0	1999
HIGHEST DAILY MEAN	2,590	Mar 10	1,200	Jun 17	3,960	Sep 23, 2000
LOWEST DAILY MEAN	2.9	May 19	0.00	Apr 25	0.00	Apr 25, 2004
ANNUAL SEVEN-DAY MINIMUM	4.6	May 13	0.00	Apr 23	0.00	Apr 23, 2004
MAXIMUM PEAK FLOW			1,240	Jun 17	4,170	Sep 23, 2000
MAXIMUM PEAK STAGE			11.88	Jun 17	18.19	Sep 23, 2000
INSTANTANEOUS LOW FLOW			0.00	Oct 7	0.00	Oct 7, 2003
ANNUAL RUNOFF (INCHES)	34.07		24.48		23.19	
10 PERCENT EXCEEDS	420		331		269	
50 PERCENT EXCEEDS	64		56		35	
90 PERCENT EXCEEDS	15		7.6		2.4	

e Estimated

02327100 SOPCHOPPY RIVER NEAR SOPCHOPPY, FL
(Hydrologic bench-mark station)

LOCATION.--Lat 30° 07'45", long 84° 29'40", in NW$^1/_4$ sec. 24, T. 4 S., R. 3 W., Wakulla County, Hydrologic Unit 03120003, Apalachicola National Forest, near left bank on downstream side of bridge on U.S. Forest Road 343, 4.7 mi north of Sopchoppy, 5.2 mi upstream from Duval Branch, and 24 mi upstream from mouth.

DRAINAGE AREA.--102 mi^2.

PERIOD OF RECORD.--Water years 1961-64 (annual maximum); June 1964 to current year.

REVISED RECORDS.--WSP 1905, WRD FL-76-4: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Jan. 27, 1961 to June 3, 1964, nonrecording gage and crest-stage gage at same site at datum 9.63 ft higher.

REMARKS.--Records fair, except for estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	69	53	45	214	e560	e5.5	126	6.7	505	119	150
2	13	60	45	42	193	e420	e5.0	167	8.5	542	96	192
3	11	51	39	39	176	e330	e4.5	157	9.7	499	74	179
4	9.4	43	34	36	151	e280	e4.0	122	16	422	58	147
5	7.9	37	32	33	136	e230	e3.4	90	24	361	63	119
6	6.8	32	29	31	123	e190	3.5	67	23	366	61	207
7	5.9	27	25	e29	210	e160	3.6	50	20	510	48	463
8	5.4	23	23	e26	292	e130	4.1	37	21	463	37	467
9	5.0	20	20	24	318	e105	4.1	27	33	455	30	398
10	5.2	17	20	25	297	e85	3.9	20	47	386	28	348
11	9.4	14	29	26	284	e70	3.9	16	65	337	44	346
12	25	13	38	24	289	e55	4.2	13	73	284	121	327
13	45	12	40	23	297	e50	5.7	11	65	235	288	293
14	64	10	52	21	542	e40	5.4	9.4	51	229	333	250
15	67	9.7	75	20	937	e35	5.9	8.3	105	211	263	215
16	62	8.6	82	19	1,130	e30	5.6	7.5	519	240	495	657
17	54	7.9	80	18	1,020	e25	5.4	6.9	1,240	233	420	1,040
18	46	7.1	75	22	787	e20	5.1	6.7	1,350	226	292	954
19	38	16	69	29	603	e18	4.7	8.1	1,200	253	216	735
20	30	27	61	32	474	e15	4.4	15	1,020	262	164	539
21	24	34	54	31	383	e14	4.1	13	1,310	222	141	393
22	20	30	48	28	302	e12	3.9	12	1,060	e160	241	298
23	16	25	44	25	249	e11	3.8	13	784	100	270	233
24	13	33	48	22	409	e9.5	3.6	11	641	87	287	186
25	11	67	55	21	881	e11	3.4	9.7	506	93	230	148
26	9.6	70	55	19	1,090	e9.0	3.5	8.6	382	113	180	118
27	11	66	53	117	1,040	e8.0	3.4	8.0	491	106	143	162
28	27	67	49	296	e855	e7.0	3.2	7.4	e530	96	116	218
29	77	71	45	322	e680	e6.5	3.2	6.8	e565	116	93	209
30	82	62	44	292	---	e6.2	19	6.5	604	123	107	186
31	78	---	46	249	---	e6.0	---	6.4	---	126	175	---
MEAN	28.9	34.3	47.2	64.1	495	95.1	4.77	34.4	426	270	169	339
MAX	82	71	82	322	1,130	560	19	167	1,350	542	495	1,040
MIN	5.0	7.1	20	18	123	6.0	3.2	6.4	6.7	87	28	118
MED	16	29	46	28	318	30	4.1	12	243	235	141	241
IN.	0.33	0.38	0.53	0.72	5.24	1.08	0.05	0.39	4.66	3.05	1.91	3.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	114	61.3	141	244	286	329	164	59.8	154	246	306	230
MAX	783	470	843	849	753	1,137	1,065	424	535	763	1,005	1,084
(WY)	(1995)	(1986)	(1965)	(1991)	(1986)	(2003)	(1973)	(1991)	(2003)	(1975)	(1994)	(2000)
MIN	1.86	1.58	2.87	11.1	22.4	27.6	4.77	1.70	1.31	3.06	6.14	4.76
(WY)	(1994)	(1991)	(1992)	(1985)	(1989)	(2000)	(2004)	(1992)	(2000)	(1977)	(1990)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL MEAN	253		165		193	
HIGHEST ANNUAL MEAN					334	1991
LOWEST ANNUAL MEAN					43.4	1968
HIGHEST DAILY MEAN	3,810	Mar 10	1,350	Jun 18	6,610	Sep 23, 2000
LOWEST DAILY MEAN	2.9	May 21	3.2	Apr 28	0.69	Jul 7, 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	May 15	3.4	Apr 23	0.79	Jul 2, 2000
MAXIMUM PEAK FLOW			1,410	Jun 18	7,100	Sep 23, 2000
MAXIMUM PEAK STAGE			21.91	Jun 18	34.47	Jul 31, 1975
INSTANTANEOUS LOW FLOW			3.0	Apr 29	0.63	Jul 7, 2000
ANNUAL RUNOFF (INCHES)	33.73		22.04		25.77	
10 PERCENT EXCEEDS	628		479		511	
50 PERCENT EXCEEDS	72		53		61	
90 PERCENT EXCEEDS	10		6.5		3.3	

e Estimated

02328522 OCHLOCKONEE RIVER NEAR CONCORD, FL

LOCATION.--Lat 30° 40'08", long 84° 18'19", in SW$^1/_4$ sec. 11, T. 3 N., R. 1 W., Gadsden County, Hydrologic Unit 03120003, near center of stream on downstream side of bridge on State Highway 12, and 3.7 mi east of Concord.

DRAINAGE AREA.--1002 mi^2.

PERIOD OF RECORD.--November 1920 to October 1990 (miscellaneous discharge measurements), October 1998 to current year.

GAGE.--Water-stage recorder. Datum of the gage is not determined.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	396	778	407	422	1,480	1,990	338	183	90	2,100	419	231
2	388	790	373	426	1,590	1,940	335	305	121	2,450	402	210
3	350	779	345	418	1,640	1,840	319	386	146	2,210	352	191
4	308	747	323	405	1,610	1,710	309	442	157	1,870	299	179
5	275	692	304	389	1,500	1,570	296	530	167	1,680	257	167
6	249	617	292	377	1,370	1,420	279	654	150	1,550	219	203
7	233	546	283	371	1,290	1,280	261	783	126	1,470	190	854
8	262	479	274	369	1,390	1,160	248	850	124	1,380	172	1,380
9	266	421	265	362	1,630	1,070	238	779	172	1,260	156	2,100
10	256	378	268	354	1,790	986	246	611	195	1,070	153	2,740
11	261	347	278	352	1,970	919	250	443	186	866	269	3,320
12	304	322	304	358	2,290	857	253	331	180	668	363	3,520
13	416	301	319	359	2,530	796	271	268	194	525	429	3,100
14	515	284	346	357	2,970	735	299	230	207	447	427	2,510
15	517	267	430	353	3,570	687	325	201	297	401	416	2,010
16	465	251	547	347	4,720	645	318	180	470	436	402	1,840
17	403	235	594	340	5,980	615	298	165	621	412	378	1,850
18	356	225	608	337	6,970	594	277	155	787	369	375	1,840
19	319	236	620	349	6,270	575	254	148	995	366	433	1,800
20	289	293	618	389	4,830	555	232	139	1,180	380	525	1,740
21	265	388	589	396	3,650	534	214	137	1,260	427	666	1,680
22	244	408	550	388	2,780	508	198	137	1,170	545	691	1,590
23	226	397	509	375	2,130	481	183	133	958	785	595	1,430
24	209	388	479	360	1,900	453	171	125	783	1,090	489	1,230
25	195	411	461	340	1,860	424	160	118	667	1,240	450	1,020
26	188	477	458	330	1,960	399	150	112	691	1,130	445	838
27	198	500	447	429	2,010	377	141	105	959	884	421	808
28	260	483	430	685	2,020	363	136	97	1,340	644	367	1,010
29	416	459	414	990	2,000	349	141	91	1,580	490	312	1,410
30	612	432	402	1,190	---	339	146	85	1,770	439	273	1,930
31	737	---	399	1,330	---	332	---	82	---	419	246	---
MEAN	335	444	417	460	2,679	855	243	290	591	968	374	1,491
MAX	737	790	620	1,330	6,970	1,990	338	850	1,770	2,450	691	3,520
MIN	188	225	265	330	1,290	332	136	82	90	366	153	167
IN.	0.39	0.49	0.48	0.53	2.88	0.98	0.27	0.33	0.66	1.11	0.43	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	564	411	310	537	945	2,064	734	187	449	768	714	611
MAX	2,357	1,571	859	1,042	2,679	6,133	1,514	486	1,163	1,894	2,602	1,491
(WY)	(1999)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	86.3	52.3	69.0	176	243	677	178	67.8	35.7	40.1	30.0	80.4
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(1999)	(1999)	(1999)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	1,508		753		691	
HIGHEST ANNUAL MEAN					1,637	2003
LOWEST ANNUAL MEAN					245	2002
HIGHEST DAILY MEAN	11,400	Mar 11	6,970	Feb 18	11,500	Oct 2, 1998
LOWEST DAILY MEAN	188	Oct 26	82	May 31	14	Aug 29, 2000
ANNUAL SEVEN-DAY MINIMUM	217	Oct 22	95	May 26	15	Aug 26, 2000
MAXIMUM PEAK FLOW			7,120	Feb 18	11,700	Mar 10, 2003
MAXIMUM PEAK STAGE			37.30	Feb 18	39.79	Mar 10, 2003
INSTANTANEOUS LOW FLOW			80	May 31	14	Aug 29, 2000
ANNUAL RUNOFF (INCHES)	20.44		10.23		9.37	
10 PERCENT EXCEEDS	3,410		1,840		1,640	
50 PERCENT EXCEEDS	942		415		312	
90 PERCENT EXCEEDS	275		180		54	

02329000 OCHLOCKONEE RIVER NEAR HAVANA, FL

LOCATION.--Lat 30° 33'14", long 84° 23'03", in SE$^1/_4$ sec. 24,T.2N.,R.2W., Leon County, Hydrologic Unit 03120003, near center of downstream side of downstream bridge on divided U.S. Highway 27, 0.8 mi upstream from Seaboard Air Line Railroad bridge, 4.0 mi downstream from Mill Creek, 5.0 mi southeast of Havana, and 94 mi upstream from mouth.

DRAINAGE AREA.--1,140 mi^2, approximately. At site used prior to January 1929, 1,220 mi^2, approximately.

PERIOD OF RECORD.--June 1926 to current year. June 1926 to December 1929 (published as "at Ochlockonee"). Records published for both sites December 1928 to December 1929.

REVISED RECORDS.--WSP 822: 1929 (M). WSP 1504: 1928. WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 59.36 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1930, nonrecording gage at site about 10 mi downstream at datum 9.36 ft lower. Dec. 12, 1928, to Nov. 17, 1963, nonrecording gage at site 100 ft upstream at present datum. Nov. 18, 1963 to Nov. 15, 1976, nonrecording gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	692	443	428	1,230	2,330	389	213	97	1,530	413	257
2	344	736	411	448	1,400	2,310	379	225	107	1,820	404	238
3	334	749	378	454	1,550	2,250	369	310	132	2,080	383	211
4	303	752	357	442	1,660	2,150	356	372	164	2,130	342	190
5	265	741	338	428	1,690	2,010	342	421	169	1,970	296	177
6	234	700	321	408	1,660	1,850	328	487	171	1,730	254	206
7	210	645	308	390	1,660	1,640	312	574	158	1,510	215	486
8	199	582	299	381	1,440	1,440	301	666	140	1,410	190	773
9	211	504	292	381	1,440	1,300	286	723	140	1,390	171	1,050
10	214	437	303	375	1,660	1,190	274	698	212	1,220	161	1,530
11	216	388	309	365	1,890	1,100	275	585	199	1,030	199	2,060
12	256	360	307	362	2,100	1,020	279	453	190	851	311	2,490
13	e317	337	322	365	2,360	964	290	359	187	681	414	2,860
14	371	315	368	366	2,770	905	303	300	198	551	436	2,820
15	439	298	403	366	3,300	851	320	258	220	471	453	2,470
16	447	283	476	361	3,720	805	335	229	292	431	442	2,180
17	410	269	579	358	4,740	761	331	205	404	446	442	1,970
18	358	256	623	362	6,160	727	314	187	513	431	392	1,820
19	313	272	640	360	7,010	699	295	175	630	410	372	1,730
20	276	273	651	364	6,410	679	275	166	773	384	414	1,640
21	248	308	649	391	5,220	658	256	155	908	384	527	1,540
22	225	369	632	399	4,150	629	240	151	1,010	414	622	1,450
23	203	390	604	390	3,320	603	224	147	1,010	496	647	1,350
24	185	399	576	380	3,030	571	212	142	884	652	569	1,230
25	167	407	532	367	2,690	532	198	134	740	851	479	1,060
26	159	428	503	366	2,430	497	187	127	675	988	433	887
27	179	482	493	442	2,370	460	176	121	760	981	416	811
28	214	509	477	518	2,360	431	165	114	889	831	394	786
29	309	500	459	690	2,340	409	159	108	1,120	641	350	837
30	432	472	449	890	---	413	214	103	1,320	498	315	1,030
31	595	---	436	1,060	---	421	---	98	---	437	297	---
MEAN	289	462	450	441	2,888	1,052	279	291	480	956	379	1,271
MAX	595	752	651	1,060	7,010	2,330	389	723	1,320	2,130	647	2,860
MIN	159	256	292	358	1,230	409	159	98	97	384	161	177
MED	265	417	443	381	2,360	805	288	213	256	831	394	1,140
IN.	0.29	0.45	0.45	0.45	2.73	1.06	0.27	0.29	0.47	0.97	0.38	1.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2004, BY WATER YEAR (WY)

MEAN	503	401	721	1,281	1,950	2,307	1,847	788	629	722	817	581
MAX	6,892	3,594	6,057	4,332	9,355	7,718	9,368	4,282	3,867	3,345	6,098	4,279
(WY)	(1995)	(1948)	(1965)	(1993)	(1986)	(1984)	(1948)	(1964)	(1973)	(1991)	(1928)	(1935)
MIN	22.0	26.5	37.0	65.5	116	167	173	60.6	37.6	42.5	34.1	26.8
(WY)	(1955)	(1934)	(1934)	(1934)	(1957)	(1955)	(1927)	(1927)	(2000)	(2000)	(2000)	(1954)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1926 - 2004	
ANNUAL MEAN	1,599		760		1,041	
HIGHEST ANNUAL MEAN					2,854	1948
LOWEST ANNUAL MEAN					209	1968
HIGHEST DAILY MEAN	13,100	Mar 11	7,010	Feb 19	53,100	Apr 4, 1948
LOWEST DAILY MEAN	159	Oct 26	97	Jun 1	17	Oct 23, 1954
ANNUAL SEVEN-DAY MINIMUM	190	Oct 22	107	May 27	17	Oct 22, 1954
MAXIMUM PEAK FLOW			7,200	Feb 19	55,900	Apr 4, 1948
MAXIMUM PEAK STAGE			26.34	Feb 19	35.08	Apr 4, 1948
INSTANTANEOUS LOW FLOW			91	Jun 1	17	Oct 23, 1954
ANNUAL RUNOFF (INCHES)	19.05		9.08		12.40	
10 PERCENT EXCEEDS	3,240		1,820		2,540	
50 PERCENT EXCEEDS	1,030		428		451	
90 PERCENT EXCEEDS	314		190		83	

e Estimated

02329000 OCHLOCKONEE RIVER NEAR HAVANA, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.67	16.38	15.07	15.00	18.98	22.16	14.78	13.27	11.99	20.44	14.97	13.83
2	14.71	16.64	14.91	15.10	19.63	22.09	14.71	13.39	12.12	21.22	14.91	13.68
3	14.64	16.72	14.70	15.13	20.08	21.96	14.63	14.15	12.41	21.93	14.76	13.44
4	14.43	16.74	14.54	15.07	20.34	21.70	14.53	14.66	12.77	22.07	14.46	13.24
5	14.17	16.68	14.39	15.00	20.42	21.33	14.42	15.03	12.82	21.63	14.13	13.11
6	13.94	16.44	14.24	14.90	20.35	20.85	14.30	15.51	12.84	20.97	13.81	13.36
7	13.75	16.10	14.13	14.79	20.34	20.31	14.17	16.08	12.70	20.39	13.48	15.48
8	13.66	15.74	14.06	14.73	19.77	19.75	14.07	16.66	12.50	20.09	13.24	17.27
9	13.76	15.38	14.00	14.73	19.76	19.26	13.94	17.00	12.51	20.02	13.04	18.67
10	13.79	15.04	14.09	14.68	20.34	18.84	13.84	16.85	13.26	19.39	12.93	20.42
11	13.80	14.77	14.14	14.61	20.97	18.46	13.85	16.15	13.13	18.61	13.32	21.88
12	14.10	14.56	14.13	14.58	21.56	18.15	13.88	15.26	13.04	17.70	14.23	22.94
13	---	14.37	14.25	14.60	22.22	17.84	13.98	14.55	13.01	16.75	14.98	23.53
14	14.88	14.19	14.63	14.61	22.97	17.55	14.09	14.07	13.12	15.94	15.14	23.48
15	15.29	14.05	14.87	14.61	23.69	17.27	14.23	13.70	13.34	15.39	15.27	22.89
16	15.34	13.92	15.24	14.57	24.16	17.02	14.36	13.43	13.99	15.11	15.18	22.20
17	15.12	13.79	15.73	14.54	24.92	16.79	14.32	13.19	14.90	15.21	15.18	21.64
18	14.79	13.68	15.97	14.58	25.79	16.60	14.18	13.01	15.68	15.10	14.82	21.21
19	14.50	13.82	16.07	14.56	26.25	16.43	14.02	12.88	16.44	14.95	14.68	20.95
20	14.25	13.83	16.14	14.60	25.93	16.31	13.85	12.79	17.28	14.76	14.98	20.73
21	14.04	14.13	16.13	14.80	25.24	16.18	13.69	12.67	17.99	14.76	15.78	20.48
22	13.87	14.63	16.02	14.85	24.50	16.00	13.54	12.63	18.50	14.98	16.39	20.21
23	13.69	14.80	15.85	14.80	23.71	15.84	13.38	12.58	18.53	15.57	16.54	19.87
24	13.55	14.84	15.71	14.72	23.34	15.69	13.26	12.53	17.87	16.57	16.05	19.41
25	13.40	14.89	15.51	14.62	22.86	15.51	13.12	12.44	17.10	17.70	15.45	18.72
26	13.32	15.00	15.37	14.61	22.39	15.34	13.01	12.36	16.71	18.39	15.12	17.88
27	13.49	15.27	15.32	15.07	22.25	15.16	12.89	12.29	17.21	18.36	15.00	17.48
28	13.73	15.40	15.24	15.44	22.24	15.01	12.78	12.21	17.89	17.59	14.83	17.35
29	14.33	15.36	15.15	16.36	22.19	14.90	12.71	12.13	18.97	16.50	14.52	17.62
30	15.01	15.22	15.10	17.47	---	14.92	13.27	12.07	19.77	15.58	14.27	18.58
31	15.82	---	15.04	18.30	---	14.96	---	12.00	---	15.15	14.13	---
MEAN	---	15.08	15.02	15.03	22.32	17.75	13.86	13.79	15.01	17.70	14.70	18.72
MAX	---	16.74	16.14	18.30	26.25	22.16	14.78	17.00	19.77	22.07	16.54	23.53
MIN	---	13.68	14.00	14.54	18.98	14.90	12.71	12.00	11.99	14.76	12.93	13.11

02329558 ST. MATTHEWS CHURCH BRANCH NEAR QUINCY, FL

LOCATION.--Lat 30° 35'34", long 84° 31'18 ", in NE $^1/_4$ sec. 10, T.2N., R.3W., Gadsden County, Hydrologic Unit 03120003, at upstream side of culvert on State Road 12, and 3.6 mi east of the city hall in Quincy.

DRAINAGE AREA.--0.49 mi^2.

PERIOD OF RECORD.--October 1996 to September 1997 (fragmentary), October 1997 to September 2001, October 2001 to September 2002 (fragmentary), October 2002 to current year. Prior to October 2003, published as Church Branch near Quincy.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--No estimated daily discharges. Records poor. Continuous discharge data for water years 1996-2003 are published in Appendix at end of this report.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.79	0.61	0.54	1.1	0.79	0.51	0.73	0.35	0.76	0.27	1.4
2	0.14	0.37	0.59	0.51	0.70	0.71	0.51	0.55	0.58	0.64	0.27	1.2
3	0.14	0.33	0.52	0.51	0.60	0.66	0.49	0.50	0.49	0.63	0.27	1.1
4	0.16	0.38	0.55	0.51	0.51	0.65	0.45	0.47	0.60	0.58	0.27	1.0
5	0.14	0.41	0.55	0.46	0.49	0.65	0.45	0.43	0.27	0.56	0.29	1.1
6	0.14	0.36	0.51	0.51	4.5	0.65	0.44	0.40	0.18	3.1	0.28	5.0
7	0.15	0.29	0.49	0.51	1.7	0.63	0.45	0.38	0.18	0.39	0.25	4.5
8	0.15	0.38	0.50	0.48	1.0	0.58	0.51	0.35	0.53	8.0	0.25	2.5
9	0.14	0.34	0.48	0.49	0.89	0.60	0.43	0.34	0.42	2.6	0.26	1.9
10	0.14	0.25	1.2	0.53	0.90	0.70	0.40	0.32	0.37	1.7	5.0	1.9
11	0.46	0.29	0.64	0.48	0.94	0.63	0.40	0.30	0.28	1.3	4.0	1.9
12	0.56	0.31	0.54	0.51	3.4	0.58	0.40	0.30	0.31	1.2	4.4	1.9
13	0.45	0.43	0.64	0.49	2.5	0.58	0.97	0.30	0.25	0.75	2.3	2.1
14	0.24	0.23	2.2	0.38	11	0.58	0.60	0.29	0.34	0.54	1.4	1.9
15	0.22	0.22	0.82	0.43	2.4	0.58	0.55	0.27	0.61	0.33	1.4	1.8
16	0.17	0.26	0.70	0.45	1.5	0.58	0.51	0.29	0.60	3.6	2.7	11
17	0.24	0.94	0.79	0.45	1.1	0.58	0.49	0.29	0.70	2.0	1.4	4.0
18	0.23	0.46	0.67	0.97	0.97	0.55	0.48	0.28	0.44	1.7	1.2	2.7
19	0.23	2.4	0.62	0.63	0.87	0.51	0.45	0.29	0.45	1.5	1.1	2.4
20	0.23	0.65	0.62	0.54	0.78	0.51	0.40	0.29	0.48	0.72	1.5	2.3
21	0.54	0.63	0.55	0.51	0.70	0.46	0.38	0.26	0.77	0.48	1.6	2.2
22	0.29	0.58	0.66	0.48	0.65	0.43	0.35	0.25	2.6	0.45	1.1	2.1
23	0.19	0.50	0.56	0.40	1.6	0.45	0.34	0.22	1.3	0.37	1.1	2.0
24	0.17	2.2	0.82	0.37	10	0.43	0.32	0.18	1.0	0.34	1.1	1.9
25	0.19	0.84	0.64	0.37	3.4	0.42	0.30	0.16	0.68	0.32	0.95	1.9
26	1.6	1.4	0.58	3.4	1.9	0.41	0.30	0.18	0.90	0.32	0.89	1.8
27	0.67	0.75	0.54	1.6	1.4	0.41	0.29	0.18	1.8	0.42	0.87	7.7
28	1.3	0.80	0.51	0.88	1.1	0.40	0.26	0.18	0.96	0.41	0.83	3.9
29	0.67	0.63	0.50	0.77	0.96	0.41	0.26	0.18	0.68	0.33	1.1	3.2
30	0.41	0.64	0.81	0.70	---	0.73	1.8	0.18	0.77	0.31	2.3	3.0
31	0.40	---	0.62	0.65	---	0.58	---	0.19	---	0.29	2.1	---
MEAN	0.35	0.64	0.68	0.66	2.05	0.56	0.48	0.31	0.66	1.18	1.38	2.78
MAX	1.6	2.4	2.2	3.4	11	0.79	1.8	0.73	2.6	8.0	5.0	11
MIN	0.14	0.22	0.48	0.37	0.49	0.40	0.26	0.16	0.18	0.29	0.25	1.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	1.20	1.41	1.45	1.79	2.35	2.77	2.18	1.20	1.27	1.33	1.69	1.83
MAX	2.07	3.46	2.76	4.35	3.86	7.26	4.81	2.67	4.01	2.79	5.14	3.82
(WY)	(1997)	(1998)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	0.31	0.15	0.14	0.25	1.16	0.56	0.48	0.19	0.19	0.24	0.13	0.18
(WY)	(2003)	(2002)	(2002)	(2003)	(2003)	(2004)	(2004)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL MEAN	0.95		0.97		1.80	
HIGHEST ANNUAL MEAN					3.76	2001
LOWEST ANNUAL MEAN					0.97	2004
HIGHEST DAILY MEAN	13	Feb 27	11	Feb 14	28	Sep 29, 1998
LOWEST DAILY MEAN	0.13	Sep 5	0.14	Oct 1	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.14	Sep 8	0.14	Oct 1	0.11	Sep 17, 2002
MAXIMUM PEAK FLOW			69	Jul 8	163	Sep 29, 1998
MAXIMUM PEAK STAGE			2.79	Jul 8	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW			0.12	Oct 5	0.00	Jun 10, 1999
10 PERCENT EXCEEDS	1.8		2.1		3.8	
50 PERCENT EXCEEDS	0.50		0.55		1.3	
90 PERCENT EXCEEDS	0.17		0.25		0.34	

02329600 LITTLE RIVER NEAR MIDWAY, FL

LOCATION.--Lat 30° 30'44", long 84° 31'25", in SW$^1/_4$ sec. 3, T.1N., R. 3W., Gadsden County, Hydrologic Unit 03120003, at bridge on State Highway 268, 0.5 mi upstream from Monroe Creek, 3.2 mi above mouth, and 3.7 mi west of Midway.

DRAINAGE AREA.--305 mi^2.

PERIOD OF RECORD.--Annual maximums, water years 1965 to 1985. October 1985 to current year.

GAGE.--Water-stage recorder and crest-stage. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1985, nonrecording and crest-stage gages at same site and datum.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	72	49	130	141	327	235	266	30	250	79	216
2	73	45	41	73	278	290	190	303	60	157	82	142
3	75	36	37	58	323	272	140	294	233	80	84	78
4	77	35	33	56	278	258	117	245	287	71	85	24
5	76	34	34	57	214	244	103	162	203	79	92	5.8
6	72	36	34	51	257	246	97	86	e129	53	69	111
7	68	32	34	49	632	248	93	59	55	113	46	860
8	71	28	33	46	704	227	111	56	52	324	42	1,020
9	79	24	32	46	753	223	119	58	98	694	42	1,050
10	80	25	73	54	537	225	142	53	101	308	54	840
11	91	28	222	58	337	223	146	49	181	272	358	353
12	205	31	153	52	370	215	164	45	186	166	641	249
13	273	31	74	46	498	211	230	41	163	82	776	126
14	255	32	223	45	861	201	252	37	70	81	490	52
15	202	33	351	44	1,380	188	235	33	63	116	245	23
16	115	36	292	42	1,380	189	216	31	196	109	299	329
17	83	38	221	41	1,330	203	188	33	272	e224	276	1,080
18	72	34	173	71	784	190	161	34	200	e401	151	915
19	65	120	101	146	395	175	150	37	92	385	89	536
20	60	257	65	98	318	164	140	41	63	261	93	265
21	60	194	48	60	281	154	131	43	56	165	148	204
22	72	75	44	52	255	131	116	46	61	93	e206	109
23	75	41	48	49	249	113	101	47	108	89	148	103
24	76	67	72	47	794	98	103	44	125	90	172	109
25	72	258	84	45	1,240	102	109	41	170	70	120	93
26	89	239	67	91	1,210	106	113	39	246	58	74	85
27	201	121	51	422	1,080	111	113	37	328	73	74	206
28	230	62	46	560	676	114	115	35	423	76	80	463
29	335	66	47	538	402	116	121	32	505	59	86	500
30	313	58	72	356	---	207	217	31	462	71	264	395
31	208	---	160	202	---	275	---	29	---	77	339	---
MEAN	125	72.9	97.2	119	619	195	149	77.0	174	166	187	351
MAX	335	258	351	560	1,380	327	252	303	505	694	776	1,080
MIN	60	24	32	41	141	98	93	29	30	53	42	5.8
IN.	0.47	0.27	0.37	0.45	2.19	0.74	0.54	0.29	0.64	0.63	0.71	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2004, BY WATER YEAR (WY)

MEAN	316	294	315	557	672	776	333	196	288	271	335	259
MAX	2,542	1,497	876	1,694	2,139	1,791	756	1,136	875	1,003	1,617	1,249
(WY)	(1995)	(1998)	(1986)	(1991)	(1986)	(1991)	(1994)	(1991)	(1989)	(1994)	(1994)	(1994)
MIN	24.0	26.8	38.3	96.0	80.0	195	116	15.5	9.25	21.2	47.0	49.3
(WY)	(1991)	(2002)	(2002)	(1989)	(2002)	(2004)	(1999)	(2001)	(2000)	(2000)	(2000)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1986 - 2004	
ANNUAL MEAN	357		192		383	
HIGHEST ANNUAL MEAN					709	1991
LOWEST ANNUAL MEAN					106	2000
HIGHEST DAILY MEAN	3,630	Mar 11	1,380	Feb 15	30,300	Oct 3, 1994
LOWEST DAILY MEAN	24	Nov 9	5.8	Sep 5	4.3	Jun 12, 2000
ANNUAL SEVEN-DAY MINIMUM	28	Nov 7	28	Nov 7	4.4	Jun 10, 2000
MAXIMUM PEAK FLOW			1,420	Feb 15	49,200	Sep 22, 1969
MAXIMUM PEAK STAGE			72.87	Feb 15	86.25	Sep 22, 1969
INSTANTANEOUS LOW FLOW			2.1	Sep 6	2.1	Sep 6, 2004
ANNUAL RUNOFF (INCHES)	15.90		8.58		17.07	
10 PERCENT EXCEEDS	857		397		852	
50 PERCENT EXCEEDS	185		110		190	
90 PERCENT EXCEEDS	60		37		47	

e Estimated

02330000 OCHLOCKONEE RIVER NEAR BLOXHAM, FL

LOCATION.--Lat 30° 22'59", long 84° 39'18", in NE$^1/_4$ sec. 20, T. 1 S., R. 4 W., Leon County, Hydrologic Unit 03120003, on left bank at Old State Highway 20(Crooked Road), 3,000 ft downstream from C.H. Corn Hydroelectric Dam, 1.5 mi southwest of Bloxham, and 65 mi upstream from mouth.

DRAINAGE AREA.--1,700 mi^2, approximately.

PERIOD OF RECORD.--June 1926 to current year. Low-flow records not equivalent prior to October 1, 1954, due to undetermined amount of seepage inflow.

REVISED RECORDS.--WSP 1002: 1940-42. WSP 1704: 1958-59. WSP 1905, WRD FL-76-4: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.69 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 9, 1930, nonrecording gage at site 2,700 ft upstream at datum 5.00 ft higher, Apr. 9, 1930 to Jan. 19, 1939, water-stage recorder at site 2,000 ft upstream at datum 5.00ft higher, Jan. 20, 1939 to Sept. 30, 1954, water-stage recorder at present site at datum 5.00 ft higher, Oct. 1, 1954 to Sept. 30, 1985, water-stage recorder at present site and datum, Oct. 1, 1985 to Aug. 27, 1997, at site 2,000 ft upstream at present datum.

REMARKS.--Records fair, except those below 150 ft^3/s and estimated daily discharges, which are poor. Flow regulated since 1929 by C.H. Corn Hydroelectric Dam (formerly Jackson Bluff Dam) above station and storage in Lake Talquin (02329900). Since October 1981, the publication of adjusted values for storage has been discontinued since the difference between adjusted and the unadjusted values have been minimal. Maximum discharge, 89,400 ft^3/s, Sept. 23, 1969, gage height, 29.2 ft, from floodmark; minimum discharge, since October 1954, 1.0 ft^3/s, Nov. 1, 1957, caused by closure of breaks in earth embankment of C.H. Corn Hydroelectric Dam (indeterminate prior to October 1954).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Maximum stage since 1834, 32.64 ft, Sept. 30, 1957, from flood marks established by local resident, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	848	495	925	e2,170	3,040	768	1,500	181	1,930	350	1,580
2	250	837	519	758	e1,910	2,870	764	560	177	2,540	353	1,040
3	331	829	535	533	1,470	2,820	573	507	1,010	2,510	413	1,580
4	334	826	685	531	1,900	2,920	491	521	1,080	2,460	495	2,670
5	417	827	535	570	2,080	2,660	422	620	943	2,410	682	3,060
6	442	951	383	950	2,390	2,470	370	769	441	2,250	802	2,320
7	433	968	372	568	3,260	2,440	366	623	266	1,790	666	1,060
8	422	872	372	470	3,300	2,270	367	595	282	1,870	e392	523
9	437	765	381	426	2,860	1,140	266	718	281	2,740	273	379
10	438	310	478	498	2,450	1,320	98	883	280	2,700	275	1,140
11	860	249	753	502	2,640	1,650	183	813	280	1,660	2,360	2,770
12	1,300	273	1,210	571	2,390	1,670	124	722	330	1,360	3,040	2,880
13	745	271	747	540	3,290	1,290	133	575	1,010	1,030	815	5,620
14	666	252	629	516	5,390	1,300	450	500	1,560	335	1,540	3,820
15	781	213	883	518	4,710	1,190	560	455	2,290	367	1,550	3,420
16	806	200	1,090	516	4,720	1,250	565	252	1,010	1,070	1,100	3,090
17	532	342	1,030	516	4,960	1,110	572	210	513	951	1,580	2,710
18	504	680	788	518	4,970	931	456	211	1,080	938	1,370	4,180
19	504	1,110	943	e518	5,410	711	382	211	1,240	1,480	607	3,380
20	472	893	1,110	1,010	6,130	845	371	212	1,170	1,220	398	2,130
21	312	722	834	471	6,060	860	371	211	1,230	929	1,180	2,190
22	182	488	660	367	4,930	850	395	209	1,340	387	1,730	2,420
23	193	424	614	431	4,280	820	324	210	1,240	263	2,740	1,520
24	348	577	957	415	5,900	749	66	210	1,480	629	1,500	1,510
25	371	924	937	601	6,000	511	83	175	1,480	1,300	1,120	1,700
26	453	899	921	e843	4,680	498	114	198	1,600	1,140	702	2,180
27	1,150	792	777	e2,210	3,930	548	85	201	2,600	1,190	343	2,250
28	1,590	758	474	e3,640	3,850	554	97	193	1,820	1,710	324	1,110
29	1,590	600	507	e3,310	3,410	562	128	191	1,790	1,110	342	1,280
30	1,200	486	702	e2,750	---	928	1,440	193	1,860	336	1,110	1,670
31	930	---	859	e2,240	---	782	---	190	---	351	1,740	---
MEAN	616	640	715	943	3,843	1,405	379	440	1,062	1,386	1,029	2,239
MAX	1,590	1,110	1,210	3,640	6,130	3,040	1,440	1,500	2,600	2,740	3,040	5,620
MIN	95	200	372	367	1,470	498	66	175	177	263	273	379
IN.	0.42	0.42	0.49	0.64	2.44	0.95	0.25	0.30	0.70	0.94	0.70	1.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2004, BY WATER YEAR (WY)

MEAN	1,002	795	1,307	2,002	2,846	3,339	2,734	1,319	1,178	1,285	1,483	1,281
MAX	10,550	4,943	8,913	5,671	12,290	9,313	13,240	4,880	4,942	4,007	6,835	7,890
(WY)	(1995)	(1948)	(1965)	(1993)	(1986)	(1984)	(1948)	(1964)	(1973)	(1991)	(1928)	(1969)
MIN	50.0	52.5	82.6	222	243	296	327	172	73.5	66.3	116	120
(WY)	(1955)	(1955)	(1959)	(1935)	(1957)	(1955)	(1999)	(1927)	(2000)	(2000)	(2000)	(1958)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1926 - 2004	
ANNUAL MEAN	2,129		1,212		1,685	
HIGHEST ANNUAL MEAN					4,516	1948
LOWEST ANNUAL MEAN					315	1955
HIGHEST DAILY MEAN	15,200	Mar 12	6,130	Feb 20	73,200	Sep 23, 1969
LOWEST DAILY MEAN	95	Oct 1	66	Apr 24	1.0	Jul 14, 1931
ANNUAL SEVEN-DAY MINIMUM	253	Nov 10	128	Apr 23	2.6	Sep 26, 1958
MAXIMUM PEAK FLOW			6,360	Feb 24	89,400	Sep 25, 1969
MAXIMUM PEAK STAGE			16.30	Feb 24	29.20	Sep 23, 1969
INSTANTANEOUS LOW FLOW			35	Oct 1	1.0	Nov 1, 1957
ANNUAL RUNOFF (INCHES)	17.00		9.71		13.47	
10 PERCENT EXCEEDS	4,950		2,760		4,110	
50 PERCENT EXCEEDS	1,510		804		964	
90 PERCENT EXCEEDS	473		260		158	

e Estimated

02330100 TELOGIA CREEK NEAR BRISTOL, FL

LOCATION.--Lat 30° 25'35", long 84° 55'40", in NW$^1/_4$ sec. 3, T. 1 S., R. 7 W., Liberty County, Hydrologic Unit 03120003, near left bank at downstream side of bridge on State Highway 20, 600 ft upstream from White Branch, 3.0 mi east of Bristol, and 33 mi upstream from mouth.

DRAINGAGE AREA.--126 mi^2.

PERIOD OF RECORD.--March 1950 to September 1971, October 1974 to September 1979, October 1980 to current year.

REVISED RECORDS.--WSP 1504: 1950-51, 1953 (M), 1955-56.

GAGE.--Water-stage recorder. Datum of gage is 99.50 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark).

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	128	161	190	135	219	104	442	45	142	72	124
2	66	105	138	141	164	181	93	451	80	169	66	166
3	65	95	126	127	167	163	87	174	146	183	63	208
4	64	91	126	121	139	154	83	118	175	150	61	135
5	64	93	138	119	126	147	81	96	169	111	57	95
6	62	102	141	118	180	145	79	84	117	97	91	97
7	61	96	128	116	468	145	78	76	83	98	69	261
8	87	86	121	111	615	139	89	70	80	119	57	584
9	98	83	117	109	379	129	109	66	79	90	53	488
10	90	82	137	116	180	122	106	63	86	99	70	299
11	103	79	220	121	176	117	90	61	72	130	222	714
12	211	76	254	116	240	116	87	60	62	95	625	702
13	283	74	159	114	398	114	125	59	65	69	839	510
14	188	71	204	109	629	110	188	58	71	101	682	256
15	127	68	338	104	776	109	147	56	113	112	324	162
16	103	67	310	103	846	111	104	54	188	303	144	553
17	88	69	195	101	508	114	90	55	264	352	136	677
18	81	70	192	123	266	113	84	55	193	342	162	1,140
19	76	123	170	166	186	107	79	57	125	760	121	738
20	72	254	142	155	160	102	75	66	98	888	98	334
21	71	286	129	124	150	99	72	63	85	297	86	165
22	68	148	123	112	143	96	70	60	87	133	87	132
23	65	120	120	105	138	91	68	54	124	103	94	116
24	62	179	137	102	481	89	66	51	136	88	103	109
25	61	398	166	100	1,070	89	64	48	152	79	99	104
26	76	473	152	121	1,170	89	64	46	159	78	82	96
27	146	241	132	312	784	88	65	45	124	77	73	249
28	320	203	123	494	506	87	67	44	115	91	67	477
29	399	289	118	371	313	86	65	42	130	118	64	614
30	417	260	138	161	---	90	221	42	144	93	71	378
31	214	---	203	135	---	102	---	41	---	80	122	---
MEAN	128	150	163	149	396	118	93.3	88.9	119	182	160	356
MAX	417	473	338	494	1,170	219	221	451	264	888	839	1,140
MIN	61	67	117	100	126	86	64	41	45	69	53	95
IN.	1.17	1.33	1.49	1.36	3.39	1.08	0.83	0.81	1.05	1.67	1.46	3.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	173	160	195	251	293	329	229	155	169	206	221	211
MAX	867	642	749	766	812	1,100	615	788	605	510	726	1,268
(WY)	(1995)	(1998)	(1965)	(1991)	(1986)	(1991)	(1958)	(1991)	(1965)	(1956)	(1994)	(1969)
MIN	35.4	46.9	69.3	71.1	59.7	45.1	61.0	28.4	28.6	45.9	47.0	38.4
(WY)	(1955)	(1991)	(1991)	(1989)	(2001)	(1955)	(1999)	(2001)	(2000)	(2000)	(1954)	(1954)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL MEAN	239		174		216	
HIGHEST ANNUAL MEAN					478	1965
LOWEST ANNUAL MEAN					78.9	2000
HIGHEST DAILY MEAN	1,450	Feb 28	1,170	Feb 26	16,600	Sep 22, 1969
LOWEST DAILY MEAN	61	Oct 7	41	May 31	21	Jun 7, 2001
ANNUAL SEVEN-DAY MINIMUM	64	May 13	44	May 26	23	Jun 7, 2000
MAXIMUM PEAK FLOW			1,330	Feb 26	20,600	Sep 22, 1969
MAXIMUM PEAK STAGE			6.98	Feb 26	16.65	Sep 22, 1969
INSTANTANEOUS LOW FLOW			41	May 30	21	Jun 12, 2000
ANNUAL RUNOFF (INCHES)	25.79		18.81		23.27	
10 PERCENT EXCEEDS	584		378		432	
50 PERCENT EXCEEDS	148		116		128	
90 PERCENT EXCEEDS	76		64		60	

02330150 OCHLOCKONEE RIVER NEAR SMITH CREEK, FL

LOCATION.--Lat 30° 10'35", long 84° 40'05", in NE$^1/_4$ sec. 31, T. 3 S., R. 4 W., Wakulla County, Hydrologic Unit 03120002, at bridge on County Road 368 and Forest Road FH-13, 1.3 mi upstream from Smith Creek, 2.0 mi southwest of community of Smith Creek, and 39 mi upstream from mouth.

DRAINAGE AREA.--2,080 mi^2.

PERIOD OF RECORD.--November 1964 to November 1992 (annual peak stage); October 1996 to current year.

REVISED RECORDS.--WRD FL-03-4: 2003.

GAGE.--Water-stage recorder. Datum of gage is not determined. Prior to Nov. 29, 1972, crest-stage gage at NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height, 29.75 ft above NGVD of 1929, Sept. 25, 1969, discharge not determined.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	501	2,010	1,280	1,280	2,320	5,390	885	1,060	275	2,650	689	1,540
2	406	1,780	1,120	1,460	2,600	4,630	874	1,820	289	2,630	587	1,850
3	397	1,650	1,020	1,400	2,790	4,170	855	1,350	303	3,100	540	1,710
4	441	1,530	968	1,160	2,540	3,820	720	924	556	3,520	538	1,730
5	453	1,370	1,010	999	2,480	3,680	638	781	843	3,560	578	2,340
6	482	1,260	923	945	2,780	3,550	589	840	1,020	3,420	655	3,150
7	510	1,240	693	1,160	3,390	3,290	550	903	758	3,290	791	3,570
8	525	1,270	641	1,070	4,120	3,110	541	727	542	3,020	757	2,840
9	534	1,210	622	820	4,620	2,940	534	641	469	2,800	535	1,730
10	541	1,080	657	684	4,530	2,320	499	648	419	3,040	419	1,280
11	566	698	814	687	4,050	1,860	415	734	402	3,350	421	1,580
12	826	538	1,190	694	3,980	1,950	418	766	396	2,980	1,190	2,840
13	1,480	502	1,600	738	4,020	2,030	443	682	414	2,300	2,950	3,900
14	1,540	486	1,610	758	4,890	1,860	435	619	639	1,780	2,810	5,310
15	1,360	472	1,500	701	6,830	1,690	547	554	1,620	1,160	2,530	6,010
16	1,300	447	1,710	686	7,840	1,580	640	505	3,300	1,200	2,700	5,410
17	1,310	431	1,890	678	6,900	1,550	671	412	3,180	1,890	2,480	5,260
18	1,080	486	1,920	692	6,630	1,460	680	351	2,690	2,270	2,410	4,960
19	762	742	1,680	761	6,550	1,300	642	343	2,190	2,270	2,330	5,410
20	652	1,240	1,630	1,090	6,560	1,070	579	349	2,270	2,440	1,630	5,650
21	607	1,430	1,700	1,300	7,060	1,030	540	345	2,320	2,510	940	4,780
22	518	1,340	1,580	1,040	7,330	1,040	525	337	2,130	2,210	1,200	3,860
23	405	1,100	1,310	718	6,650	1,030	525	332	2,160	1,690	1,870	3,680
24	372	967	1,170	669	6,190	983	498	326	2,050	1,250	2,580	3,150
25	409	1,160	1,360	678	7,830	921	387	319	2,040	1,180	2,620	2,520
26	449	1,530	1,510	905	9,330	696	349	301	2,080	1,510	1,950	2,340
27	540	1,690	1,510	2,010	8,120	640	354	293	2,220	1,640	1,340	2,610
28	1,060	1,640	1,390	3,010	6,510	635	343	292	2,770	1,760	716	3,050
29	1,940	1,560	1,110	3,300	5,880	638	340	286	2,960	2,000	532	2,630
30	2,380	1,460	944	2,800	---	649	468	278	2,740	1,950	490	2,250
31	2,320	---	1,040	2,350	---	808	---	274	---	1,190	765	---
MEAN	860	1,144	1,261	1,201	5,356	2,010	549	593	1,535	2,308	1,372	3,298
MAX	2,380	2,010	1,920	3,300	9,330	5,390	885	1,820	3,300	3,560	2,950	6,010
MIN	372	431	622	669	2,320	635	340	274	275	1,160	419	1,280
IN.	0.48	0.61	0.70	0.67	2.78	1.11	0.29	0.33	0.82	1.28	0.76	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	1,510	1,455	1,493	1,778	2,591	4,764	1,578	732	1,258	1,597	2,079	1,522
MAX	5,932	4,505	3,954	3,655	5,356	11,780	4,173	1,956	3,259	3,844	6,527	3,298
(WY)	(1999)	(1998)	(1998)	(1998)	(2004)	(2003)	(2003)	(1997)	(2003)	(2003)	(2003)	(2004)
MIN	480	336	395	573	774	1,277	549	291	156	181	243	353
(WY)	(2000)	(2002)	(2002)	(2000)	(2001)	(2000)	(2004)	(2001)	(2000)	(2000)	(2000)	(1997)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL MEAN	3,492		1,773		1,867	
HIGHEST ANNUAL MEAN					3,778	2003
LOWEST ANNUAL MEAN					591	2000
HIGHEST DAILY MEAN	20,600	Mar 13	9,330	Feb 26	31,800	Oct 2, 1998
LOWEST DAILY MEAN	372	Oct 24	274	May 31	128	Jul 22, 2000
ANNUAL SEVEN-DAY MINIMUM	456	Oct 1	284	May 27	135	Jun 11, 2000
MAXIMUM PEAK FLOW			9,460	Feb 26	33,000	Oct 2, 1998
MAXIMUM PEAK STAGE			14.45	Feb 26	18.30	Oct 2, 1998
INSTANTANEOUS LOW FLOW			270	Jun 1	125	Jul 22, 2000
ANNUAL RUNOFF (INCHES)	22.79		11.61		12.20	
10 PERCENT EXCEEDS	8,140		3,720		4,300	
50 PERCENT EXCEEDS	2,600		1,240		1,080	
90 PERCENT EXCEEDS	636		428		300	

02330400 NEW RIVER NEAR SUMATRA, FL

LOCATION.--Lat 30° 02'19", long 84° 50'38", in SE$^1/_4$ sec. 16, T. 5 S., R. 6 W., Liberty County, Hydrologic Unit 03130013, on left bank 1,000 ft downstream from closed Owens bridge and dead ends of Forest Road 125 at river, 1.8 mi downstream from Cat Branch, 4.6 mi west of Tate Fire Tower, and 8.2 mi east of Sumatra.

DRAINAGE AREA.--157 mi^2.

PERIOD OF RECORD.-November 1964 to October 1986 (annual maximum discharge and gage-height), December 1996 to June 1998 (fragmentary), July 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929; from USGS Benchmark "TT 24 S"; elevation, 25.587 ft above NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,670 ft^3/s, Sept. 23, 1969, gage height 27.38 ft.

REVISIONS.--Daily and monthly discharges for the water year 2003 were revised.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	613	253	123	740	44	1,540	109	37	8.4	254	806	570
2	546	270	106	747	41	2,260	94	28	7.3	322	743	529
3	478	279	93	779	38	2,590	80	21	6.5	592	766	479
4	416	272	81	792	42	2,590	67	16	7.9	1,050	782	443
5	349	255	101	764	43	2,430	76	11	8.4	1,320	788	433
6	280	320	133	714	37	2,200	145	8.5	51	1,370	784	451
7	218	367	111	650	104	2,040	146	6.7	247	1,350	789	491
8	186	367	97	581	127	1,890	198	5.5	551	1,220	802	487
9	167	381	92	512	143	2,020	286	4.7	648	1,050	795	458
10	166	448	90	456	160	2,510	343	4.0	692	871	907	410
11	166	498	95	402	157	2,820	368	3.5	669	719	987	349
12	149	548	94	344	150	2,740	388	3.1	618	586	1,010	276
13	127	599	117	291	140	2,460	395	2.8	564	479	983	202
14	116	627	131	244	126	2,090	381	2.5	536	399	939	152
15	139	656	130	207	112	1,730	349	2.4	504	322	899	138
16	206	676	135	179	136	1,410	304	2.3	467	257	857	128
17	244	678	134	158	177	1,160	251	2.2	420	331	832	113
18	275	651	127	140	196	945	203	2.2	363	514	820	107
19	279	619	118	125	238	804	164	2.4	324	852	824	91
20	252	584	117	112	275	712	131	2.4	375	1,080	860	66
21	211	538	112	101	288	634	103	2.3	465	1,090	839	45
22	170	487	110	93	297	566	79	4.6	545	1,010	842	37
23	138	436	110	88	308	503	57	10	638	1,030	888	102
24	121	383	167	82	287	439	40	7.5	668	1,070	908	107
25	110	329	438	81	263	374	39	12	642	1,220	893	104
26	98	274	752	78	243	309	60	19	584	1,450	845	113
27	97	226	930	71	431	252	44	18	512	1,600	738	98
28	96	189	947	63	870	209	52	18	431	1,440	623	93
29	97	161	884	56	---	176	57	15	361	1,230	552	90
30	189	140	802	50	---	153	48	13	307	1,050	549	71
31	235	---	737	47	---	129	---	10	---	900	573	---
MEAN	224	417	265	314	195	1,377	169	9.60	407	904	814	241
MAX	613	678	947	792	870	2,820	395	37	692	1,600	1,010	570
MIN	96	140	81	47	37	129	39	2.2	6.5	254	549	37
IN.	1.64	2.96	1.95	2.31	1.30	10.11	1.20	0.07	2.90	6.64	5.98	1.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2003, BY WATER YEAR (WY)

MEAN	289	137	80.7	188	128	621	87.3	84.7	167	371	551	415
MAX	865	417	265	314	197	1,377	194	359	407	904	1,521	845
(WY)	(1999)	(2003)	(2003)	(2003)	(2002)	(2003)	(2001)	(1997)	(2003)	(2003)	(2001)	(1998)
MIN	28.1	9.72	14.3	75.7	58.8	56.3	9.19	0.00	0.08	0.49	103	73.2
(WY)	(2002)	(1999)	(1999)	(2000)	(2000)	(2000)	(1999)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1997 - 2003	
ANNUAL MEAN	261		448		260	
HIGHEST ANNUAL MEAN					448	2003
LOWEST ANNUAL MEAN					113	2000
HIGHEST DAILY MEAN	3,130	Mar 6	2,820	Mar 11	5,370	Aug 8, 2001
LOWEST DAILY MEAN	0.43	May 27	2.2	May 17	0.00	Jun 5, 1998
ANNUAL SEVEN-DAY MINIMUM	0.67	May 23	2.3	May 15	0.00	Jun 12, 1998
MAXIMUM PEAK FLOW			2,850	Mar 11	5,430	Aug 8, 2001
MAXIMUM PEAK STAGE			23.95	Mar 11	26.31	Aug 8, 2001
INSTANTANEOUS LOW FLOW			2.2	May 16	0.00	Sep 11, 1997
ANNUAL RUNOFF (INCHES)	22.54		38.77		22.49	
10 PERCENT EXCEEDS	621		985		678	
50 PERCENT EXCEEDS	135		276		94	
90 PERCENT EXCEEDS	2.1		37		1.4	

02330400 NEW RIVER NEAR SUMATRA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	373	304	160	555	1,210	7.0	3.5	2.6	298	535	102
2	36	378	274	153	529	1,050	6.3	3.8	2.8	380	504	82
3	24	357	240	145	491	891	5.9	5.8	2.6	423	436	74
4	17	336	215	135	445	777	5.4	11	4.4	438	349	88
5	12	333	193	126	396	681	5.0	12	4.5	454	289	113
6	8.5	395	168	114	362	594	4.7	12	6.1	476	266	155
7	7.3	452	150	102	367	511	4.8	9.2	12	502	218	205
8	12	457	137	96	369	425	5.7	7.3	13	507	159	222
9	28	430	124	100	396	337	5.6	6.3	7.0	482	121	256
10	29	385	181	102	448	257	5.0	5.6	8.3	432	113	301
11	65	329	219	95	507	200	4.9	4.9	13	371	167	326
12	207	267	225	95	529	167	6.3	4.5	16	302	319	354
13	281	209	256	93	573	138	21	4.2	14	325	553	352
14	334	163	314	89	733	114	19	3.7	12	452	725	387
15	344	133	334	83	975	96	19	3.3	60	479	809	417
16	318	110	335	75	1,210	82	20	3.0	232	582	827	688
17	270	91	340	72	1,280	69	16	2.7	375	670	814	1,000
18	215	100	335	125	1,230	55	11	2.6	526	733	775	1,320
19	166	187	316	131	1,100	46	8.1	2.7	665	759	716	1,550
20	128	194	289	135	978	38	6.6	2.7	723	750	654	1,570
21	99	206	258	143	853	31	5.8	3.0	696	705	581	1,440
22	74	228	230	137	753	24	5.1	3.0	653	637	500	1,260
23	53	226	208	126	675	19	4.6	2.8	638	554	454	1,050
24	37	266	210	113	736	15	4.2	2.8	605	464	397	868
25	26	317	198	102	1,030	13	3.8	3.5	550	382	347	734
26	43	325	192	98	1,430	11	3.7	3.1	503	306	293	615
27	122	341	193	134	1,560	8.9	3.5	2.7	457	237	226	580
28	121	359	191	257	1,500	7.9	3.2	2.5	397	226	185	587
29	199	354	182	460	1,370	7.4	3.1	2.3	338	318	156	595
30	269	331	181	535	---	7.4	3.4	2.2	282	429	131	624
31	333	---	171	560	---	7.5	---	2.0	---	514	127	---
MEAN	127	288	231	158	806	255	7.59	4.54	261	471	411	597
MAX	344	457	340	560	1,560	1,210	21	12	723	759	827	1,570
MIN	7.3	91	124	72	362	7.4	3.1	2.0	2.6	226	113	74
IN.	0.93	2.05	1.70	1.16	5.54	1.87	0.05	0.03	1.85	3.46	3.02	4.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	262	162	106	183	244	560	74.0	73.2	180	383	533	441
MAX	865	417	265	314	806	1,377	194	359	407	904	1,521	845
(WY)	(1999)	(2003)	(2003)	(2003)	(2004)	(2003)	(2001)	(1997)	(2003)	(2003)	(2001)	(1998)
MIN	28.1	9.72	14.3	75.7	58.8	56.3	7.59	0.00	0.08	0.49	103	73.2
(WY)	(2002)	(1999)	(1999)	(2000)	(2000)	(2000)	(2004)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL MEAN	427		299		266	
HIGHEST ANNUAL MEAN					448	2003
LOWEST ANNUAL MEAN					113	2000
HIGHEST DAILY MEAN	2,820	Mar 11	1,570	Sep 20	5,370	Aug 8, 2001
LOWEST DAILY MEAN	2.2	May 17	2.0	May 31	0.00	Jun 5, 1998
ANNUAL SEVEN-DAY MINIMUM	2.3	May 15	2.4	May 28	0.00	Jun 12, 1998
MAXIMUM PEAK FLOW			1,590	Sep 19	5,430	Aug 8, 2001
MAXIMUM PEAK STAGE			22.04	Sep 19	26.31	Aug 8, 2001
INSTANTANEOUS LOW FLOW			2.0	May 31	0.00	Sep 11, 1997
ANNUAL RUNOFF (INCHES)	36.89		25.90		23.05	
10 PERCENT EXCEEDS	985		724		687	
50 PERCENT EXCEEDS	267		208		106	
90 PERCENT EXCEEDS	18		4.8		1.8	

02357150 SPRING CREEK NEAR REYNOLDSVILLE, GA

LOCATION.--Lat 30° 54'14", long 84° 44'57", Decatur County, Hydrologic Unit 03130010, on right bank, 1 mi upstream of Smith Landing, and 3 mi north-northeast of Reynoldsville.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage and velocity recorder. Datum of gage is not determined.

REMARKS.--Records fair, except for estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	425	396	384	446	1,130	e503	340	257	764	468	261
2	434	421	385	391	430	1,100	e486	383	269	771	424	238
3	416	400	408	395	453	e1,010	470	444	296	721	402	249
4	423	385	389	399	434	e941	451	543	351	665	377	245
5	409	377	389	383	439	e877	430	611	387	629	350	247
6	403	370	370	350	453	e822	429	578	409	637	356	241
7	390	360	367	352	562	e783	422	571	397	725	334	267
8	385	374	378	370	635	e750	429	524	373	725	318	249
9	396	348	397	375	685	e725	418	465	390	626	303	287
10	394	338	400	376	726	e689	422	406	401	559	287	322
11	410	344	369	390	795	e658	433	379	399	496	296	353
12	416	340	362	397	869	e639	433	341	411	458	306	350
13	423	342	371	386	963	e617	431	346	387	422	308	333
14	434	339	386	385	1,020	e611	418	359	390	404	295	341
15	407	340	373	384	1,100	e600	410	396	437	414	314	364
16	419	353	410	366	1,310	e600	402	431	509	521	314	367
17	407	348	423	371	1,550	e600	392	435	549	646	295	476
18	389	343	435	387	1,610	e594	389	386	588	694	272	725
19	382	341	421	359	1,530	e572	372	339	568	704	280	1,220
20	375	364	408	360	1,420	e561	356	324	575	742	286	2,130
21	380	383	397	364	1,320	e542	356	316	635	943	282	2,510
22	379	385	389	358	1,180	e528	345	310	640	1,170	283	2,010
23	367	405	391	360	1,070	e514	337	312	594	1,130	292	1,490
24	370	399	392	363	1,030	e511	322	310	555	901	281	1,150
25	361	381	373	383	1,050	e506	318	318	530	700	275	969
26	358	379	378	414	1,050	e503	314	302	517	591	267	819
27	358	383	378	393	1,060	e498	308	287	556	525	257	760
28	385	377	381	420	1,140	e496	303	273	621	499	262	712
29	409	374	377	475	1,150	e495	305	255	690	479	260	672
30	428	373	376	473	---	e497	303	251	754	493	254	693
31	426	---	358	462	---	e501	---	256	---	503	249	---
MEAN	399	370	388	388	948	660	390	380	481	653	308	702
MAX	450	425	435	475	1,610	1,130	503	611	754	1,170	468	2,510
MIN	358	338	358	350	430	495	303	251	257	404	249	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	487	456	404	473	579	1,003	785	380	348	421	362	449
MAX	1,417	1,273	964	927	948	2,711	1,886	846	752	754	1,013	895
(WY)	(1999)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	136	146	175	169	176	273	350	180	121	121	97.1	114
(WY)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	955		503		512	
HIGHEST ANNUAL MEAN					1,099	2003
LOWEST ANNUAL MEAN					216	2000
HIGHEST DAILY MEAN	5,110	Apr 12	2,510	Sep 21	5,110	Apr 12, 2003
LOWEST DAILY MEAN	338	Nov 10	238	Sep 2	45	Sep 13, 2000
ANNUAL SEVEN-DAY MINIMUM	342	Nov 9	247	Aug 31	73	Aug 18, 2000
MAXIMUM PEAK FLOW			2,730	Sep 21	5,610	Apr 12, 2003
MAXIMUM PEAK STAGE			79.25	Sep 21	82.52	Apr 12, 2003
10 PERCENT EXCEEDS	1,750		802		1,010	
50 PERCENT EXCEEDS	719		400		350	
90 PERCENT EXCEEDS	378		303		147	

e Estimated

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FL

LOCATION.--Lat 30° 42'03", long 84° 51'33", in NW$^1/_4$ sec. 32, T.4 N., R.6 W., Jackson County, Hydrologic Unit 03130011, on downstream side of abandoned bridge downstream of U.S. Highway 90, 0.6 mi downstream from Jim Woodruff Dam, 0.6 mi upstream from Mosquito Creek, 1.0 mi west of Chattahoochee, and 106 mi upstream from mouth.

DRAINAGE AREA.--17,200 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1939, published as "near River Junction." Gage-height records collected at site 0.9 mi downstream October 1919 to September 1925, and at site approximately 100 ft downstream October 1925 to December 1958 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (National Weather Service bench mark). Prior to Dec. 16, 1939, water-stage recorder at site 0.9 mi downstream at datum 44.85 ft higher. Dec. 16, 1939 to June 25, 1952, water-stage recorder, June 26, 1952 to June 2, 1954, nonrecording gage, and June 3, 1954 to Oct. 14, 1958, water-stage recorder, at site approximately 100 ft downstream at datum 45.58 ft. Oct. 15, 1958 to Sept. 30, 1987, water-stage recorder at datum 40.58 ft.

REMARKS.--Records good. Flow regulated by Lake Seminole Reservoir (02357500) 0.6 mi upstream since Feb. 4, 1957, Walter F. George Lake (02343240) since 1962, Bartlett's Ferry Reservoir (02341000) since 1926, West Point Lake (02339400) since October 1974, and Lake Sidney Lanier Reservoir (02334400) since 1956.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16,100	10,900	18,100	12,900	21,500	27,800	11,900	10,300	7,830	15,200	9,790	8,090
2	15,100	10,200	17,800	12,600	20,000	28,900	12,100	9,940	7,710	15,300	9,730	8,210
3	13,400	10,100	18,200	12,500	21,600	30,700	12,000	9,690	7,560	15,300	9,730	8,060
4	12,500	11,500	19,200	12,100	22,700	27,300	12,100	10,500	7,630	15,300	9,810	8,070
5	11,300	11,900	22,100	11,900	21,400	23,800	12,000	12,800	7,540	15,300	9,710	8,590
6	9,960	11,100	24,800	12,700	22,000	22,800	12,100	12,300	7,360	15,200	9,750	11,700
7	8,640	11,300	25,300	12,700	27,800	21,700	11,900	13,500	7,470	15,100	9,780	18,700
8	8,050	11,700	24,600	13,400	32,500	20,900	12,100	12,900	7,440	15,100	9,790	23,000
9	8,160	11,300	25,100	13,900	32,300	17,900	12,100	12,000	7,660	15,100	9,820	22,000
10	8,570	11,300	22,000	17,400	31,100	15,500	12,100	11,600	7,890	15,300	9,940	21,000
11	8,620	10,000	18,800	20,400	28,400	15,500	12,100	11,200	7,810	15,400	11,900	20,500
12	8,660	9,620	17,300	20,600	26,800	16,100	12,100	10,700	7,900	15,000	15,200	19,500
13	e11,000	10,300	15,300	19,300	29,400	14,700	11,900	10,400	7,930	14,000	14,600	18,600
14	13,900	10,600	16,000	18,600	42,200	13,200	11,800	10,100	7,750	13,500	12,200	22,700
15	12,800	10,600	16,700	e18,300	47,600	12,100	11,900	10,100	7,800	13,000	10,600	30,200
16	12,900	10,600	17,800	e18,600	44,400	12,200	12,000	10,100	7,920	12,400	9,800	35,400
17	15,700	10,300	17,400	e18,300	43,100	12,900	12,200	10,000	8,490	12,200	9,770	51,600
18	16,200	9,610	17,000	e19,200	40,200	14,200	12,200	9,260	9,650	11,800	9,710	60,800
19	15,000	11,700	16,100	e17,800	37,600	13,700	12,200	8,790	9,720	11,400	9,650	65,900
20	15,500	12,200	15,300	e15,400	35,800	12,700	12,200	8,740	9,580	11,000	9,840	55,700
21	15,900	13,300	14,400	e13,000	35,000	12,000	11,900	8,800	9,630	10,900	9,830	47,200
22	14,800	15,200	13,400	10,800	32,300	11,800	11,300	8,940	9,770	10,700	9,770	42,800
23	13,300	18,200	13,200	10,900	27,600	12,100	10,800	8,920	10,100	10,700	9,700	37,200
24	12,300	19,500	13,100	11,800	25,300	12,300	10,700	8,870	10,100	10,700	9,290	32,400
25	11,400	20,400	13,000	12,300	23,700	12,200	10,300	8,540	10,500	10,700	8,650	30,700
26	10,500	20,600	12,300	16,000	23,400	12,100	9,880	8,120	11,900	10,500	8,750	30,200
27	9,680	20,500	11,600	29,700	22,900	12,200	9,910	7,860	15,100	9,880	8,830	27,800
28	9,190	19,900	11,100	35,300	24,500	12,100	9,840	7,810	15,500	9,720	8,800	22,600
29	10,800	17,800	11,100	34,700	27,400	12,300	9,790	7,970	15,300	9,710	8,770	27,300
30	11,800	17,100	10,900	28,900	---	12,200	9,870	7,930	15,200	9,770	8,390	35,900
31	11,700	---	11,600	26,200	---	12,100	---	7,770	---	9,760	8,050	---
MEAN	12,050	13,310	16,790	17,680	30,020	16,390	11,510	9,885	9,458	12,740	9,998	28,410
MAX	16,200	20,600	25,300	35,300	47,600	30,700	12,200	13,500	15,500	15,400	15,200	65,900
MIN	8,050	9,610	10,900	10,800	20,000	11,800	9,790	7,770	7,360	9,710	8,050	8,060
MED	11,800	11,400	16,700	16,000	27,800	13,200	11,900	9,940	7,930	12,400	9,770	25,200
IN.	0.81	0.86	1.13	1.19	1.88	1.10	0.75	0.66	0.61	0.85	0.67	1.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	12,390	13,270	20,040	27,320	33,380	40,620	33,650	21,680	16,520	16,800	14,890	12,290
MAX	38,500	31,790	70,390	62,470	67,310	171,600	80,700	53,260	39,460	87,780	31,950	28,410
(WY)	(1965)	(1993)	(1949)	(1936)	(1998)	(1929)	(1944)	(1964)	(1973)	(1994)	(1994)	(2004)
MIN	5,319	5,524	7,337	7,262	10,420	12,780	10,880	8,326	4,826	5,117	4,750	5,889
(WY)	(1955)	(1932)	(2002)	(1956)	(1989)	(1955)	(1999)	(2002)	(2000)	(2000)	(1988)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL MEAN	26,600		15,610		21,850	
HIGHEST ANNUAL MEAN					35,680	1929
LOWEST ANNUAL MEAN					8,681	2002
HIGHEST DAILY MEAN	86,900	May 12	65,900	Sep 19	291,000	Mar 20, 1929
LOWEST DAILY MEAN	8,050	Oct 8	7,360	Jun 6	3,900	Nov 15, 1987
ANNUAL SEVEN-DAY MINIMUM	8,670	Oct 6	7,520	Jun 3	4,530	Aug 10, 1988
MAXIMUM PEAK FLOW			69,100	Sep 19	293,000	Mar 20, 1929
MAXIMUM PEAK STAGE			60.29	Sep 19	79.55	Mar 20, 1929
INSTANTANEOUS LOW FLOW			7,050	Jun 8	2,570	Aug 6, 1986
ANNUAL RUNOFF (INCHES)	21.00		12.36		17.26	
10 PERCENT EXCEEDS	49,800		27,700		43,400	
50 PERCENT EXCEEDS	21,800		12,200		15,900	
90 PERCENT EXCEEDS	11,000		8,650		8,480	

e Estimated

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.87	42.42	45.73	43.41	47.11	49.52	42.91	42.11	40.79	44.47	41.85	40.93
2	44.41	42.07	45.63	43.24	46.55	49.94	43.00	41.94	40.72	44.52	41.83	41.00
3	43.66	42.03	45.79	43.23	47.18	50.58	42.99	41.80	40.63	44.53	41.83	40.92
4	43.20	42.74	46.18	43.00	47.60	49.33	43.00	42.21	40.67	44.51	41.87	40.92
5	42.62	42.94	47.37	42.93	47.10	48.03	42.96	43.35	40.62	44.51	41.81	41.20
6	41.94	42.54	48.43	43.31	47.32	47.66	43.00	43.14	40.52	44.46	41.84	42.84
7	41.24	42.61	48.60	43.32	49.50	47.22	42.91	43.70	40.58	44.44	41.85	45.97
8	40.91	42.85	48.34	43.65	51.19	46.88	43.01	43.42	40.56	44.42	41.86	47.73
9	40.98	42.65	48.53	43.88	51.13	45.63	43.03	43.00	40.69	44.43	41.87	47.33
10	41.20	42.65	47.32	45.40	50.71	44.62	43.03	42.76	40.82	44.51	41.93	46.95
11	41.23	41.97	46.03	46.71	49.77	44.61	43.01	42.55	40.77	44.54	42.89	46.74
12	41.25	41.77	45.38	46.79	49.15	44.89	43.01	42.31	40.83	44.38	44.49	46.30
13	---	42.12	44.51	46.26	50.12	44.24	42.92	42.17	40.84	43.90	44.22	45.94
14	43.87	42.26	44.83	45.95	54.39	43.53	42.88	42.03	40.74	43.67	43.06	47.56
15	43.36	42.29	45.16	---	56.09	43.02	42.93	42.03	40.77	43.47	42.30	50.40
16	43.40	42.27	45.60	---	55.10	43.06	42.97	42.01	40.84	43.19	41.86	52.16
17	44.70	42.12	45.43	---	54.69	43.40	43.07	41.99	41.14	43.08	41.84	57.02
18	44.93	41.76	45.28	---	53.78	44.00	43.07	41.58	41.78	42.88	41.81	58.88
19	44.38	42.82	44.88	---	52.91	43.80	43.06	41.32	41.82	42.68	41.79	59.74
20	44.58	43.06	44.53	---	52.34	43.29	43.06	41.29	41.75	42.48	41.88	57.90
21	44.76	43.59	44.11	---	52.06	42.99	42.90	41.33	41.77	42.41	41.88	55.95
22	44.28	44.46	43.63	42.39	51.13	42.88	42.64	41.40	41.84	42.30	41.85	54.63
23	43.61	45.80	43.56	42.40	49.46	43.00	42.39	41.39	42.01	42.31	41.81	52.99
24	43.11	46.33	43.52	42.86	48.59	43.12	42.30	41.36	42.00	42.32	41.59	51.53
25	42.69	46.71	43.44	43.12	48.00	43.06	42.13	41.18	42.25	42.31	41.25	50.96
26	42.23	46.77	43.14	44.68	47.88	43.01	41.90	40.95	42.90	42.20	41.30	50.79
27	41.80	46.75	42.78	50.20	47.67	43.06	41.92	40.80	44.41	41.90	41.34	49.90
28	41.53	46.50	42.54	52.16	48.30	43.04	41.88	40.77	44.59	41.82	41.33	47.94
29	42.35	45.63	42.52	51.96	49.38	43.11	41.85	40.87	44.51	41.82	41.31	49.75
30	42.87	45.31	42.41	49.95	---	43.06	41.90	40.84	44.49	41.84	41.10	52.60
31	42.83	---	42.78	48.92	---	43.02	---	40.75	---	41.84	40.91	---
MEAN	---	43.53	45.10	---	50.21	44.86	42.72	41.88	41.62	43.29	41.95	49.18
MAX	---	46.77	48.60	---	56.09	50.58	43.07	43.70	44.59	44.54	44.49	59.74
MIN	---	41.76	42.41	---	46.55	42.88	41.85	40.75	40.52	41.82	40.91	40.92

02358000 APALACHICOLA RIVER AT CHATTAHOOCHEE, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1962 to June 1972, January 1974 to current year.

SUSPENDED SEDIMENT DISCHARGE

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
OCT						
16...	1419	43.32	12,500	90	12	965
16...	1422	43.32	12,500	97	11	965
16...	1431	43.34	12,500	100	10	1,020
16...	1435	43.32	12,500	100	10	1,020
16...	1442	43.30	12,500	100	9	1,070
16...	1446	43.29	12,500	100	9	1,070
16...	1453	43.28	12,500	100	10	1,170
16...	1456	43.28	12,500	100	11	1,170
16...	1502	43.29	12,500	90	10	1,260
16...	1505	43.31	12,500	100	10	1,260
16...	1510	43.33	12,500	100	10	1,310
16...	1513	43.36	12,600	100	9	1,310
JAN						
13...	1632	46.01	18,000	100	6	965
13...	1634	46.01	18,000	100	7	965
13...	1638	46.00	18,000	93	10	1,020
13...	1641	46.00	18,000	100	6	1,020
13...	1648	46.00	18,000	100	4	1,070
13...	1650	46.00	18,000	100	4	1,070
13...	1656	45.99	17,900	95	6	1,170
13...	1658	45.99	17,900	100	6	1,170
13...	1703	45.99	17,900	100	7	1,260
13...	1705	45.99	17,900	100	6	1,260
13...	1709	45.98	17,900	95	6	1,310
13...	1712	45.98	17,900	95	6	1,310
APR						
14...	1656	42.90	12,200	97	24	965
14...	1659	42.90	12,200	99	20	965
14...	1707	42.91	12,300	97	22	1,090
14...	1710	42.91	12,300	100	21	1,090
14...	1715	42.92	12,300	98	23	1,170
14...	1718	42.92	12,300	100	21	1,170
14...	1736	42.90	12,200	95	19	1,230
14...	1739	42.90	12,200	100	18	1,230
14...	1743	42.90	12,200	98	17	1,250
14...	1745	42.90	12,200	100	15	1,250
14...	1748	42.90	12,200	100	17	1,310
14...	1750	42.90	12,200	99	18	1,310
JUL						
09...	1452	44.54	15,200	79	8	965
09...	1454	44.55	15,200	93	5	965
09...	1500	44.57	15,300	89	5	1,090
09...	1502	44.56	15,200	93	4	1,090
09...	1511	44.52	15,200	76	8	1,170
09...	1514	44.50	15,100	87	7	1,170
09...	1519	44.49	15,100	100	4	1,230
09...	1521	44.48	15,100	94	5	1,230
09...	1526	44.47	15,000	100	6	1,250
09...	1529	44.46	15,000	95	6	1,250
09...	1535	44.45	15,000	96	6	1,310
09...	1536	44.45	15,000	90	5	1,310

02358700 APALACHICOLA RIVER NEAR BLOUNTSTOWN, FL

LOCATION.--Lat 30° 25'30", long 85° 01'53", in NE$^1/_4$ sec.3, T.1 S., R.8 W., Calhoun County, Hydrologic Unit 03130011, on right bank 500 ft upstream from Neal Lumber Company Landing at McNeal, 0.5 mi upstream from Old River cutoff, 1.5 mi southeast of Blountstown, and 78 mi upstream from mouth.

DRAINAGE AREA.--17,600 mi^2, approximately.

PERIOD OF RECORD.--January 1920 to September 1957 gage-height records collected in this vicinity by the National Weather Service are in the files of the Geological Survey. Miscellaneous discharge measurements from some periods August 1938 to August 1957 are in files of the U.S. Army Corps of Engineers, Mobile, Alabama District. October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 26.96 ft above National Geodetic Vertical Datum of 1929 (National Weather Service benchmark). Prior to Sept. 17, 1921, nonrecording gage near present site at different datum. Sept. 17, 1921 to Aug. 28, 1957, nonrecording gage at several sites within 500 ft of present site at present datum. Since Aug. 26, 1960, auxiliary nonrecording gage at site 2.2 mi upstream at bridge on State Highway 20, at present datum.

REMARKS.--2003 water year: No estimated daily discharges. Records good. 2004 water year: Records good.

COOPERATION.--Records from October 1957 to current year, were collected and computed by the U.S. Army Corps of Engineers and were reviewed by the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 266,000 ft^3/s, Mar. 13, 1998; maximum gage height, 27.23 ft, Mar. 13, 1998; minimum daily discharge, 4,680 ft^3/s (estimated), Aug. 3, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1920, 28.6 ft present datum, Mar. 21, 1929, discharge not determined, from National Weather Service records.

EXTREMES FOR CURRENT YEAR.--2003 water year: Maximum daily discharge, 76,300 ft^3/s, May 15, gage height, 20.64 ft; minimum daily, 5,840 ft^3/s, Oct. 13. 2004 water year: maximum daily discharge 54,900 ft^3/s, Sept. 21, gage height, 18.93 ft; minimum daily discharge, 7,210 ft^3/s, Sept. 5.

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,580	13,200	14,000	41,300	12,000	44,900	26,800	30,100	28,500	30,500	33,000	18,700
2	7,470	11,300	12,400	33,900	13,400	49,200	24,800	28,400	25,900	30,600	32,700	18,700
3	7,170	10,200	11,800	30,800	14,200	47,600	23,700	27,800	23,800	37,800	30,100	18,600
4	7,040	9,390	12,200	30,400	14,400	54,100	22,900	26,600	22,500	49,400	28,500	17,900
5	7,010	8,610	13,000	30,800	14,800	55,100	22,000	27,600	21,500	61,100	27,100	17,000
6	6,850	8,550	13,200	28,100	16,600	50,800	26,300	27,500	20,500	67,600	26,200	15,700
7	6,690	8,480	13,400	24,100	17,000	44,200	28,900	26,100	19,800	63,800	26,900	16,900
8	6,580	9,460	13,500	21,200	18,100	36,400	32,100	24,500	22,000	53,400	31,200	18,500
9	6,630	9,760	13,400	19,400	20,100	40,100	40,000	25,000	29,100	44,200	36,600	17,500
10	6,550	9,660	13,000	19,000	18,300	49,200	47,700	30,100	35,600	43,300	40,200	16,500
11	6,000	9,600	11,600	18,800	17,100	61,800	64,000	42,400	42,600	41,400	41,400	16,100
12	5,840	9,620	11,200	17,600	18,400	66,200	63,900	54,700	45,300	35,700	39,800	16,000
13	5,870	9,590	11,200	17,000	19,500	66,300	61,400	63,900	40,400	33,300	36,300	16,000
14	6,320	23,100	12,900	16,700	19,600	64,900	54,400	74,400	32,600	32,400	34,000	15,900
15	6,500	28,000	14,100	16,000	19,700	59,300	42,800	76,300	27,700	31,800	29,700	14,600
16	6,690	28,500	14,200	15,000	22,000	56,600	36,400	63,400	27,100	30,600	25,800	13,100
17	6,840	25,000	14,200	13,300	23,500	48,900	32,200	50,700	33,400	31,400	23,200	12,000
18	6,680	24,200	14,900	12,400	24,600	43,400	28,500	39,100	37,900	32,200	21,000	11,400
19	6,590	25,400	15,200	13,600	24,000	42,900	25,000	32,200	37,400	33,100	20,600	11,100
20	7,170	25,600	14,800	14,000	25,400	46,500	22,500	29,200	39,700	33,400	20,400	10,300
21	8,210	25,500	16,400	13,900	32,600	47,700	21,100	30,000	45,700	31,200	20,200	9,980
22	8,510	25,300	17,700	13,900	34,200	52,700	20,100	32,000	53,900	28,700	20,600	9,880
23	8,930	23,400	17,000	14,000	31,900	35,500	19,300	38,300	60,100	26,500	23,100	9,830
24	9,770	21,300	18,700	13,900	31,900	43,000	19,000	42,800	63,400	26,800	23,700	10,300
25	10,100	19,400	24,600	13,600	33,500	48,500	19,100	46,100	59,000	28,900	23,300	10,900
26	10,000	18,000	29,900	12,800	34,500	39,100	22,400	46,500	50,100	29,600	21,100	10,800
27	9,230	16,200	31,400	12,400	36,900	47,500	37,800	48,000	40,300	29,100	20,000	11,000
28	8,490	14,700	36,900	12,300	40,600	43,600	45,800	46,400	34,500	28,700	19,800	12,400
29	8,040	14,300	42,200	12,400	---	39,800	42,900	39,300	31,600	26,500	19,500	12,500
30	8,090	14,200	46,100	12,400	---	35,600	35,500	34,100	30,800	23,400	19,000	12,300
31	13,600	---	47,900	12,100	---	29,900	---	31,100	---	24,100	18,700	---
MEAN	7,646	16,650	19,130	18,620	23,170	48,110	33,640	39,830	36,090	36,150	26,890	14,080
MAX	13,600	28,500	47,900	41,300	40,600	66,300	64,000	76,300	63,400	67,600	41,400	18,700
MIN	5,840	8,480	11,200	12,100	12,000	29,900	19,000	24,500	19,800	23,400	18,700	9,830
IN.	0.50	1.06	1.25	1.22	1.37	3.15	2.13	2.61	2.29	2.37	1.76	0.89

CAL YR 2002 MEAN 10940 MAX 47900 MIN 5690 IN. 8.44
WTR YR 2003 MEAN 26710 MAX 76300 MIN 5840 IN. 20.61

02358700 APALACHICOLA RIVER NEAR BLOUNTSTOWN, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.99	5.83	6.08	15.50	4.40	16.01	11.39	13.02	12.46	13.15	13.93	8.57
2	1.92	4.78	5.18	13.66	5.18	16.77	10.64	12.43	11.53	13.18	13.83	8.57
3	1.70	4.12	4.81	12.72	5.59	16.52	10.25	12.21	10.71	15.20	13.03	8.51
4	1.61	3.60	5.07	12.57	5.66	17.55	9.93	11.76	10.18	17.54	12.47	8.21
5	1.60	3.09	5.50	12.69	5.89	17.70	9.56	12.15	9.78	19.19	11.96	7.77
6	1.48	3.04	5.62	11.75	6.76	17.08	11.26	12.10	9.36	19.96	11.63	7.19
7	1.36	2.98	5.70	10.23	6.93	15.92	12.22	11.59	9.06	19.51	11.87	7.74
8	1.28	3.63	5.71	9.08	7.42	14.20	13.26	11.00	9.97	18.17	13.36	8.47
9	1.34	3.81	5.65	8.29	8.30	15.08	15.34	11.16	12.69	16.60	14.90	8.05
10	1.28	3.74	5.45	8.09	7.49	16.85	16.88	13.01	14.64	16.42	15.77	7.54
11	0.83	3.69	4.66	8.00	6.93	18.64	19.18	16.25	16.28	16.04	16.04	7.36
12	0.68	3.70	4.40	7.45	7.56	19.16	19.17	18.34	16.81	14.68	15.69	7.31
13	0.72	3.67	4.40	7.16	8.04	19.19	18.89	19.53	15.82	14.00	14.84	7.29
14	1.13	10.36	5.36	7.03	8.11	19.02	17.97	20.50	13.79	13.74	14.20	7.24
15	1.29	12.21	5.96	6.68	8.17	18.35	16.01	20.64	12.18	13.55	12.90	6.63
16	1.46	12.35	6.03	6.18	9.12	18.00	14.55	19.47	11.97	13.17	11.47	5.84
17	1.59	11.08	6.04	5.26	9.74	16.86	13.39	17.75	14.03	13.42	10.48	5.23
18	1.47	10.73	6.40	4.77	10.18	15.86	12.16	15.51	15.22	13.68	9.58	4.83
19	1.41	11.20	6.50	5.38	9.96	15.77	10.89	13.69	15.11	13.96	9.39	4.69
20	1.88	11.25	6.28	5.58	10.51	16.49	9.93	12.71	15.65	14.04	9.33	4.22
21	2.65	11.20	7.09	5.55	12.98	16.70	9.36	12.99	16.90	13.36	9.22	3.99
22	2.87	11.13	7.71	5.54	13.47	17.52	8.92	13.61	18.24	12.53	9.39	3.93
23	3.17	10.37	7.35	5.55	12.79	14.10	8.57	15.33	19.07	11.74	10.43	3.90
24	3.74	9.51	8.11	5.51	12.81	15.84	8.47	16.32	19.47	11.85	10.68	4.20
25	3.93	8.71	10.56	5.35	13.30	16.88	8.53	16.98	18.92	12.59	10.51	4.57
26	3.93	8.09	12.50	4.88	13.58	15.00	9.92	17.05	17.66	12.85	9.62	4.50
27	3.42	7.23	12.96	4.65	14.23	16.72	15.00	17.31	15.79	12.68	9.16	4.63
28	2.93	6.45	14.49	4.63	15.12	16.00	16.71	17.02	14.35	12.52	9.05	5.45
29	2.62	6.23	15.70	4.64	---	15.20	16.15	15.57	13.48	11.73	8.95	5.47
30	2.67	6.19	16.46	4.66	---	14.18	14.44	14.24	13.23	10.56	8.69	5.38
31	6.07	---	16.78	4.47	---	12.50	---	13.33	---	10.83	8.59	---
TOTAL	66.02	213.97	240.51	233.50	260.22	511.66	388.94	464.57	424.35	442.44	360.96	187.28
MEAN	2.13	7.13	7.76	7.53	9.29	16.51	12.96	14.99	14.14	14.27	11.64	6.24
MAX	6.07	12.35	16.78	15.50	15.12	19.19	19.18	20.64	19.47	19.96	16.04	8.57
MIN	0.68	2.98	4.40	4.47	4.40	12.50	8.47	11.00	9.06	10.56	8.59	3.90

CAL YR 2002 TOTAL 1,339.97 MEAN 3.67 MAX 16.78 MIN 0.17
WTR YR 2003 TOTAL 3,794.42 MEAN 10.40 MAX 20.64 MIN 0.68

02358700 APALACHICOLA RIVER NEAR BLOUNTSTOWN, FL—Continued

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14,900	10,800	16,600	11,700	23,700	26,900	11,900	10,700	7,730	14,300	8,950	7,380
2	15,000	10,200	17,100	12,200	20,900	27,300	11,900	10,400	7,880	14,300	8,860	7,220
3	13,600	e10,200	17,200	11,900	20,600	29,200	11,900	9,950	7,760	14,400	8,800	7,290
4	12,500	10,200	17,600	11,700	22,200	28,200	11,900	9,990	7,660	14,300	8,760	7,260
5	11,500	11,300	19,500	11,500	21,300	25,000	11,800	11,600	7,540	14,200	8,730	7,210
6	10,300	10,900	22,500	11,800	21,100	23,300	11,800	12,000	7,390	14,200	8,710	7,220
7	9,190	10,600	23,900	12,500	24,800	22,200	11,800	12,500	7,310	14,200	8,710	9,170
8	8,390	11,000	24,000	12,700	30,100	21,000	11,900	12,800	7,350	14,100	8,740	12,900
9	8,090	10,900	24,000	13,200	31,200	19,500	11,900	12,100	7,650	14,100	8,770	18,900
10	8,390	11,000	22,800	14,800	31,000	16,400	11,900	11,600	7,750	14,100	8,800	19,700
11	8,650	e10,000	19,700	18,600	29,100	15,200	11,800	11,100	7,590	14,100	8,990	19,300
12	9,020	9,370	17,600	19,700	27,300	15,800	11,800	10,700	7,610	14,200	9,510	19,300
13	9,770	9,310	15,500	19,000	27,800	15,100	11,900	10,300	7,880	14,100	12,700	18,500
14	13,200	10,200	15,200	17,800	35,000	13,800	11,900	10,000	7,860	13,400	13,900	17,400
15	12,800	10,100	15,800	17,500	43,300	12,500	11,800	9,910	7,840	12,700	12,100	18,000
16	12,000	10,000	16,600	17,800	45,000	12,200	11,800	9,930	7,950	12,400	10,300	24,700
17	13,600	9,990	16,900	17,500	43,900	12,300	11,800	9,950	7,930	12,000	9,230	30,200
18	15,300	9,420	16,400	18,000	41,800	13,400	11,900	9,570	8,960	11,700	8,860	40,500
19	14,800	10,300	15,900	16,600	38,700	13,800	11,900	8,930	9,250	11,400	8,410	48,200
20	14,300	11,500	14,900	14,200	36,400	13,000	11,900	8,730	9,220	11,300	8,570	53,100
21	15,200	e12,400	14,400	12,200	34,800	12,200	11,700	8,680	9,170	10,800	8,490	54,900
22	14,500	13,300	13,200	11,000	33,300	12,000	11,300	8,710	9,290	10,300	8,550	49,200
23	13,400	15,900	12,900	10,300	29,600	12,000	10,800	8,710	9,540	10,100	8,670	43,900
24	12,200	17,700	12,900	10,800	27,300	12,100	10,500	8,700	9,600	9,830	8,590	39,100
25	11,300	19,200	12,900	11,600	25,800	12,000	10,300	8,550	9,800	9,800	8,460	33,900
26	10,700	19,500	12,700	12,100	24,700	12,000	9,950	8,140	10,400	9,760	7,840	31,000
27	10,000	19,500	11,800	24,400	23,600	12,000	9,790	7,810	12,900	9,790	7,650	29,900
28	9,290	19,500	11,200	30,600	23,700	12,000	9,770	7,690	14,300	9,490	7,720	29,400
29	10,100	18,200	10,800	33,800	25,800	12,000	9,730	7,730	14,400	9,190	7,750	24,400
30	10,900	16,700	10,800	30,300	---	12,000	10,100	7,760	14,400	9,050	7,750	25,300
31	11,400	---	11,000	27,600	---	12,000	---	7,690	---	9,040	7,770	---
MEAN	11,750	12,640	16,270	16,630	29,790	16,400	11,370	9,772	9,064	12,150	9,021	25,150
MAX	15,300	19,500	24,000	33,800	45,000	29,200	11,900	12,800	14,400	14,400	13,900	54,900
MIN	8,090	9,310	10,800	10,300	20,600	12,000	9,730	7,690	7,310	9,040	7,650	7,210
IN.	0.77	0.80	1.07	1.09	1.83	1.07	0.72	0.64	0.57	0.80	0.59	1.59

CAL YR 2003 MEAN 26490 MAX 76300 MIN 8090 IN. 20.43
WTR YR 2004 MEAN 14920 MAX 54900 MIN 7210 IN. 11.54

e Estimated

02358700 APALACHICOLA RIVER NEAR BLOUNTSTOWN, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.75	4.49	7.61	5.04	10.67	11.87	5.15	4.43	2.53	6.79	3.90	2.86
2	6.83	4.10	7.83	5.33	9.51	12.04	5.17	4.25	2.65	6.80	3.85	2.73
3	6.08	e4.12	7.90	5.16	9.41	12.70	5.17	3.97	2.57	6.83	3.82	2.78
4	5.47	4.14	8.09	5.05	10.05	12.36	5.12	4.00	2.51	6.80	3.80	2.75
5	4.92	4.82	8.95	4.92	9.69	11.18	5.10	4.97	2.42	6.78	3.79	2.71
6	4.20	4.59	10.19	5.07	9.60	10.52	5.09	5.20	2.32	6.75	3.79	2.71
7	3.48	4.36	10.75	5.51	11.08	10.05	5.09	5.47	2.27	6.75	3.79	4.09
8	2.94	4.64	10.77	5.62	13.01	9.59	5.15	5.64	2.31	6.75	3.82	6.33
9	2.73	4.58	10.79	5.88	13.38	8.93	5.16	5.24	2.54	6.73	3.85	9.29
10	2.94	4.63	10.32	6.71	13.32	7.51	5.13	4.95	2.62	6.72	3.88	9.62
11	3.12	e4.03	9.03	8.55	12.68	6.91	5.11	4.69	2.52	6.75	4.02	9.43
12	3.37	3.60	8.08	9.03	12.03	7.20	5.11	4.44	2.53	6.80	4.37	9.42
13	3.86	3.56	7.06	8.71	12.22	6.88	5.16	4.22	2.74	6.78	6.28	9.09
14	5.85	4.14	6.90	8.17	14.47	6.19	5.14	4.02	2.73	6.41	6.92	8.57
15	5.67	4.06	7.20	8.03	16.42	5.49	5.10	3.95	2.73	6.02	5.95	8.85
16	5.21	4.03	7.58	8.15	16.77	5.31	5.11	3.96	2.82	5.89	4.88	11.63
17	6.11	4.00	7.76	8.03	16.54	5.40	5.10	3.97	2.81	5.68	4.23	13.63
18	6.99	3.63	7.49	8.28	16.13	6.00	5.15	3.73	3.54	5.47	3.98	16.40
19	6.71	4.17	7.28	7.59	15.41	6.21	5.15	3.31	3.73	5.33	3.66	17.90
20	6.47	4.94	6.77	6.41	14.87	5.78	5.12	3.17	3.72	5.30	3.77	18.67
21	6.92	e5.46	6.51	5.34	14.43	5.32	5.03	3.14	3.70	4.98	3.71	18.93
22	6.57	5.92	5.88	4.62	14.02	5.20	4.78	3.16	3.79	4.69	3.75	18.04
23	5.99	7.25	5.71	4.22	12.86	5.18	4.51	3.16	3.96	4.55	3.82	17.09
24	5.32	8.12	5.73	4.50	12.03	5.27	4.32	3.15	4.01	4.41	3.77	16.05
25	4.81	8.81	5.72	4.99	11.47	5.23	4.17	3.05	4.15	4.40	3.67	14.72
26	4.41	8.93	5.59	5.29	11.06	5.20	3.97	2.77	4.53	4.38	3.23	13.83
27	4.03	8.93	5.08	10.93	10.63	5.22	3.87	2.55	5.97	4.41	3.08	13.46
28	3.55	8.94	4.74	13.18	10.69	5.21	3.86	2.47	6.76	4.23	3.13	13.30
29	4.09	8.33	4.49	14.14	11.49	5.22	3.83	2.50	6.80	4.04	3.14	11.44
30	4.59	7.67	4.49	13.09	---	5.23	4.04	2.53	6.80	3.96	3.14	11.79
31	4.86	---	4.65	12.14	---	5.19	---	2.49	---	3.95	3.15	---
TOTAL	154.84	162.99	226.94	227.68	365.94	225.59	144.96	118.55	105.08	176.13	123.94	318.11
MEAN	4.99	5.43	7.32	7.34	12.62	7.28	4.83	3.82	3.50	5.68	4.00	10.60
MAX	6.99	8.94	10.79	14.14	16.77	12.70	5.17	5.64	6.80	6.83	6.92	18.93
MIN	2.73	3.56	4.49	4.22	9.41	5.18	3.83	2.47	2.27	3.95	3.08	2.71

CAL YR 2003 TOTAL 3,818.69 MEAN 10.46 MAX 20.64 MIN 2.73
WTR YR 2004 TOTAL 2,350.75 MEAN 6.42 MAX 18.93 MIN 2.27

e Estimated

02358784 MUDDY BRANCH NEAR MARIANNA, FL

LOCATION.--Lat 30° 49'58", long 85° 12'31", in SW$^1/_4$ sec. 14, T. 5N., R. 10W., Jackson County, Hydrologic Unit 03130012, at downstream side of culvert at County Road 167, 1.4 mi west of Marianna Municipal Airport, 1.4 mi north of State Highway 166, 2.4 mi upstream from Chipola River, and 4.2 mi north of Marianna.

DRAINAGE AREA.--10.4 mi^2.

PERIOD OF RECORD.--October 1998 to September 1999, October 1999 to September 2000 (gage heights only), October 2000 to September 2003, October 2003 to September 2004 (fragmentary), discontinued.

GAGE.--Water-stage recorder. Datum of gage is not determined.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	0.09	0.13	0.00	0.02	---	---	6.8	1.1	1.1	1.0	0.00
2	0.66	0.17	0.05	0.00	0.05	---	---	2.1	2.9	1.3	0.49	0.00
3	0.57	0.21	0.13	0.00	0.00	---	0.41	1.4	2.3	1.5	0.19	0.00
4	0.54	0.16	0.05	0.00	0.00	---	0.33	1.1	0.64	1.1	0.00	0.00
5	0.63	1.2	0.01	0.00	0.00	---	0.26	1.0	0.25	0.96	0.00	0.00
6	0.65	2.0	0.06	0.00	0.00	---	0.26	1.0	0.20	0.78	0.00	0.00
7	0.45	0.33	0.02	0.00	---	---	0.27	0.91	0.22	0.64	0.00	0.00
8	1.1	0.08	0.01	0.00	---	---	0.37	0.50	0.16	0.49	0.00	0.00
9	0.70	0.01	0.01	0.00	---	---	0.13	0.24	0.10	0.38	0.00	0.00
10	0.29	0.00	0.01	0.00	---	---	0.08	0.14	0.21	0.26	0.00	0.00
11	1.3	0.00	0.01	0.00	---	---	0.08	0.08	0.31	0.17	0.13	0.00
12	3.4	0.00	0.00	0.00	---	---	0.36	0.05	0.33	0.10	0.15	0.00
13	1.2	0.00	0.00	0.00	---	---	1.5	0.03	0.35	2.0	0.05	0.00
14	0.50	0.00	0.12	0.00	---	---	0.80	0.01	0.36	6.1	0.00	0.00
15	0.20	0.00	0.18	0.00	---	---	0.54	0.00	0.83	1.8	0.00	0.00
16	0.13	0.00	0.09	0.00	---	---	0.47	0.01	1.1	3.1	0.00	71
17	0.14	0.00	0.09	0.00	---	---	0.38	0.01	0.59	1.7	0.00	16
18	0.14	0.00	0.05	0.00	---	---	0.33	0.00	0.47	1.00	0.00	1.8
19	0.15	0.38	0.02	0.00	---	---	0.32	0.00	0.39	0.85	0.00	0.64
20	0.12	0.18	0.01	0.00	---	---	0.40	0.00	0.36	0.74	0.00	0.43
21	0.04	0.01	0.00	0.00	---	---	0.47	0.00	0.35	0.69	0.00	0.38
22	0.05	0.00	0.00	0.00	---	---	0.52	0.49	4.0	0.66	0.00	0.30
23	0.06	0.00	0.00	0.00	---	---	0.73	0.50	2.3	0.59	0.00	0.24
24	0.05	0.00	0.00	0.00	---	---	0.90	0.43	1.1	0.53	0.00	0.16
25	0.04	0.00	0.00	0.00	---	---	0.96	0.38	1.3	1.6	0.00	0.13
26	0.28	0.00	0.00	9.9	---	---	1.1	0.33	2.2	0.99	0.00	0.30
27	0.60	0.00	0.00	5.0	---	---	1.1	0.27	2.8	0.76	0.00	1.7
28	1.8	2.8	0.00	0.87	---	---	0.90	0.22	1.5	0.93	0.00	0.83
29	1.8	1.5	0.00	0.25	---	---	0.66	0.17	2.3	0.80	0.00	0.22
30	0.33	0.45	0.00	0.02	---	---	7.8	0.14	1.4	1.8	0.00	0.03
31	0.06	---	0.00	0.00	---	---	---	0.14	---	1.7	0.00	---
MEAN	0.60	0.32	0.03	0.52	---	---	---	0.60	1.08	1.20	0.06	3.14
MAX	3.4	2.8	0.18	9.9	---	---	---	6.8	4.0	6.1	1.0	71
MIN	0.04	0.00	0.00	0.00	---	---	---	0.00	0.10	0.10	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1.72	3.26	1.64	1.38	1.30	6.04	4.18	1.19	0.93	1.78	0.83	2.20
MAX	4.50	14.6	7.50	4.65	4.14	19.4	11.9	2.96	1.95	4.37	3.21	5.70
(WY)	(1999)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)
MIN	0.00	0.00	0.00	0.00	0.00	0.46	0.38	0.41	0.00	0.32	0.06	0.10
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(1999)	(1999)	(2002)	(2002)	(2001)	(2004)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	4.64		2.36	
HIGHEST ANNUAL MEAN			6.69	2003
LOWEST ANNUAL MEAN			0.57	2001
HIGHEST DAILY MEAN	94	Mar 9	140	Nov 12, 2002
LOWEST DAILY MEAN	0.00	Nov 10	0.00	Apr 21, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 10	0.00	Sep 3, 1999
MAXIMUM PEAK FLOW			285	Sep 15, 2002
MAXIMUM PEAK STAGE			7.01	Sep 15, 2002
INSTANTANEOUS LOW FLOW			0.00	Apr 21, 1999
10 PERCENT EXCEEDS	12		4.7	
50 PERCENT EXCEEDS	2.5		0.51	
90 PERCENT EXCEEDS	0.02		0.00	

02358789 CHIPOLA RIVER AT MARIANNA, FL

LOCATION.--Lat 30° 46'22", long 85° 12'59", in SE $^1/_4$ sec. 3, T.4N., R.10W. Jackson County, Hydrologic Unit 03130012, at bridge on downstream side of U.S. Highway 90, 0.6 mi east of courthouse in Marianna, and 78.5 mi upstream from mouth.

DRAINAGE AREA.--464 mi^2.

PERIOD OF RECORD.--April 1913 to October 1986 (miscellaneous discharge measurements), October 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 56 ft above National Geodetic Vertical Datum of 1929, from Topographic map. Prior to Oct. 1, 1999, nonrecording gage at same site at different datum.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	508	596	472	457	1,510	543	990	393	1,990	539	245
2	422	450	580	464	502	1,310	527	1,420	585	1,940	529	244
3	403	409	530	451	534	1,170	494	1,770	782	1,820	540	241
4	389	386	491	436	534	1,080	457	2,000	1,080	1,710	532	242
5	379	384	477	423	512	1,020	430	2,010	1,520	1,680	477	238
6	370	384	472	426	567	971	409	1,920	1,760	1,540	423	238
7	374	392	455	424	707	932	396	1,610	1,670	1,300	385	263
8	371	388	444	415	857	900	398	1,070	1,220	1,040	353	298
9	381	375	434	414	1,210	864	409	749	844	843	332	305
10	391	363	436	420	1,790	823	407	632	710	741	333	300
11	425	352	442	418	1,970	778	405	569	670	680	385	299
12	531	344	440	409	1,760	745	400	530	686	635	473	309
13	601	338	440	399	1,450	722	449	523	581	590	480	321
14	616	330	487	389	1,520	706	466	619	531	671	459	365
15	580	320	536	380	1,790	691	455	783	549	703	443	451
16	515	314	557	374	2,080	688	436	765	629	681	397	828
17	461	312	602	370	2,390	699	398	750	771	795	365	1,130
18	419	316	589	382	2,670	687	369	770	953	e1,200	341	1,320
19	390	425	525	395	2,600	664	346	705	1,040	e1,600	325	1,760
20	372	572	487	395	2,200	637	327	663	900	2,020	304	2,110
21	359	581	459	396	1,710	609	319	581	844	1,880	292	2,070
22	347	617	440	385	1,350	582	315	538	818	1,450	316	1,640
23	338	602	431	366	1,190	556	e305	526	690	999	325	1,060
24	329	515	449	354	1,240	533	293	493	672	752	313	744
25	321	491	473	346	1,340	516	288	441	819	664	301	625
26	327	468	484	429	1,490	507	282	397	1,130	602	284	563
27	398	442	499	633	1,680	501	281	369	1,200	568	267	557
28	458	520	487	605	1,750	490	274	345	1,280	662	255	545
29	533	604	455	537	1,670	486	266	325	1,480	718	249	539
30	567	609	448	511	---	501	448	312	1,840	630	246	532
31	544	---	466	471	---	542	---	305	---	587	246	---
MEAN	431	437	487	429	1,432	755	386	822	955	1,087	371	679
MAX	616	617	602	633	2,670	1,510	543	2,010	1,840	2,020	540	2,110
MIN	321	312	431	346	457	486	266	305	393	568	246	238
CFSM	0.93	0.94	1.05	0.92	3.09	1.63	0.83	1.77	2.06	2.34	0.80	1.46
IN.	1.07	1.05	1.21	1.07	3.33	1.88	0.93	2.04	2.30	2.70	0.92	1.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	325	528	519	564	727	1,238	894	441	571	623	573	537
MAX	596	1,546	1,075	1,088	1,432	2,347	1,512	822	955	1,193	1,409	923
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)
MIN	141	159	194	239	293	590	386	194	151	149	142	159
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL MEAN	1,011		686		628	
HIGHEST ANNUAL MEAN					1,166	2003
LOWEST ANNUAL MEAN					294	2000
HIGHEST DAILY MEAN	3,960	Apr 12	2,670	Feb 18	3,960	Apr 12, 2003
LOWEST DAILY MEAN	312	Nov 17	238	Sep 5	124	Aug 24, 2000
ANNUAL SEVEN-DAY MINIMUM	325	Nov 12	242	Aug 31	125	Oct 31, 2000
MAXIMUM PEAK FLOW			2,720	Feb 18	4,070	Apr 12, 2003
MAXIMUM PEAK STAGE			13.78	Feb 18	16.08	Apr 12, 2003
INSTANTANEOUS LOW FLOW			231	Sep 6	120	Aug 25, 2000
ANNUAL RUNOFF (CFSM)	2.18		1.48		1.35	
ANNUAL RUNOFF (INCHES)	29.57		20.13		18.38	
10 PERCENT EXCEEDS	1,950		1,510		1,380	
50 PERCENT EXCEEDS	798		514		440	
90 PERCENT EXCEEDS	396		318		163	

e Estimated

02358795 JACKSON BLUE SPRING NEAR MARIANNA, FL

LOCATION.--Lat 30° 47'25", long 85° 08'26", in NW$^1/_4$ sec. 33, T. 5N., R. 9W., Jackson County, Hydrologic Unit 03130012, at spring vent inside Blue Springs Park, at northeast end of Merritt's Mill Pond reservoir, 0.1 mi southeast of State Road 164, 3.3 mi east of State Highway 71, and 5.2 mi east of Marianna.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1929 to October 1947, August 1973 to February 1985 (miscellaneous discharge measurements), April 2003 to September 2004 (fragmentary). Prior to October 1985, published as Blue Spring near Marianna.

GAGE.--Water-stage recorder. Datum of gage is not determined.

REMARKS.--Records poor. Spring flow affected by Merritt's Mill Pond reservoir at all times.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	295	250	248	272	289
2	---	---	---	---	---	---	---	297	251	272	312	286
3	---	---	---	---	---	---	---	294	254	251	298	304
4	---	---	---	---	---	---	---	290	250	216	291	319
5	---	---	---	---	---	---	---	287	245	202	285	296
6	---	---	---	---	---	---	---	285	244	232	285	231
7	---	---	---	---	---	---	---	284	258	274	286	216
8	---	---	---	---	---	---	---	280	252	296	283	219
9	---	---	---	---	---	---	---	278	243	295	280	217
10	---	---	---	---	---	---	---	276	257	276	280	218
11	---	---	---	---	---	---	---	276	257	226	279	215
12	---	---	---	---	---	---	---	272	266	212	286	220
13	---	---	---	---	---	---	---	268	264	208	290	221
14	---	---	---	---	---	---	---	267	285	199	291	229
15	---	---	---	---	---	---	---	265	312	198	308	242
16	---	---	---	---	---	---	---	265	312	198	320	241
17	---	---	---	---	---	---	---	265	260	210	328	174
18	---	---	---	---	---	---	---	262	273	236	325	180
19	---	---	---	---	---	---	---	275	276	226	323	172
20	---	---	---	---	---	---	---	269	255	222	318	165
21	---	---	---	---	---	---	---	265	267	223	309	201
22	---	---	---	---	---	---	---	270	303	252	303	246
23	---	---	---	---	---	---	303	267	315	263	302	229
24	---	---	---	---	---	---	305	263	280	257	300	238
25	---	---	---	---	---	---	320	260	262	255	300	208
26	---	---	---	---	---	---	324	258	252	250	302	183
27	---	---	---	---	---	---	311	257	245	254	293	195
28	---	---	---	---	---	---	303	253	240	255	286	222
29	---	---	---	---	---	---	299	254	243	267	290	210
30	---	---	---	---	---	---	296	251	240	274	295	153
31	---	---	---	---	---	---	---	254	---	257	292	---
MEAN	---	---	---	---	---	---	---	271	264	242	297	225
MAX	---	---	---	---	---	---	---	297	315	296	328	319
MIN	---	---	---	---	---	---	---	251	240	198	272	153

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	271	264	242	297	225
MAX	---	---	---	---	---	---	---	271	264	242	297	225
(WY)	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	---	---	---	---	---	---	---	271	264	242	297	225
(WY)	---	---	---	---	---	---	---	(2003)	(2003)	(2003)	(2003)	(2003)

02358795 JACKSON BLUE SPRING NEAR MARIANNA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	---	160	118	92	---	---	167	114	121	---	83
2	106	---	166	115	99	---	---	166	124	124	---	77
3	80	---	121	121	102	---	---	164	127	133	---	74
4	133	---	113	130	102	---	---	161	122	144	---	86
5	189	---	118	134	105	---	116	160	107	152	97	102
6	201	---	121	104	131	---	---	139	106	162	---	140
7	189	---	127	90	148	---	---	131	107	168	---	163
8	268	---	135	90	146	---	---	129	104	175	---	103
9	283	---	107	97	158	---	---	131	100	166	---	80
10	257	---	111	92	168	---	---	129	100	134	---	79
11	286	---	100	80	180	---	---	119	97	128	---	84
12	367	---	99	77	182	---	---	126	91	124	---	90
13	389	---	108	78	135	---	---	132	90	125	---	94
14	309	---	139	83	147	---	---	132	97	138	---	87
15	201	---	140	85	156	---	---	118	99	149	---	e110
16	135	---	147	84	148	---	---	117	107	163	120	134
17	103	140	161	87	150	---	---	120	113	134	124	127
18	127	109	166	98	157	---	---	118	111	122	108	117
19	173	119	154	97	167	---	156	121	109	117	99	111
20	197	100	105	95	177	---	160	129	109	121	92	119
21	---	101	92	96	184	---	157	131	107	125	91	124
22	---	86	95	98	192	---	133	128	101	120	93	131
23	---	88	105	99	207	---	127	126	98	115	93	132
24	---	110	115	102	197	---	131	124	99	111	89	137
25	---	107	93	111	183	---	137	124	100	117	87	133
26	---	87	88	136	---	---	147	120	111	120	86	145
27	---	88	90	160	---	---	150	106	124	116	89	177
28	---	131	96	160	---	---	127	99	132	118	99	154
29	---	132	107	154	---	---	127	97	140	125	107	141
30	---	147	126	109	---	---	170	98	136	129	104	127
31	---	---	141	91	---	---	---	102	---	---	88	---
MEAN	---	---	121	106	---	---	---	128	109	---	---	115
MAX	---	---	166	160	---	---	---	167	140	---	---	177
MIN	---	---	88	77	---	---	---	97	90	---	---	74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	---	---	121	106	---	---	---	199	187	242	297	170
MAX	---	---	121	106	---	---	---	271	264	242	297	225
(WY)	---	---	(2004)	(2004)	---	---	---	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	---	---	121	106	---	---	---	128	109	242	297	115
(WY)	---	---	(2004)	(2004)	---	---	---	(2004)	(2004)	(2003)	(2003)	(2004)

SUMMARY STATISTICS — WATER YEARS 2003 - 2004

HIGHEST DAILY MEAN	389	Oct 13, 2003
LOWEST DAILY MEAN	74	Sep 3, 2004
ANNUAL SEVEN-DAY MINIMUM	82	Jan 11, 2004
MAXIMUM PEAK FLOW	410	Oct 13, 2003
MAXIMUM PEAK STAGE	13.86	Oct 13, 2003
INSTANTANEOUS LOW FLOW	70	Sep 3, 2004

e Estimated

02359000 CHIPOLA RIVER NEAR ALTHA, FL

LOCATION.--Lat 30° 32'02", long 85° 09'55", in NW$^1/_4$ sec. 32, T.2 N., R.9 W., Calhoun County, Hydrologic Unit 03130012, on right downstream bank at State Highway 274, 0.9 mi downstream from Holliman Branch, 3.5 mi southwest of Altha, and 54 mi upstream from mouth.

DRAINAGE AREA.--781 mi^2.

PERIOD OF RECORD.--November 1912 to December 1913, September 1921 to September 1927, August 1929 to September 1931, March 1943 to current year. Monthly discharge only for some periods published in WSP 1304.

REVISED RECORDS.--WSP 1384: Drainage area. WSP 1504: 1924, 1925 (M), 1926.

GAGE.--Water-stage recorder. Datum of gage is 19.95 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 13, 1950, and Mar. 13, 1978 to Mar. 20, 1979, nonrecording gage at same site and datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,010	1,050	1,120	966	1,010	2,470	1,060	1,410	758	2,390	962	722
2	998	974	1,100	955	1,030	2,290	1,030	1,790	910	2,340	930	697
3	969	930	1,080	942	1,050	2,090	1,000	2,090	1,080	2,360	967	684
4	928	913	1,030	928	1,060	1,950	962	2,280	1,290	2,360	949	661
5	910	931	995	921	1,040	1,850	931	2,370	1,610	2,280	908	655
6	909	943	971	924	1,130	1,790	907	2,340	1,950	2,150	859	648
7	951	926	955	908	1,480	1,710	895	2,220	2,090	1,960	808	719
8	980	918	938	897	1,490	1,640	903	1,840	1,960	1,730	761	785
9	938	887	947	897	1,580	1,570	904	1,350	1,600	1,460	752	767
10	954	861	958	903	1,980	1,510	898	1,120	1,290	1,290	830	811
11	989	878	942	905	2,340	1,440	889	1,030	1,110	1,160	1,080	844
12	1,200	856	933	891	2,480	1,390	887	967	1,090	1,100	1,230	847
13	1,210	848	929	883	2,420	1,340	928	943	1,040	1,040	1,370	808
14	1,300	835	998	875	2,510	1,300	967	968	950	1,020	1,250	827
15	1,240	830	1,030	869	2,760	1,260	940	1,100	958	1,100	1,100	923
16	1,130	814	1,040	862	2,840	1,270	921	1,170	1,020	1,100	993	2,730
17	1,040	810	1,080	859	2,950	1,280	887	1,130	1,090	1,220	970	3,530
18	970	830	1,080	883	3,070	1,300	853	1,180	1,260	1,530	878	3,120
19	917	941	1,040	889	3,140	1,260	827	1,130	1,410	2,040	822	2,830
20	895	1,020	1,000	880	3,030	1,210	809	1,090	1,390	2,300	795	2,850
21	895	1,060	955	873	2,730	1,160	796	1,030	1,260	2,370	791	2,870
22	889	1,070	927	868	2,330	1,120	806	995	1,330	2,160	832	2,700
23	867	1,090	920	853	2,050	1,080	783	946	1,330	1,720	843	2,250
24	851	1,060	948	841	2,370	1,050	765	915	1,220	1,320	826	1,710
25	844	1,010	964	833	2,600	1,030	752	876	1,240	1,110	794	1,400
26	850	986	960	933	2,620	1,040	749	837	1,470	1,030	762	1,220
27	894	953	967	1,270	2,650	1,050	749	809	1,880	1,010	722	1,390
28	1,010	1,040	965	1,240	2,680	1,000	749	780	1,970	1,030	694	1,380
29	1,130	1,150	942	1,120	2,610	986	724	754	2,100	1,140	684	1,230
30	1,170	1,160	958	1,090	---	1,000	913	734	2,300	1,070	682	1,160
31	1,110	---	934	1,030	---	1,030	---	721	---	1,020	708	---
MEAN	998	952	987	935	2,173	1,402	873	1,255	1,399	1,578	889	1,459
MAX	1,300	1,160	1,120	1,270	3,140	2,470	1,060	2,370	2,300	2,390	1,370	3,530
MIN	844	810	920	833	1,010	986	724	721	758	1,010	682	648
IN.	1.47	1.36	1.46	1.38	3.00	2.07	1.25	1.85	2.00	2.33	1.31	2.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2004, BY WATER YEAR (WY)

MEAN	1,083	984	1,234	1,760	2,105	2,386	2,064	1,327	1,231	1,287	1,201	1,152
MAX	6,000	2,871	3,617	5,936	5,687	5,465	7,200	3,890	3,636	5,353	3,273	7,642
(WY)	(1927)	(2003)	(1948)	(1926)	(1926)	(1998)	(1948)	(1964)	(1989)	(1994)	(1946)	(1926)
MIN	379	370	394	473	563	540	757	587	462	460	417	397
(WY)	(1969)	(1991)	(1956)	(1956)	(2002)	(1955)	(1968)	(2002)	(2000)	(2000)	(2000)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1913 - 2004	
ANNUAL MEAN	1,908		1,237		1,485	
HIGHEST ANNUAL MEAN					2,977	1948
LOWEST ANNUAL MEAN					613	1955
HIGHEST DAILY MEAN	5,680	Mar 10	3,530	Sep 17	21,000	Sep 19, 1926
LOWEST DAILY MEAN	810	Nov 17	648	Sep 6	312	Jun 18, 1972
ANNUAL SEVEN-DAY MINIMUM	832	Nov 12	682	Aug 31	336	Oct 27, 1968
MAXIMUM PEAK FLOW			3,610	Sep 16	25,000	Sep 20, 1926
MAXIMUM PEAK STAGE			16.61	Sep 17	33.55	Sep 20, 1926
INSTANTANEOUS LOW FLOW			615	Sep 6	309	Nov 18, 1990
ANNUAL RUNOFF (INCHES)	33.16		21.57		25.83	
10 PERCENT EXCEEDS	3,350		2,280		2,760	
50 PERCENT EXCEEDS	1,680		1,020		1,110	
90 PERCENT EXCEEDS	942		809		610	

02359051 CHIPOLA RIVER AT COCKRAN LANDING NEAR WEWAHITCHKA, FL

LOCATION.--Lat 30° 06'01", long 85° 10'53", NE$^1/_4$ sec.30, T.4 S., R.9 W., Gulf County, Hydrologic Unit 03130012, on left bank at Cockran Landing, 2.34 mi downstream from Dead Lake, 1.45 mi southeast of Wewahitchka and 11.5 mi upstream from mouth.

DRAINAGE AREA.--1,206 mi^2, approximately.

PERIOD OF RECORD.-- October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--2003 and 2004 water year: No estimated daily discharges. Records good. Discharge for main channel only and includes flow diverted from the Apalachicola River through the Chipola Cutoff.

COOPERATION.--Records from October 1987 to current year, were collected and computed by U.S. Army Corps of Engineers and were reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, July 12, 1994, gage height 25.16 ft; minimum discharge 2,460 ft^3/s, Aug. 9, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of January 1978 reached a stage of 25.64 ft.

EXTREMES FOR CURRENT YEAR.--2003 water year: Maximum daily discharge, 13,700 ft^3/s, Mar. 12-13, gage height, 19.62 ft, Mar. 13; minimum daily discharge, 3,800 ft^3/s, Oct. 13.

2004 water year: Maximum daily discharge, 12,700 ft^3/s, Sept. 22, gage height, 19.36 ft; minimum daily discharge 3,840 ft^3/s, June 1.

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,700	6,880	7,170	12,300	5,580	12,400	10,800	9,960	9,310	9,720	9,940	8,060
2	4,610	6,970	6,740	12,200	5,750	12,900	10,300	9,880	9,010	10,400	10,400	8,020
3	4,470	6,730	6,460	11,900	5,900	13,100	9,800	9,650	8,690	10,800	10,600	8,060
4	4,350	6,310	6,350	11,600	6,020	13,200	9,420	9,410	8,410	11,200	10,500	8,010
5	4,260	5,930	6,450	11,300	6,180	13,200	9,150	9,200	8,140	11,500	10,400	7,800
6	4,170	5,940	6,500	11,000	6,430	13,200	8,870	9,030	7,970	11,900	10,300	7,580
7	4,110	5,910	6,510	10,600	6,740	13,000	8,660	8,810	8,000	12,200	10,400	7,540
8	4,080	5,990	6,510	10,000	7,130	12,700	8,600	8,710	8,230	12,100	10,500	7,550
9	4,060	6,010	6,480	9,520	7,370	13,000	8,840	8,690	8,600	11,700	10,600	7,480
10	4,040	5,990	6,350	10,600	7,460	13,200	9,520	8,890	9,050	11,300	10,600	7,370
11	3,940	5,940	6,130	8,730	7,370	13,400	10,400	9,310	9,450	10,900	10,700	7,340
12	3,840	6,050	5,940	8,340	7,430	13,700	11,300	9,910	9,800	10,500	10,700	7,350
13	3,800	6,930	5,940	8,030	7,540	13,700	12,100	10,700	10,000	10,200	11,000	7,320
14	3,900	8,590	6,150	7,780	7,580	13,600	12,400	11,700	9,960	9,910	11,100	7,220
15	4,040	9,820	6,360	7,510	7,610	13,400	12,400	12,200	9,670	9,710	10,900	6,940
16	4,220	10,700	6,560	7,170	7,940	13,100	12,100	12,100	9,400	9,560	10,500	6,550
17	4,340	11,000	6,710	6,750	8,270	12,800	11,500	11,600	9,420	9,460	10,200	6,180
18	4,370	11,100	6,830	6,430	8,610	12,400	11,000	10,900	9,650	9,500	9,880	5,870
19	4,360	11,200	6,900	6,370	8,800	12,100	10,400	10,300	9,830	9,600	9,610	5,620
20	4,470	11,200	6,990	6,320	8,980	11,900	9,830	9,820	10,200	9,710	9,320	5,360
21	4,640	11,100	7,220	6,300	9,280	12,100	9,320	9,560	10,700	9,690	9,050	5,170
22	4,710	10,900	7,460	6,290	9,650	12,600	8,900	9,620	11,100	9,670	8,850	5,100
23	4,820	10,600	7,510	6,300	9,940	12,700	8,490	9,790	11,400	9,730	8,830	5,220
24	5,100	10,200	7,870	6,240	10,200	12,800	8,170	9,990	11,700	9,890	8,870	5,320
25	5,240	9,650	8,610	6,130	10,300	12,900	8,050	10,200	11,700	10,100	8,880	5,430
26	5,270	9,180	9,490	5,970	10,400	12,900	7,970	10,300	11,500	10,300	8,810	5,480
27	5,150	8,640	10,300	5,840	11,100	12,800	8,130	10,400	11,000	10,200	8,680	5,530
28	4,990	8,110	10,900	5,750	11,500	12,400	8,630	10,400	10,500	10,100	8,500	5,670
29	4,880	7,730	11,300	5,690	---	12,000	9,230	10,200	10,200	9,860	8,340	5,710
30	5,320	7,430	11,700	5,670	---	11,600	9,750	9,940	9,880	9,600	8,210	5,670
31	6,270	---	12,100	5,580	---	11,200	---	9,600	---	9,620	8,110	---
MEAN	4,533	8,291	7,564	8,071	8,109	12,770	9,801	10,020	9,749	10,340	9,783	6,584
MAX	6,270	11,200	12,100	12,300	11,500	13,700	12,400	12,200	11,700	12,200	11,100	8,060
MIN	3,800	5,910	5,940	5,580	5,580	11,200	7,970	8,690	7,970	9,460	8,110	5,100
IN.	4.33	7.67	7.23	7.72	7.00	12.21	9.07	9.59	9.02	9.89	9.35	6.09

WTR YR 2003 MEAN 8810 MAX 13700 MIN 3800 IN. 99.19

02359051 CHIPOLA RIVER AT COCKRAN LANDING NEAR WEWAHITCHKA, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.05	14.70	15.03	18.72	13.45	18.93	18.28	17.97	17.63	17.94	18.09	16.62
2	11.94	14.78	14.62	18.65	13.65	19.18	18.00	17.93	17.40	18.35	18.38	16.58
3	11.75	14.55	14.34	18.50	13.83	19.28	17.69	17.77	17.15	18.64	18.47	16.62
4	11.58	14.12	14.23	18.34	13.97	19.33	17.42	17.60	16.92	18.85	18.46	16.57
5	11.45	13.70	14.34	18.19	14.16	19.34	17.21	17.45	16.69	19.02	18.37	16.38
6	11.33	13.71	14.39	18.04	14.44	19.32	17.00	17.32	16.54	19.24	18.30	16.18
7	11.25	13.67	14.40	17.78	14.75	19.25	16.85	17.16	16.56	19.37	18.37	16.15
8	11.20	13.76	14.40	17.45	15.12	19.10	16.80	17.09	16.77	19.32	18.42	16.16
9	11.17	13.80	14.37	17.09	15.35	19.25	17.00	17.07	17.08	19.11	18.47	16.09
10	11.15	13.77	14.25	17.78	15.44	19.37	17.53	17.24	17.43	18.89	18.50	15.99
11	10.99	13.72	14.00	16.49	15.36	19.46	18.14	17.57	17.74	18.68	18.53	15.96
12	10.84	13.85	13.78	16.17	15.42	19.58	18.67	18.01	18.00	18.45	18.57	15.97
13	10.78	14.76	13.78	15.90	15.53	19.62	19.05	18.53	18.15	18.22	18.75	15.94
14	10.95	16.27	14.02	15.68	15.56	19.56	19.23	19.06	18.10	18.07	18.80	15.85
15	11.17	17.21	14.27	15.44	15.60	19.49	19.24	19.34	17.90	17.93	18.66	15.58
16	11.43	17.76	14.47	15.12	15.91	19.37	19.06	19.30	17.70	17.82	18.43	15.20
17	11.60	17.94	14.62	14.72	16.20	19.24	18.79	19.02	17.72	17.75	18.23	14.80
18	11.64	18.00	14.74	14.40	16.50	19.05	18.50	18.65	17.89	17.78	18.05	14.45
19	11.63	18.07	14.80	14.34	16.65	18.89	18.16	18.31	18.02	17.85	17.86	14.15
20	11.79	18.07	14.90	14.30	16.80	18.83	17.82	18.00	18.25	17.93	17.64	13.83
21	12.03	18.00	15.12	14.27	17.04	18.94	17.45	17.82	18.54	17.92	17.43	13.59
22	12.13	17.89	15.34	14.26	17.32	19.15	17.13	17.87	18.78	17.90	17.28	13.50
23	12.27	17.70	15.39	14.27	17.53	19.23	16.81	17.99	18.95	17.95	17.26	13.65
24	12.64	17.45	15.72	14.20	17.67	19.26	16.54	18.12	19.10	18.06	17.29	13.78
25	12.83	17.11	16.36	14.09	17.78	19.30	16.44	18.22	19.13	18.18	17.30	13.91
26	12.86	16.75	17.05	13.90	17.84	19.33	16.38	18.30	19.00	18.28	17.25	13.97
27	12.71	16.33	17.62	13.75	18.25	19.29	16.53	18.35	18.75	18.27	17.14	14.04
28	12.51	15.88	17.97	13.64	18.49	19.12	16.95	18.36	18.43	18.18	17.00	14.20
29	12.37	15.54	18.21	13.57	---	18.92	17.43	18.27	18.25	18.04	16.86	14.25
30	12.94	15.28	18.39	13.54	---	18.74	17.82	18.09	18.05	17.85	16.75	14.21
31	14.07	---	18.59	13.45	---	18.52	---	17.85	---	17.87	16.66	---
MEAN	11.84	15.80	15.27	15.68	15.91	19.20	17.66	18.05	17.89	18.31	17.92	15.14
MAX	14.07	18.07	18.59	18.72	18.49	19.62	19.24	19.34	19.13	19.37	18.80	16.62
MIN	10.78	13.67	13.78	13.45	13.45	18.52	16.38	17.07	16.54	17.75	16.66	13.50

WTR YR 2003 MEAN 16.56 MAX 19.62 MIN 10.78

02359051 CHIPOLA RIVER AT COCKRAN LANDING NEAR WEWAHITCHKA, FL—Continued

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,400	4,990	6,810	4,860	8,830	9,810	5,350	4,560	3,840	6,560	4,880	4,090
2	5,600	4,920	6,690	4,940	8,740	9,760	5,330	4,770	3,870	6,710	4,840	4,020
3	5,700	4,780	6,620	5,000	8,410	9,710	5,320	4,940	3,870	6,820	4,720	3,980
4	5,620	4,660	6,600	5,000	8,100	9,730	5,310	5,000	3,920	6,930	5,360	3,940
5	5,450	4,680	6,640	4,970	7,910	9,710	5,280	5,110	3,960	6,950	4,580	3,890
6	5,200	4,780	6,770	4,920	7,860	9,590	5,240	5,360	4,010	6,900	4,540	3,880
7	4,920	4,800	7,010	4,920	7,950	9,350	5,210	5,550	4,070	6,840	4,470	4,120
8	4,670	4,780	7,260	4,970	8,130	9,050	5,220	5,710	4,160	6,750	4,430	4,920
9	4,430	4,790	7,450	5,050	8,530	8,720	5,220	5,790	4,230	6,650	4,390	5,750
10	4,280	4,770	7,610	5,170	8,930	8,340	5,220	5,690	4,320	6,560	4,450	6,400
11	4,350	4,730	7,670	5,400	9,280	7,810	5,220	5,510	4,330	6,440	4,630	6,830
12	4,570	4,610	7,510	5,850	9,540	7,370	5,230	5,290	4,310	6,310	5,110	7,150
13	4,670	4,450	7,190	6,240	9,750	7,130	5,280	5,090	4,230	6,230	5,870	7,290
14	4,900	4,360	6,840	6,400	9,920	6,870	5,280	4,920	4,160	6,090	6,180	7,270
15	5,260	4,380	6,560	6,430	10,200	6,600	5,270	4,780	4,100	5,970	6,100	7,370
16	5,380	4,380	6,450	6,430	10,600	6,310	5,250	4,680	4,100	5,940	5,760	8,150
17	5,390	4,380	6,440	6,420	11,000	6,050	5,240	4,670	4,160	5,850	5,410	9,640
18	5,540	4,360	6,430	6,480	11,300	5,910	5,200	4,660	4,260	5,820	5,130	11,000
19	5,710	4,420	6,400	6,470	11,400	5,950	5,170	4,590	4,420	5,870	4,910	11,700
20	5,760	4,570	6,300	6,410	11,400	5,720	5,150	4,480	4,570	5,950	4,710	12,200
21	5,760	4,770	6,140	6,090	11,300	5,660	5,110	4,400	4,660	5,910	4,590	12,500
22	5,800	4,950	5,920	5,660	11,100	5,520	5,080	4,390	4,680	5,810	4,520	12,700
23	5,760	5,210	5,710	5,250	10,900	5,380	5,000	4,380	4,760	5,670	4,510	12,500
24	5,610	5,680	5,570	4,960	11,000	5,290	4,890	4,350	4,850	5,530	4,510	12,100
25	5,360	6,170	5,460	4,810	11,000	5,260	4,780	4,300	5,010	5,350	4,470	11,600
26	5,140	6,510	5,390	4,880	10,900	5,440	4,680	4,270	5,080	5,190	4,380	11,100
27	4,970	6,730	5,300	5,280	10,600	5,400	4,590	4,210	5,200	5,090	4,310	10,800
28	4,820	6,900	5,140	6,250	10,300	5,400	4,500	4,090	5,570	4,980	4,260	10,500
29	4,710	7,000	4,970	7,240	9,970	5,370	4,450	3,990	5,960	4,900	4,210	10,200
30	4,770	6,940	4,910	8,010	---	5,370	4,450	3,910	6,290	4,940	4,170	9,800
31	4,890	---	4,850	8,320	---	5,370	---	3,860	---	4,920	3,940	---
MEAN	5,174	5,115	6,342	5,777	9,822	7,063	5,084	4,752	4,498	6,014	4,785	8,246
MAX	5,800	7,000	7,670	8,320	11,400	9,810	5,350	5,790	6,290	6,950	6,180	12,700
MIN	4,280	4,360	4,850	4,810	7,860	5,260	4,450	3,860	3,840	4,900	3,940	3,880
IN.	4.95	4.73	6.06	5.52	8.79	6.75	4.70	4.54	4.16	5.75	4.58	7.63

CAL YR 2003 MEAN 8500 MAX 13700 MIN 4280 IN. 95.70
WTR YR 2004 MEAN 6039 MAX 12700 MIN 3840 IN. 68.18

02359051 CHIPOLA RIVER AT COCKRAN LANDING NEAR WEWAHITCHKA, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.28	13.74	15.87	13.56	17.32	17.66	13.66	12.64	11.55	15.20	13.22	12.09
2	14.52	13.64	15.74	13.67	17.26	17.62	13.64	12.94	11.60	15.35	13.17	11.99
3	14.64	13.45	15.67	13.76	17.04	17.58	13.62	13.17	11.60	15.47	13.00	11.92
4	14.55	13.29	15.65	13.76	16.82	17.58	13.61	13.26	11.69	15.58	13.86	11.86
5	14.34	13.32	15.69	13.72	16.66	17.56	13.57	13.41	11.75	15.60	12.80	11.77
6	14.02	13.46	15.82	13.65	16.60	17.48	13.52	13.74	11.83	15.55	12.74	11.77
7	13.65	13.48	16.06	13.65	16.67	17.32	13.50	13.97	11.94	15.49	12.65	12.16
8	13.30	13.45	16.29	13.72	16.80	17.13	13.51	14.17	12.09	15.40	12.59	13.34
9	12.96	13.47	16.46	13.83	17.06	16.91	13.51	14.26	12.20	15.30	12.53	14.40
10	12.71	13.44	16.60	13.99	17.30	16.65	13.51	14.14	12.34	15.20	12.63	15.13
11	12.82	13.39	16.65	14.28	17.51	16.25	13.51	13.92	12.36	15.08	12.88	15.60
12	13.15	13.21	16.51	14.82	17.66	15.86	13.52	13.66	12.32	14.94	13.55	15.90
13	13.30	12.99	16.23	15.26	17.77	15.63	13.59	13.40	12.20	14.85	14.48	16.03
14	13.62	12.84	15.90	15.44	17.86	15.38	13.59	13.17	12.08	14.70	14.84	16.01
15	14.10	12.87	15.61	15.46	18.00	15.08	13.58	12.97	12.00	14.57	14.76	16.11
16	14.25	12.88	15.49	15.45	18.25	14.76	13.56	12.84	12.00	14.54	14.36	16.77
17	14.26	12.87	15.48	15.43	18.46	14.47	13.54	12.82	12.09	14.43	13.94	17.71
18	14.45	12.84	15.47	15.48	18.60	14.31	13.49	12.81	12.26	14.40	13.58	18.46
19	14.65	12.94	15.43	15.46	18.64	14.36	13.47	12.72	12.51	14.45	13.28	18.85
20	14.72	13.15	15.33	15.39	18.64	14.40	13.44	12.56	12.73	14.55	13.00	19.11
21	14.72	13.44	15.15	15.03	18.58	14.32	13.39	12.43	12.85	14.50	12.84	19.29
22	14.76	13.69	14.91	14.52	18.45	14.15	13.34	12.42	12.90	14.39	12.75	19.36
23	14.71	14.04	14.65	14.00	18.31	13.98	13.23	12.40	13.00	14.23	12.73	19.28
24	14.53	14.62	14.49	13.60	18.35	13.87	13.09	12.36	13.13	14.05	12.73	19.09
25	14.23	15.19	14.35	13.39	18.35	13.83	12.94	12.28	13.35	13.83	12.68	18.83
26	13.94	15.55	14.26	13.47	18.29	13.76	12.80	12.24	13.44	13.63	12.54	18.55
27	13.72	15.78	14.15	14.00	18.14	13.71	12.67	12.15	13.60	13.50	12.44	18.37
28	13.51	15.96	13.94	15.13	17.94	13.71	12.54	11.95	14.07	13.35	12.36	18.21
29	13.36	16.05	13.71	16.12	17.76	13.68	12.48	11.78	14.53	13.24	12.29	18.04
30	13.44	16.00	13.63	16.78	---	13.68	12.49	11.66	14.91	13.30	12.22	17.83
31	13.61	---	13.55	17.16	---	13.68	---	11.59	---	13.27	12.17	---
MEAN	13.96	13.83	15.31	14.61	17.76	15.37	13.33	12.90	12.56	14.58	13.08	16.13
MAX	14.76	16.05	16.65	17.16	18.64	17.66	13.66	14.26	14.91	15.60	14.84	19.36
MIN	12.71	12.84	13.55	13.39	16.60	13.68	12.48	11.59	11.55	13.24	12.17	11.77

CAL YR 2003 MEAN 16.58 MAX 19.62 MIN 12.71
WTR YR 2004 MEAN 14.44 MAX 19.36 MIN 11.55

02359170 APALACHICOLA RIVER NEAR SUMATRA, FL

LOCATION.--Lat 29° 56'57", Long 85° 00'56", in SW$^1/_4$ sec.14, T.6 S., R.8 W., Franklin County, Hydrologic Unit 03130011, on left bank at Brickyard Landing, 0.5 mi north of Fort Gadsden, 5.3 mi southwest of Sumatra, and 20.6 mi upstream from mouth.

DRAINAGE AREA.--19,200 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD FL-98-4: 1994-97.

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

REMARKS.--No estimated daily discharges. Records good. Discharges below 15,000 ft^3/s are tide affected.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16,000	13,400	24,200	12,700	33,400	34,200	14,300	12,500	10,500	18,900	13,900	11,600
2	16,900	13,200	23,200	12,900	34,100	33,800	14,200	12,700	10,700	19,800	13,700	11,400
3	17,900	12,900	22,900	13,100	33,100	33,600	14,200	13,300	10,700	20,500	13,300	11,300
4	18,200	12,900	23,200	13,200	31,400	33,800	14,200	13,000	10,700	21,300	12,900	10,900
5	17,200	13,200	23,300	13,300	30,000	34,100	14,200	12,900	10,800	21,900	12,800	10,300
6	15,900	13,500	23,300	13,000	29,600	34,300	14,200	13,400	10,900	21,600	12,500	10,100
7	14,300	13,400	24,200	12,700	29,600	33,600	14,200	14,300	11,000	21,300	12,600	11,500
8	12,900	13,200	25,600	12,900	29,200	32,400	14,300	14,600	11,100	21,200	12,500	13,000
9	12,300	13,100	26,900	13,300	29,900	30,900	14,300	14,900	11,500	20,700	12,400	16,600
10	11,900	12,900	29,000	13,900	31,600	29,300	14,300	14,900	11,700	20,400	12,400	20,800
11	12,000	12,900	29,300	14,500	33,600	27,400	14,200	14,800	11,700	19,900	12,700	23,000
12	13,400	12,900	28,700	17,500	35,100	25,100	14,500	14,600	11,500	19,600	13,200	24,600
13	13,300	12,300	27,600	20,500	36,100	23,300	14,600	14,300	11,400	19,500	15,700	25,700
14	13,400	11,800	26,500	22,200	37,500	22,000	14,200	13,800	11,300	19,000	18,000	25,900
15	14,600	12,200	24,300	22,700	37,800	20,500	14,100	13,200	11,400	18,100	18,700	26,900
16	15,800	12,500	23,000	22,600	38,200	18,800	14,100	12,900	11,600	18,700	17,700	33,900
17	16,300	12,400	22,500	22,700	40,200	16,800	14,200	12,800	11,400	18,500	15,500	35,000
18	16,900	12,500	21,900	24,000	43,000	15,300	14,200	12,700	12,200	18,500	14,500	35,800
19	17,900	13,100	21,700	24,000	44,900	15,100	14,200	12,700	12,400	18,200	14,100	38,700
20	18,700	12,500	21,100	23,000	45,600	15,400	14,200	12,500	12,500	17,500	13,400	43,700
21	18,700	12,700	20,400	21,400	45,200	15,300	14,100	12,200	12,700	16,800	12,900	49,600
22	18,800	13,300	19,600	19,000	43,900	14,900	14,200	12,000	12,900	15,700	12,700	55,900
23	18,700	15,200	18,500	15,600	42,500	14,500	14,000	12,100	13,200	14,900	12,600	60,200
24	18,200	18,100	18,000	13,000	43,000	14,400	13,500	11,900	13,300	14,800	12,500	59,700
25	17,100	20,200	16,500	12,900	43,700	14,400	13,000	11,700	13,500	14,600	12,300	55,200
26	16,400	22,200	15,600	13,100	41,400	14,400	12,900	11,400	13,800	14,400	12,200	49,100
27	15,200	23,800	14,900	14,800	39,000	14,300	12,500	11,100	14,100	14,300	12,100	45,000
28	14,800	25,100	14,200	19,200	36,900	14,300	12,100	10,900	14,300	14,100	12,000	41,100
29	13,400	25,000	13,300	24,200	35,200	14,300	12,200	10,700	15,700	13,900	11,900	38,100
30	13,100	24,700	13,100	28,200	---	14,300	12,300	10,700	17,400	13,600	11,800	35,200
31	13,300	---	12,900	31,200	---	14,300	---	10,700	---	14,100	11,900	---
MEAN	15,600	15,240	21,590	17,980	37,060	22,230	13,860	12,780	12,260	17,950	13,460	30,990
MAX	18,800	25,100	29,300	31,200	45,600	34,300	14,600	14,900	17,400	21,900	18,700	60,200
MIN	11,900	11,800	12,900	12,700	29,200	14,300	12,100	10,700	10,500	13,600	11,800	10,100
IN.	0.94	0.89	1.30	1.08	2.08	1.34	0.81	0.77	0.71	1.08	0.81	1.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	14,600	15,910	23,040	28,880	39,440	45,550	34,800	23,910	19,500	21,360	18,990	16,390
MAX	40,720	32,420	52,700	62,310	71,920	95,690	78,430	46,350	40,380	81,670	42,360	33,700
(WY)	(1995)	(1978)	(1993)	(1998)	(1998)	(1998)	(1980)	(1991)	(2003)	(1994)	(1994)	(1994)
MIN	6,515	6,479	7,968	10,070	10,130	16,740	13,860	9,902	6,085	5,631	5,878	7,302
(WY)	(2001)	(2002)	(2002)	(2002)	(1989)	(2000)	(2004)	(2002)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL MEAN	31,480		19,170		25,130	
HIGHEST ANNUAL MEAN					38,760	1998
LOWEST ANNUAL MEAN					10,750	2002
HIGHEST DAILY MEAN	69,600	May 16	60,200	Sep 23	178,000	Mar 24, 1990
LOWEST DAILY MEAN	11,800	Nov 14	10,100	Sep 6	4,820	Nov 17, 2001
ANNUAL SEVEN-DAY MINIMUM	12,400	Nov 12	10,700	May 29	5,240	Nov 14, 2001
MAXIMUM PEAK FLOW			60,800	Sep 23	179,000	Mar 24, 1990
MAXIMUM PEAK STAGE			8.42	Sep 23	15.36	Mar 15, 1998
INSTANTANEOUS LOW FLOW			10,100	Sep 6	4,820	Nov 17, 2001
ANNUAL RUNOFF (INCHES)	22.26		13.59		17.78	
10 PERCENT EXCEEDS	52,900		34,000		47,700	
50 PERCENT EXCEEDS	30,200		14,600		19,200	
90 PERCENT EXCEEDS	13,600		11,900		9,020	

02359170 APALACHICOLA RIVER NEAR SUMATRA, FL—Continued

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14,400	13,400	17,100	12,700	19,700	19,900	14,300	12,500	10,500	15,800	13,900	11,600
2	14,700	13,200	16,800	12,900	19,800	19,800	14,200	12,700	10,700	16,000	13,700	11,400
3	15,100	12,900	16,700	13,100	19,600	19,700	14,200	13,300	10,700	16,100	13,300	11,300
4	15,200	12,900	16,800	13,200	19,200	19,800	14,200	13,000	10,700	16,300	12,900	10,900
5	14,900	13,200	16,900	13,300	18,800	19,900	14,200	12,900	10,800	16,400	12,800	10,300
6	14,400	13,500	16,900	13,000	18,700	19,900	14,200	13,400	10,900	16,300	12,500	10,100
7	13,900	13,400	17,100	12,700	18,700	19,700	14,200	14,300	11,000	16,200	12,600	11,500
8	12,900	13,200	17,600	12,900	18,600	19,400	14,300	14,600	11,100	16,200	12,500	13,000
9	12,300	13,100	17,900	13,300	18,800	19,000	14,300	14,900	11,500	16,100	12,400	15,300
10	11,900	12,900	18,500	13,700	19,200	18,600	14,300	14,900	11,700	16,100	12,400	16,200
11	12,000	12,900	18,600	13,900	19,700	18,100	14,200	14,800	11,700	16,000	12,700	16,800
12	13,400	12,900	18,400	15,000	20,100	17,400	14,500	14,600	11,500	15,900	13,200	17,200
13	13,300	12,300	18,100	16,000	20,300	16,900	14,600	14,300	11,400	15,900	15,200	17,600
14	13,400	11,800	17,800	16,500	20,700	16,500	14,200	13,800	11,300	15,800	15,600	17,600
15	13,900	12,200	17,200	16,700	20,800	16,100	14,100	13,200	11,400	15,700	15,800	17,900
16	14,400	12,500	16,800	16,700	20,800	15,800	14,100	12,900	11,600	15,800	15,600	19,800
17	14,500	12,400	16,600	16,700	21,300	15,400	14,200	12,800	11,400	15,700	15,200	20,100
18	14,700	12,500	16,400	17,100	21,900	15,100	14,200	12,700	12,200	15,700	14,500	20,300
19	15,100	13,100	16,300	17,100	22,300	15,100	14,200	12,700	12,400	15,700	14,100	21,000
20	15,400	12,500	16,200	16,800	22,500	15,100	14,200	12,500	12,500	15,600	13,400	22,100
21	15,400	12,700	15,900	16,300	22,400	15,100	14,100	12,200	12,700	15,400	12,900	23,300
22	15,400	13,300	15,700	15,500	22,100	14,900	14,200	12,000	12,900	15,200	12,700	24,300
23	15,400	14,100	15,300	14,300	21,800	14,500	14,000	12,100	13,200	14,900	12,600	24,800
24	15,200	15,200	15,100	13,000	21,900	14,400	13,500	11,900	13,300	14,800	12,500	24,700
25	14,800	15,900	14,600	12,900	22,100	14,400	13,000	11,700	13,500	14,600	12,300	24,300
26	14,600	16,500	14,300	13,100	21,600	14,400	12,900	11,400	13,800	14,400	12,200	23,700
27	14,400	17,000	14,000	14,000	21,000	14,300	12,500	11,100	14,100	14,300	12,100	23,000
28	14,000	17,400	13,800	15,500	20,500	14,300	12,100	10,900	14,300	14,100	12,000	22,300
29	13,400	17,400	13,300	17,100	20,100	14,300	12,200	10,700	15,200	13,900	11,900	21,700
30	13,100	17,300	13,100	18,300	---	14,300	12,300	10,700	15,500	13,600	11,800	21,200
31	13,300	---	12,900	19,100	---	14,300	---	10,700	---	14,100	11,900	---
MEAN	14,150	13,790	16,220	14,920	20,520	16,660	13,860	12,780	12,180	15,440	13,200	18,180
MAX	15,400	17,400	18,600	19,100	22,500	19,900	14,600	14,900	15,500	16,400	15,800	24,800
MIN	11,900	11,800	12,900	12,700	18,600	14,300	12,100	10,700	10,500	13,600	11,800	10,100

CAL YR 2003 MEAN 18,820 MAX 25600 MIN 11800
WTR YR 2004 MEAN 15,130 MAX 24800 MIN 10100

02359170 APALACHICOLA RIVER NEAR SUMATRA, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.70	4.38	5.70	4.22	6.53	6.60	4.26	3.63	3.00	5.13	4.11	3.28
2	4.83	4.33	5.60	4.28	6.59	6.56	4.19	3.87	3.04	5.23	4.05	3.19
3	4.97	4.18	5.56	4.40	6.51	6.55	4.18	3.93	3.06	5.32	3.94	3.15
4	5.00	4.25	5.59	4.45	6.36	6.56	4.18	3.84	3.09	5.40	3.82	3.05
5	4.88	4.30	5.61	4.50	6.24	6.59	4.18	3.87	3.12	5.46	3.75	2.80
6	4.70	4.38	5.61	4.40	6.21	6.61	4.19	4.10	3.13	5.43	3.66	2.69
7	4.51	4.37	5.69	4.21	6.21	6.55	4.23	4.33	3.12	5.40	3.66	3.69
8	4.32	4.30	5.84	4.30	6.17	6.45	4.32	4.48	3.18	5.38	3.69	4.15
9	3.97	4.25	5.96	4.49	6.23	6.32	4.31	4.64	3.28	5.34	3.66	4.84
10	3.75	4.17	6.15	4.55	6.38	6.18	4.29	4.66	3.31	5.30	3.68	5.34
11	3.95	4.18	6.18	4.63	6.55	6.00	4.28	4.57	3.33	5.25	3.87	5.58
12	4.40	4.19	6.13	4.98	6.67	5.79	4.38	4.43	3.27	5.21	4.27	5.73
13	4.35	4.03	6.03	5.31	6.75	5.61	4.51	4.30	3.20	5.20	4.76	5.85
14	4.34	3.72	5.92	5.49	6.86	5.47	4.25	4.15	3.25	5.14	5.03	5.86
15	4.51	3.92	5.71	5.55	6.89	5.32	4.13	4.00	3.37	5.05	5.11	5.96
16	4.67	4.04	5.58	5.54	6.91	5.12	4.14	3.84	3.32	5.11	5.00	6.57
17	4.75	3.97	5.53	5.55	7.07	4.90	4.16	3.77	3.34	5.09	4.75	6.66
18	4.83	4.08	5.46	5.68	7.27	4.71	4.16	3.80	3.58	5.10	4.46	6.73
19	4.98	4.41	5.44	5.67	7.40	4.68	4.19	3.76	3.65	5.06	4.20	6.95
20	5.08	4.00	5.37	5.58	7.45	4.73	4.17	3.68	3.71	4.99	4.00	7.32
21	5.07	4.14	5.30	5.41	7.43	4.73	4.21	3.55	3.80	4.91	3.85	7.73
22	5.09	4.34	5.21	5.14	7.33	4.58	4.22	3.53	3.87	4.77	3.77	8.12
23	5.08	4.59	5.09	4.76	7.24	4.41	4.12	3.52	3.96	4.64	3.72	8.39
24	5.01	5.00	5.04	4.39	7.27	4.33	3.98	3.43	3.96	4.53	3.70	8.36
25	4.87	5.28	4.87	4.28	7.32	4.34	3.88	3.32	4.01	4.46	3.66	8.14
26	4.76	5.50	4.76	4.42	7.15	4.32	3.83	3.19	4.07	4.35	3.60	7.84
27	4.68	5.66	4.67	4.66	6.97	4.31	3.66	3.08	4.18	4.29	3.54	7.61
28	4.60	5.78	4.59	5.17	6.81	4.31	3.50	2.98	4.41	4.21	3.49	7.39
29	4.47	5.78	4.49	5.70	6.68	4.30	3.52	2.90	4.75	4.13	3.42	7.21
30	4.29	5.75	4.38	6.07	---	4.30	3.57	2.94	4.97	4.16	3.42	7.03
31	4.30	---	4.26	6.34	---	4.32	---	3.00	---	4.19	3.39	---
TOTAL	143.71	135.27	167.32	154.12	197.45	165.55	123.19	117.09	107.33	153.23	123.03	177.21
MEAN	4.64	4.51	5.40	4.97	6.81	5.34	4.11	3.78	3.58	4.94	3.97	5.91
MAX	5.09	5.78	6.18	6.34	7.45	6.61	4.51	4.66	4.97	5.46	5.11	8.39
MIN	3.75	3.72	4.26	4.21	6.17	4.30	3.50	2.90	3.00	4.13	3.39	2.69

02359170 APALACHICOLA RIVER NEAR SUMATRA, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1987 to current year.

REMARKS.--Discharge for sediment samples represent main channel only.

MAIN CHANNEL ONLY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Location in X-sect. looking dwnstrm ft from l bank (00009)
OCT						
15...	1508	4.51	14,600	87	26	112
15...	1512	4.51	14,600	89	30	112
15...	1520	4.51	14,600	88	28	198
15...	1524	4.51	14,600	82	33	198
15...	1532	4.51	14,600	85	29	304
15...	1536	4.51	14,600	79	33	304
15...	1543	4.51	14,600	85	31	387
15...	1547	4.51	14,600	89	29	387
15...	1558	4.51	14,600	94	27	518
15...	1602	4.51	14,600	92	27	518
JAN						
14...	1505	5.50	17,500	69	18	120
14...	1507	5.50	17,500	78	16	120
14...	1512	5.50	17,500	59	19	190
14...	1514	5.50	17,500	63	22	190
14...	1519	5.50	17,500	40	34	255
14...	1522	5.50	17,500	42	31	255
14...	1527	5.50	17,500	67	23	300
14...	1535	5.50	17,500	72	22	370
14...	1538	5.50	17,500	78	20	370
14...	1542	5.50	17,500	83	17	460
14...	1544	5.50	17,500	85	16	460
APR						
15...	1537	4.10	14,100	100	14	122
15...	1538	4.10	14,100	94	15	122
15...	1541	4.10	14,100	88	16	207
15...	1542	4.10	14,100	88	16	207
15...	1547	4.10	14,100	82	19	287
15...	1549	4.10	14,100	75	20	287
15...	1552	4.10	14,100	85	17	365
15...	1554	4.11	14,100	88	16	365
15...	1556	4.11	14,100	96	14	445
15...	1558	4.11	14,100	90	16	445
15...	1600	4.11	14,100	98	12	530
15...	1602	4.11	14,100	100	12	530
JUL						
07...	1533	5.38	16,500	88	23	144
07...	1538	5.39	16,500	70	34	217
07...	1539	5.39	16,500	83	24	217
07...	1728	5.42	16,500	81	25	348
07...	1730	5.42	16,500	74	28	348
07...	1737	5.42	16,500	76	31	388
07...	1738	5.42	16,500	73	27	388
07...	1746	5.42	16,500	79	29	452
07...	1747	5.42	16,500	84	24	452
07...	1755	5.42	16,500	95	19	550

02359315 MARTIN BAYOU AT US 98 AT SPRINGFIELD, FL

LOCATION.--Lat 30° 08'06", long 85° 36'56", in SE$^1/_4$ sec. 14, T. 4 S., R. 14 W., Bay County, Hydrologic Unit 03140101, at upstream side of concrete weir control structure above U.S. Highway 98, at boundary of Parker and Springfield communities, 0.9 mi west of State Road 22-A, and 1.2 mi south of State Highway 22.

DRAINAGE AREA.--3.96 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	30	9.2	19	24	31	12	10	4.8	7.5	9.1	12
2	25	25	8.5	17	23	26	12	9.9	6.1	11	7.7	11
3	25	22	7.9	16	21	26	11	9.7	5.8	13	6.8	9.1
4	24	20	15	14	19	24	11	8.0	6.3	10	6.2	8.0
5	24	25	14	14	18	23	11	7.0	5.8	7.6	5.4	7.9
6	24	24	11	13	34	23	11	7.2	5.0	6.1	5.1	11
7	24	22	9.1	10	50	22	12	7.2	4.6	4.9	4.6	10
8	31	19	8.3	9.6	38	19	15	6.9	4.0	4.4	3.7	8.6
9	35	17	8.1	12	30	18	14	6.6	3.6	4.3	4.3	7.0
10	31	15	14	12	27	16	14	6.4	3.6	3.8	29	15
11	43	14	12	12	29	15	16	6.2	3.6	3.6	44	29
12	43	14	11	12	30	16	17	6.1	3.6	4.2	48	24
13	36	14	13	11	35	16	24	5.6	3.6	4.8	29	20
14	31	10	23	11	51	16	19	5.0	3.6	3.9	21	16
15	26	9.9	21	11	52	16	14	4.5	5.0	4.9	15	33
16	23	10	19	11	42	19	12	4.6	6.2	14	15	195
17	21	10	17	15	34	19	11	5.0	7.7	11	14	73
18	20	13	15	24	29	18	10	4.9	7.9	20	13	36
19	18	28	13	22	26	17	9.5	4.9	6.6	20	12	24
20	17	18	12	18	24	17	9.0	4.9	7.3	16	10	19
21	15	14	11	16	21	15	8.8	4.8	7.9	13	13	16
22	14	11	11	14	18	14	8.2	4.5	7.3	8.4	10	16
23	14	9.9	12	13	22	12	7.1	4.1	6.8	6.6	9.0	16
24	14	20	21	13	90	11	6.9	3.7	5.6	6.0	7.8	16
25	13	19	18	12	102	12	6.7	3.6	5.1	6.1	10	15
26	24	15	16	34	76	12	6.9	3.6	9.6	6.7	15	13
27	36	12	14	51	63	13	6.6	3.6	12	6.7	13	12
28	43	14	13	34	50	13	6.0	3.6	8.5	6.3	15	12
29	48	11	13	26	41	13	6.1	3.6	6.9	12	16	12
30	40	9.9	23	21	---	14	7.4	3.6	6.1	14	15	13
31	34	---	21	20	---	13	---	3.7	---	12	14	---
MEAN	27.2	16.5	14.0	17.3	38.6	17.4	11.2	5.58	6.02	8.80	14.2	23.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	22.7	19.5	16.4	16.6	17.7	24.7	18.2	10.7	13.7	17.9	28.6	23.4

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	35.2		16.6		19.2	
HIGHEST DAILY MEAN	332	Aug 13	195	Sep 16	480	Oct 1, 1998
LOWEST DAILY MEAN	7.9	Dec 3	3.6	May 25	1.4	Jul 22, 2000
ANNUAL SEVEN-DAY MINIMUM	10	May 30	3.6	May 24	2.1	Jul 17, 2000
MAXIMUM PEAK FLOW			339	Sep 16	480	Oct 1, 1998
MAXIMUM PEAK STAGE			11.54	Sep 16	11.69	Aug 12, 2003
INSTANTANEOUS LOW FLOW			3.6	May 15	0.90	Jul 21, 2000
10 PERCENT EXCEEDS	77		30		38	
50 PERCENT EXCEEDS	24		13		13	
90 PERCENT EXCEEDS	11		4.9		4.8	

02359500 ECONFINA CREEK NEAR BENNETT, FL.

LOCATION.--Lat 30° 23'04", long 85° 33'24", in SE$^1/_4$ sec. 20, T. 1 S., R. 13 W., Bay County, Hydrologic Unit 03140101, near center of span on downstream side of bridge on State Highway 388, 0.5 mi downstream from Old Mill Branch, 1.6 mi southwest of Bennett, and 11 mi upstream from mouth.

DRAINAGE AREA.--122 mi^2.

PERIOD OF RECORD.--October 1935 to September 1994. Monthly discharge only for October and November 1936, published in WSP1304. October 1998 to current year.

REVISED RECORDS.--WSP 872: 1937. WSP 1906: Drainage area. WRD FL-80-4: 1979. WRD FL-93-4: 1948 (M), 1989 (M).

GAGE.--Water-stage recorder. Datum of gage is 1.03 ft above National Geodetic Vertical Datum of 1929. Nov. 11, 1935 to Jan. 29, 1962, nonrecording gage and Jan. 30, 1962 to June 16, 1966, water-stage recorder at site 150 ft downstream at present datum. June 17, 1966 to Sept. 28, 1966, nonrecording gage and Oct. 1, 1966 to Sept. 30, 1994, water-stage recorder at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Flow includes large ground-water inflow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since September 1926, 15.0 ft present datum, from floodmark, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	578	558	567	531	495	556	487	801	459	681	526	466
2	570	545	551	519	517	548	476	845	542	671	505	486
3	563	537	544	507	508	540	471	621	560	724	516	493
4	558	538	547	500	486	536	469	525	540	661	507	475
5	554	554	547	496	477	532	465	496	509	610	511	460
6	551	560	544	491	495	531	464	484	495	571	513	463
7	548	553	540	486	597	529	466	475	518	538	485	528
8	597	544	535	484	581	522	485	468	511	519	473	562
9	633	537	532	487	513	515	478	464	508	511	469	515
10	594	533	553	491	496	509	468	459	554	507	503	519
11	625	530	570	489	506	506	465	456	520	497	598	683
12	678	528	550	481	542	504	471	468	487	489	688	699
13	690	526	540	477	615	502	527	535	487	484	644	612
14	634	522	580	475	726	499	518	543	479	478	573	551
15	595	520	608	473	792	497	484	506	487	481	520	556
16	568	520	570	470	715	508	470	531	527	544	497	890
17	556	519	557	470	605	524	464	521	577	623	493	1,230
18	551	526	553	487	563	514	459	522	560	736	498	1,330
19	545	594	543	492	547	501	456	503	530	661	478	859
20	546	605	534	479	543	495	454	482	493	629	470	681
21	545	558	528	470	536	491	454	478	500	549	475	628
22	543	535	526	465	526	484	452	509	489	512	514	605
23	538	527	528	463	530	481	448	504	551	499	595	592
24	531	558	554	461	721	479	445	472	551	488	534	575
25	527	606	548	460	850	477	443	460	547	479	507	560
26	543	577	535	511	753	477	443	454	573	516	492	549
27	587	548	526	648	662	476	443	450	640	542	476	545
28	620	585	521	616	607	475	440	448	669	629	468	553
29	668	657	520	530	573	473	437	447	647	659	467	550
30	635	617	544	501	---	483	532	446	734	623	466	540
31	581	---	548	488	---	496	---	445	---	580	468	---
MEAN	582	554	547	497	589	505	468	510	541	571	514	625
MAX	690	657	608	648	850	556	532	845	734	736	688	1,330
MIN	527	519	520	460	477	473	437	445	459	478	466	460
IN.	5.50	5.07	5.17	4.70	5.21	4.78	4.28	4.82	4.95	5.39	4.86	5.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2004, BY WATER YEAR (WY)

MEAN	508	501	510	533	544	581	560	505	515	556	574	559
MAX	769	890	818	780	838	1,045	1,176	789	958	1,005	962	824
(WY)	(1965)	(1948)	(1948)	(1993)	(1986)	(1991)	(1948)	(1946)	(1989)	(1994)	(1939)	(1937)
MIN	301	323	317	326	306	358	332	272	334	337	339	344
(WY)	(2001)	(1956)	(1956)	(2001)	(2001)	(1956)	(1956)	(2001)	(2000)	(2000)	(2000)	(1955)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1936 - 2004	
ANNUAL MEAN	624		542		537	
HIGHEST ANNUAL MEAN					758	1948
LOWEST ANNUAL MEAN					363	2001
HIGHEST DAILY MEAN	1,200	Mar 10	1,330	Sep 18	4,670	Mar 3, 1991
LOWEST DAILY MEAN	424	Feb 3	437	Apr 29	252	May 28, 2001
ANNUAL SEVEN-DAY MINIMUM	432	Jan 28	443	Apr 23	257	May 24, 2001
MAXIMUM PEAK FLOW			1,470	Sep 18	5,850	Mar 3, 1991
MAXIMUM PEAK STAGE			9.11	Sep 18	14.37	Mar 3, 1991
INSTANTANEOUS LOW FLOW			435	Apr 29	250	May 28, 2001
ANNUAL RUNOFF (INCHES)	69.40		60.44		59.84	
10 PERCENT EXCEEDS	812		633		704	
50 PERCENT EXCEEDS	585		526		507	
90 PERCENT EXCEEDS	485		467		392	

02365200 CHOCTAWHATCHEE RIVER NEAR PITTMAN, FL

LOCATION.--Lat 30° 56'59", long 85° 50'35", in NW$^1/_4$ sec. 9, T. 6 N., R. 16 W., Holmes County, Hydrologic Unit 03140203, on downstream side of bridge on State Highway 2, 1.5 mi west of Pittman, 3.8 mi downstream from Florida-Alabama State line, and 84 mi upstream from mouth.

DRAINAGE AREA.--3,209 mi^2.

PERIOD OF RECORD.--May 1957, April 1960 and October 1975 to June 1976 (gage height and discharge measurements only), July 1976 to September 1981, October 1996 to September 1998 (gage height and discharge measurements only), October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 51.83 ft above National Geodetic Vertical Datum of 1929 (levels by Northwest Florida Water Management District). Apr. 8, 1957 to Sept. 15, 1976, nonrecording gage at same site and datum, July 1, 1976 to Sept. 30, 1981, water stage recorder, Oct. 1, 1996 to Sept. 30, 1998, nonrecording gage.

REMARKS.--Records good, except for estimated daily discharges which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e2,540	2,270	5,650	3,440	8,350	9,810	2,470	10,300	e1,500	8,380	1,870	1,860
2	e2,360	2,110	4,730	3,250	6,540	8,890	2,380	12,100	e2,000	6,640	1,660	1,900
3	2,230	1,990	4,030	3,110	5,010	7,840	2,270	11,600	e3,500	6,260	1,530	2,040
4	2,120	1,920	3,690	2,950	4,220	6,530	2,190	10,300	e6,600	5,650	1,460	2,730
5	2,030	1,910	3,850	2,870	3,780	5,690	2,120	8,260	e6,700	4,460	1,390	3,680
6	1,960	2,060	3,710	2,910	4,960	5,270	2,060	5,800	e5,500	3,540	1,190	3,450
7	1,940	2,240	3,370	2,860	9,560	5,080	2,020	4,250	e4,200	2,950	1,160	2,590
8	1,930	2,100	3,120	2,710	10,800	4,850	2,010	3,420	e3,600	2,760	1,110	2,410
9	1,950	1,990	2,900	2,600	11,000	4,520	2,190	2,720	e3,200	3,180	1,100	2,550
10	1,960	1,930	2,840	2,660	9,520	4,210	2,450	2,260	e2,370	3,750	1,130	2,380
11	2,200	1,880	3,240	2,760	8,170	3,960	2,300	1,990	2,360	3,230	1,170	2,160
12	2,780	1,830	3,540	2,720	8,340	3,790	2,190	1,840	2,490	2,680	1,770	2,110
13	3,240	1,800	3,340	2,630	9,700	3,660	2,370	1,990	2,830	2,460	2,700	2,260
14	3,110	1,760	4,020	2,570	12,700	3,550	2,820	2,490	2,540	3,590	2,930	1,980
15	2,800	1,680	5,410	2,520	15,300	3,470	2,860	3,300	2,880	3,060	2,440	1,760
16	2,530	1,660	5,320	2,470	15,500	3,480	2,480	3,260	4,870	5,140	1,980	6,580
17	2,290	1,680	4,530	2,420	14,300	3,710	2,240	3,470	5,810	6,330	1,670	14,300
18	2,130	1,760	4,090	3,280	11,900	3,690	2,050	3,470	6,490	5,060	1,460	19,600
19	2,030	3,370	3,740	4,030	9,640	3,490	1,890	2,780	6,310	4,470	1,310	21,400
20	1,930	4,760	3,410	3,920	7,730	3,320	1,760	2,350	4,770	3,830	1,200	19,300
21	1,870	4,790	3,130	3,480	6,480	3,190	1,740	2,150	3,860	3,020	1,340	14,500
22	1,830	3,990	2,910	3,110	5,730	3,030	1,640	2,760	3,140	2,390	1,750	9,210
23	1,780	3,390	2,810	2,840	5,360	2,880	1,570	2,740	3,450	2,040	1,750	5,700
24	1,750	3,050	3,180	2,660	7,460	2,730	1,520	2,210	3,960	1,810	1,900	4,220
25	1,720	3,080	3,650	2,520	9,060	2,640	1,460	2,010	4,440	1,660	1,990	3,400
26	1,780	3,090	3,750	2,550	10,700	2,590	1,430	1,820	6,280	1,570	1,920	2,920
27	2,080	2,850	3,590	5,450	11,500	2,560	1,470	e1,800	9,360	1,580	1,670	2,640
28	2,500	3,470	3,380	8,790	11,800	2,550	1,700	e1,650	10,300	1,640	1,500	2,440
29	2,750	5,440	3,160	10,400	11,000	2,510	1,710	e1,500	e11,600	1,770	1,370	2,350
30	2,770	6,420	3,190	10,600	---	2,500	5,300	e1,400	e10,100	1,820	1,460	2,230
31	2,500	---	3,440	9,670	---	2,480	---	e1,330	---	1,870	1,670	---
MEAN	2,238	2,742	3,701	3,895	9,176	4,144	2,155	3,849	4,900	3,503	1,631	5,555
MAX	3,240	6,420	5,650	10,600	15,500	9,810	5,300	12,100	11,600	8,380	2,930	21,400
MIN	1,720	1,660	2,810	2,420	3,780	2,480	1,430	1,330	1,500	1,570	1,100	1,760
IN.	0.80	0.95	1.33	1.40	3.08	1.49	0.75	1.38	1.70	1.26	0.59	1.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 2004, BY WATER YEAR (WY)

MEAN	2,617	2,813	3,806	5,327	6,178	9,269	6,201	3,937	3,423	3,130	2,665	2,341
MAX	9,492	5,727	10,700	15,520	12,730	18,540	15,910	12,040	7,012	9,329	8,390	5,555
(WY)	(1999)	(1978)	(1977)	(1978)	(1979)	(1980)	(1980)	(1978)	(2003)	(2003)	(2003)	(2004)
MIN	547	1,290	1,685	1,971	2,625	3,024	1,727	622	534	432	568	747
(WY)	(2001)	(2002)	(2002)	(1981)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1976 - 2004	
ANNUAL MEAN	5,759		3,930		4,298	
HIGHEST ANNUAL MEAN					7,220	1978
LOWEST ANNUAL MEAN					1,480	2000
HIGHEST DAILY MEAN	21,700	Apr 11	21,400	Sep 19	64,000	Jan 28, 1978
LOWEST DAILY MEAN	1,660	Nov 16	1,100	Aug 9	327	Jul 21, 2000
ANNUAL SEVEN-DAY MINIMUM	1,740	Nov 12	1,180	Aug 5	355	Jul 17, 2000
MAXIMUM PEAK FLOW			21,700	Sep 19	64,700	Jan 28, 1978
MAXIMUM PEAK STAGE			22.56	Sep 19	28.56	Jan 28, 1978
INSTANTANEOUS LOW FLOW			1,050	Aug 9	308	Jul 21, 2000
ANNUAL RUNOFF (INCHES)	24.37		16.68		18.20	
10 PERCENT EXCEEDS	11,600		8,500		9,640	
50 PERCENT EXCEEDS	4,410		2,840		2,620	
90 PERCENT EXCEEDS	2,100		1,680		997	

e Estimated

02365470 WRIGHTS CREEK AT SH 177A NEAR BONIFAY, FL

LOCATION.--Lat 30° 51'25", long 85° 45'44", in NW$^1/_4$ sec. 8, T. 5 N., R. 17 S., Holmes County, Hydrologic Unit 03140203, on downstream side of bridge on State Road 177A, 0.4 mi above Caney Branch, 7.3 mi upstream of mouth, and 7.6 mi northwest of Bonifay.

DRAINAGE AREA.--148 mi^2.

PERIOD OF RECORD.--March 1983 to September 1987, discharge measurements and annual maximum discharge, October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 42.94 ft above National Geodetic Vertical Datum of 1929. Mar. 23, 1983 to Sept. 30, 1987, nonrecording gage and crest-stage gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e100	81	207	173	130	393	113	740	106	502	79	53
2	e90	74	173	159	180	349	102	870	231	328	76	51
3	e83	70	150	149	202	315	94	897	366	516	76	49
4	e75	67	159	144	182	288	89	591	476	541	83	47
5	e73	69	198	141	156	277	86	404	407	458	69	46
6	e70	114	190	145	210	272	83	263	300	341	64	46
7	e68	144	170	152	707	259	80	197	186	233	59	50
8	e66	116	158	141	1,210	237	81	157	140	178	56	55
9	64	96	148	135	1,060	216	80	129	113	152	57	55
10	63	85	152	139	559	204	79	111	92	130	80	52
11	71	78	169	138	408	188	77	99	80	111	78	51
12	107	74	160	130	476	178	78	90	73	96	85	54
13	123	71	156	124	820	170	97	92	75	87	108	58
14	106	68	212	121	1,250	163	118	103	86	151	92	56
15	89	65	297	120	1,670	156	105	91	149	257	72	55
16	77	63	285	118	1,560	158	88	82	214	341	64	211
17	70	63	227	115	1,020	171	79	92	238	500	67	661
18	66	63	195	121	643	156	75	114	303	725	62	753
19	63	169	176	139	490	144	73	120	270	692	57	684
20	60	370	166	136	421	137	69	94	189	432	55	460
21	59	356	157	125	373	130	67	80	142	282	55	264
22	57	214	148	117	339	126	65	73	187	198	58	192
23	56	149	144	111	322	117	63	70	348	156	59	157
24	54	135	168	108	584	111	62	65	311	126	57	135
25	53	155	208	107	859	108	61	60	278	107	57	120
26	60	141	193	111	864	103	60	57	216	95	53	110
27	82	125	169	150	716	102	60	55	280	97	51	100
28	96	162	154	164	575	98	58	53	298	98	49	95
29	123	267	146	150	467	95	59	51	380	107	49	89
30	115	257	167	131	---	101	301	50	632	91	49	85
31	94	---	190	124	---	117	---	53	---	86	52	---
MEAN	78.5	132	180	133	636	182	86.7	194	239	265	65.4	163
MAX	123	370	297	173	1,670	393	301	897	632	725	108	753
MIN	53	63	144	107	130	95	58	50	73	86	49	46
IN.	0.61	1.00	1.41	1.04	4.64	1.42	0.65	1.51	1.80	2.06	0.51	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	94.9	161	171	178	237	377	248	80.8	182	208	133	99.0
MAX	249	516	346	351	636	724	581	194	293	477	323	178
(WY)	(1999)	(2003)	(2003)	(1999)	(2004)	(2001)	(2003)	(2004)	(2003)	(2003)	(2001)	(2003)
MIN	29.6	38.0	44.1	60.5	79.5	182	67.9	28.5	31.6	29.8	21.5	38.4
(WY)	(2001)	(2000)	(2000)	(2000)	(2002)	(2004)	(1999)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	291		194		181	
HIGHEST ANNUAL MEAN					341	2003
LOWEST ANNUAL MEAN					57.9	2000
HIGHEST DAILY MEAN	3,450	Apr 9	1,670	Feb 15	3,450	Apr 9, 2003
LOWEST DAILY MEAN	53	Oct 25	46	Sep 5	16	Aug 18, 2000
ANNUAL SEVEN-DAY MINIMUM	57	Oct 20	49	Sep 1	17	Aug 15, 2000
MAXIMUM PEAK FLOW			1,730	Feb 15	7,200	Mar 6, 1984
MAXIMUM PEAK STAGE			9.46	Feb 15	13.73	Mar 6, 1984
INSTANTANEOUS LOW FLOW			45	Sep 5	15	Aug 21, 2000
ANNUAL RUNOFF (INCHES)	26.72		17.88		16.58	
10 PERCENT EXCEEDS	631		424		404	
50 PERCENT EXCEEDS	175		120		94	
90 PERCENT EXCEEDS	73		57		35	

e Estimated

02365500 CHOCTAWHATCHEE RIVER AT CARYVILLE, FL

LOCATION.--Lat 30° 46'32", long 85° 49'40", in NW$^1/_4$ sec.10, T.4 N., R.16 W., Holmes County, Hydrologic Unit 03140203, near right bank on downstream side of bridge on U.S. Highway 90, 300 ft downstream from Louisville and Nashville Railroad bridge, 0.8 mi west of Caryville, 1.8 mi downstream from Wrights Creek, and 64 mi upstream from mouth.

DRAINAGE AREA.--3,499 mi^2.

PERIOD OF RECORD.--August 1929 to September 1994, October 1994 to September 1996(gage height only), October 1996 to September 1997, October 1997 to September 1998(gage height only), October 2000 to current year. Gage-height records collected at same site from 1928 to August 1929 are contained in reports of U.S. Weather Bureau.

GAGE.--Water-stage recorder. Datum of gage is 39.02 ft above National Geodetic Vertical Datum of 1929. Aug. 17 to Oct. 11, 1929, nonrecording gage at same site and datum; Oct. 12, 1929 to Sept. 11, 1951, water-stage recorder at same site and datum; Sept. 12, 1951 to Aug.11, 1976, nonrecording gage at same site and datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1850 (from information furnished by U.S. Army Corps of Engineers, Mobile District) 27.1 ft Mar. 17, 1929, from National Weather Service records and floodmarks; discharge, 206,000 ft^3/s from rating curve extended above 160,000 ft^3/s on basis of slope-area determination of peak flow.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,160	2,590	5,700	3,720	9,950	13,000	2,790	5,620	1,690	12,500	2,130	1,840
2	2,830	2,390	5,400	3,640	8,440	11,000	2,720	9,040	3,360	9,540	2,020	1,950
3	2,650	2,230	4,780	3,460	6,700	9,260	2,610	13,100	5,340	7,280	1,840	1,980
4	2,520	2,110	4,230	3,310	5,310	7,810	2,510	13,800	6,820	6,580	1,700	2,210
5	2,410	2,050	4,010	3,190	4,500	6,640	2,420	12,000	6,960	5,890	1,640	2,960
6	2,340	2,080	4,030	3,160	4,290	5,810	2,350	8,810	5,690	4,950	1,500	3,440
7	2,250	2,310	3,840	3,180	5,760	5,440	2,280	6,220	4,300	4,050	1,330	3,220
8	2,200	2,360	3,550	3,120	8,470	5,210	2,250	4,680	3,670	3,460	1,310	2,650
9	2,200	2,210	3,310	2,970	11,700	4,980	2,270	3,710	3,460	3,390	1,220	2,570
10	2,210	2,090	3,140	2,910	12,600	4,720	2,490	3,050	e2,990	3,660	1,320	2,580
11	2,290	2,030	3,210	2,980	11,000	4,460	2,580	2,610	2,720	3,810	1,340	2,430
12	2,650	1,960	3,570	3,000	8,950	4,240	2,450	2,340	2,620	3,330	1,490	2,260
13	3,150	1,910	3,680	2,940	8,770	4,080	2,480	2,250	2,820	2,910	2,250	2,250
14	3,360	1,880	3,790	2,870	11,100	3,950	2,720	2,620	2,940	3,090	2,850	2,300
15	3,210	1,810	4,470	2,800	15,800	3,860	3,040	3,090	3,010	3,630	2,840	2,010
16	2,950	1,750	5,190	2,740	20,600	3,800	2,910	3,480	3,770	3,800	2,430	2,850
17	2,690	1,740	5,170	2,680	21,200	3,840	2,610	3,490	4,980	5,110	2,040	6,400
18	2,460	1,760	4,700	2,820	19,300	3,940	2,400	3,630	5,600	5,800	1,760	13,000
19	2,340	2,360	4,310	3,670	15,700	3,890	2,190	3,450	5,960	5,520	1,560	23,000
20	2,210	3,800	3,960	4,060	11,700	3,700	2,030	2,950	5,820	4,960	1,420	28,700
21	2,100	4,630	3,650	3,910	8,440	3,570	1,910	2,590	4,960	4,220	1,370	26,900
22	2,030	4,610	3,380	3,550	6,810	3,410	1,870	2,560	4,160	3,410	1,630	21,100
23	1,970	4,040	3,190	3,240	5,940	3,280	1,760	2,970	3,810	2,790	1,830	13,300
24	1,920	3,550	3,270	3,010	6,030	3,140	1,680	2,730	4,180	2,400	1,900	7,400
25	1,870	3,310	3,620	2,820	7,400	3,010	1,630	2,370	4,460	2,140	2,030	5,130
26	1,880	3,310	3,940	2,740	9,360	2,930	1,580	2,160	4,900	1,960	2,070	4,040
27	2,100	3,200	3,930	3,290	11,800	2,880	1,550	1,940	6,030	1,880	1,930	3,470
28	2,390	3,280	3,790	5,210	13,300	2,840	1,660	1,710	7,910	1,890	1,720	3,100
29	2,770	4,050	3,580	6,940	14,000	2,810	1,800	1,550	9,960	1,960	1,560	2,870
30	2,930	5,200	3,480	8,760	---	2,820	2,810	1,440	12,500	2,120	1,530	2,720
31	2,850	---	3,560	10,200	---	2,810	---	1,390	---	2,080	1,560	---
MEAN	2,480	2,753	3,982	3,771	10,510	4,746	2,278	4,302	4,913	4,197	1,778	6,688
MAX	3,360	5,200	5,700	10,200	21,200	13,000	3,040	13,800	12,500	12,500	2,850	28,700
MIN	1,870	1,740	3,140	2,680	4,290	2,810	1,550	1,390	1,690	1,880	1,220	1,840
IN.	0.82	0.88	1.31	1.24	3.24	1.56	0.73	1.42	1.57	1.38	0.59	2.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

MEAN	3,033	3,386	5,250	7,267	8,345	10,030	8,460	4,766	3,812	4,265	3,909	3,153
MAX	17,160	11,790	24,150	23,510	16,190	29,190	22,900	15,700	12,450	42,530	17,120	16,650
(WY)	(1999)	(1990)	(1954)	(1936)	(1982)	(1998)	(1975)	(1946)	(1989)	(1994)	(1939)	(1937)
MIN	607	992	1,395	1,925	2,846	1,777	2,278	1,410	1,107	1,187	856	905
(WY)	(2001)	(1932)	(1956)	(1956)	(2001)	(1955)	(2004)	(2002)	(1988)	(1986)	(2000)	(1954)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL MEAN	6,391		4,336		5,431	
HIGHEST ANNUAL MEAN					9,163	1946
LOWEST ANNUAL MEAN					2,090	2002
HIGHEST DAILY MEAN	30,300	Apr 12	28,700	Sep 20	162,000	Jul 9, 1994
LOWEST DAILY MEAN	1,740	Nov 17	1,220	Aug 9	503	Oct 30, 2000
ANNUAL SEVEN-DAY MINIMUM	1,830	Nov 12	1,360	Aug 6	505	Oct 26, 2000
MAXIMUM PEAK FLOW			29,200	Sep 20	164,000	Jul 9, 1994
MAXIMUM PEAK STAGE			13.12	Sep 20	23.85	Jul 9, 1994
INSTANTANEOUS LOW FLOW			1,170	Aug 9	500	Oct 30, 2000
ANNUAL RUNOFF (INCHES)	24.80		16.87		21.09	
10 PERCENT EXCEEDS	13,400		8,760		11,300	
50 PERCENT EXCEEDS	4,630		3,140		3,590	
90 PERCENT EXCEEDS	2,390		1,840		1,420	

e Estimated

02365769 BRUCE CREEK AT SH 81 NEAR REDBAY, FL

LOCATION.--Lat 30° 37'28", long 85° 56'33", in NE$^1/_4$ sec. 33, T. 3 N., R. 17 W., Walton County, Hydrologic Unit 03140203, on downstream side of bridge on State Highway 81, 0.6 mi north of Bruce Creek School, 1.4 mi south of Knox Hill, and 2.4 mi north of Redbay.

DRAINAGE AREA.--82.4 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

REVISED RECORDS.--WRD FL-01-4:2000.

GAGE.--Water-stage recorder. Datum of gage is not determined.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	63	113	131	137	154	34	241	18	147	195	66
2	75	56	105	100	184	133	30	221	66	163	89	111
3	66	52	101	91	164	108	29	112	82	275	57	85
4	61	49	112	87	130	86	28	65	79	207	48	65
5	58	50	153	83	108	68	27	57	83	146	42	52
6	55	49	120	80	172	55	27	47	87	114	35	44
7	55	49	94	76	1,350	57	27	44	91	93	31	49
8	53	48	83	69	780	46	27	39	76	74	27	82
9	56	45	76	67	289	43	28	34	54	61	33	70
10	60	43	91	69	172	42	27	29	40	59	148	50
11	67	42	140	68	204	40	27	25	30	52	406	43
12	137	41	104	62	345	39	27	24	25	49	514	48
13	142	40	84	60	719	38	35	24	22	42	375	50
14	99	38	130	58	752	37	37	26	25	38	375	44
15	78	37	183	57	1,220	36	31	25	106	56	142	44
16	65	36	129	56	710	37	28	25	269	94	89	2,960
17	56	36	111	54	402	42	27	30	339	117	71	4,340
18	51	38	106	70	288	39	26	33	160	82	59	1,280
19	48	131	98	116	228	36	25	36	102	88	51	712
20	46	212	87	85	186	35	25	31	90	106	44	456
21	44	117	78	71	148	34	25	28	86	81	43	419
22	42	81	71	65	110	33	24	25	108	62	126	375
23	41	75	68	60	85	32	24	25	303	43	331	285
24	39	91	108	55	390	31	24	24	361	30	163	222
25	38	149	146	52	672	30	24	23	150	25	89	189
26	51	104	99	64	567	30	23	21	121	24	97	162
27	131	77	84	146	424	30	24	22	281	25	93	141
28	121	129	78	106	239	30	24	21	386	39	67	123
29	138	241	74	84	179	29	23	19	213	46	81	108
30	104	162	140	92	---	31	41	18	154	91	75	99
31	74	---	208	113	---	37	---	16	---	151	63	---
MEAN	72.3	79.4	109	78.9	392	49.0	27.6	45.5	134	86.5	131	426
MAX	142	241	208	146	1,350	154	41	241	386	275	514	4,340
MIN	38	36	68	52	85	29	23	16	18	24	27	43
IN.	1.01	1.07	1.52	1.10	5.13	0.69	0.37	0.64	1.81	1.21	1.83	5.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	147	159	118	119	151	219	164	41.0	173	185	187	163
MAX	504	592	198	231	392	382	402	89.6	526	540	455	426
(WY)	(1999)	(2003)	(2003)	(1999)	(2004)	(2003)	(2002)	(2003)	(2003)	(2003)	(2001)	(2004)
MIN	19.2	30.7	38.0	51.3	69.6	49.0	27.6	10.1	9.58	12.7	16.2	33.2
(WY)	(2001)	(2000)	(2002)	(2002)	(2000)	(2004)	(2004)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	247		134		152	
HIGHEST ANNUAL MEAN					308	2003
LOWEST ANNUAL MEAN					39.0	2000
HIGHEST DAILY MEAN	4,230	Jul 2	4,340	Sep 17	7,090	Nov 12, 2002
LOWEST DAILY MEAN	29	May 15	16	May 31	3.9	Jul 23, 2000
ANNUAL SEVEN-DAY MINIMUM	33	May 12	19	May 26	4.3	Jul 19, 2000
MAXIMUM PEAK FLOW			8,800	Sep 16	11,900	Nov 12, 2002
MAXIMUM PEAK STAGE			22.45	Sep 16	22.45	Sep 16, 2004
INSTANTANEOUS LOW FLOW			15	May 31	3.7	Jul 23, 2000
ANNUAL RUNOFF (INCHES)	40.63		22.15		25.06	
10 PERCENT EXCEEDS	518		240		309	
50 PERCENT EXCEEDS	130		68		70	
90 PERCENT EXCEEDS	51		27		19	

02366500 CHOCTAWHATCHEE RIVER NEAR BRUCE, FL

LOCATION.--Lat 30° 27'03", long 85° 53'54", in NE$^1/_4$ sec. 36, T. 1 N., R. 17 W., Walton County, Hydrologic Unit 03140203, near center of main channel on upstream side of bridge on State Highway 20, 4.0 mi southeast of Bruce, 5.8 mi downstream from Holmes Creek, and 21 mi upstream from mouth.

DRAINAGE AREA.--4,384 mi^2.

PERIOD OF RECORD.--October 1930 to March 1983; Apr. 1983 to May 1984 (discharge measurements only); June 1984 to current year.

REVISED RECORDS.--WSP 872: 1937. WSP 1384: Drainage area. WSP 1504: 1931-34.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Apr. 1, 1983 to May 14, 1999, nonrecording gage at same site and datum. Apr. 6, 1934 to Mar. 31, 1983, water-stage recorder at same site at datum 3.94 ft lower. Oct. 1, 1930 to Apr. 5, 1934, nonrecording gage at site 1.0 mi downstream at datum 4.19 ft lower.

REMARKS.--Records good.

EXTREMES OUTSIDE OF PERIOD OF RECORD.--Flood of March 1929 reached a stage of 25.0 ft at former site and datum, from floodmarks, discharge, 220,000 ft^3/s, from rating curve extended above 145,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,540	4,260	5,330	4,780	6,870	14,400	e3,810	3,330	2,490	10,500	3,400	2,680
2	5,870	4,190	5,710	4,720	8,720	14,900	3,800	4,100	2,650	12,300	3,560	2,770
3	5,180	4,010	6,270	4,670	10,200	14,600	3,740	5,060	3,090	13,600	3,490	2,920
4	4,660	3,820	6,830	4,650	10,600	13,600	3,670	6,720	3,780	13,600	3,240	2,970
5	4,290	3,660	6,890	4,550	9,860	12,300	3,570	9,670	4,450	12,100	3,020	2,990
6	4,060	3,520	6,480	4,450	8,770	11,100	3,450	12,300	5,270	10,600	2,840	3,140
7	3,900	3,450	5,940	4,340	7,810	9,930	3,370	12,800	6,350	9,370	2,700	3,460
8	3,780	3,450	5,500	4,290	7,350	8,790	3,320	11,700	6,890	8,250	2,530	3,750
9	3,710	3,520	5,220	4,220	7,670	7,820	3,270	9,860	6,530	7,020	2,430	3,810
10	3,700	3,520	5,030	4,150	8,840	7,130	3,220	7,920	5,590	5,890	2,730	3,700
11	3,780	3,450	4,830	4,090	11,000	6,640	3,260	6,180	4,860	5,160	3,310	3,580
12	3,920	3,370	4,650	4,020	13,000	6,220	3,350	4,910	4,280	4,820	3,630	3,490
13	4,080	3,280	4,560	3,990	14,000	5,830	3,570	4,100	3,860	4,690	3,800	3,390
14	4,280	3,200	4,640	3,980	14,100	5,480	3,610	3,600	3,810	4,480	3,890	3,290
15	4,460	3,120	4,780	3,950	14,000	5,260	3,590	3,440	4,350	4,200	4,020	3,290
16	4,570	3,060	4,910	3,900	15,000	5,150	3,620	3,600	4,570	4,250	4,020	4,150
17	4,510	3,010	5,120	3,830	17,400	5,050	3,690	3,960	4,630	4,440	3,910	5,600
18	4,350	3,000	5,420	3,820	20,400	4,920	3,630	4,370	4,840	4,650	3,620	7,780
19	4,120	3,480	5,770	3,830	21,500	4,850	3,470	4,730	e5,510	5,060	3,240	9,930
20	3,890	3,800	5,910	3,970	20,400	4,800	3,270	4,580	e6,640	5,690	2,950	11,500
21	3,690	4,150	5,710	4,230	18,100	4,760	3,090	4,380	e7,030	6,390	2,720	16,200
22	3,510	4,600	5,350	4,470	15,500	4,650	2,940	4,050	e7,290	6,660	2,650	22,500
23	3,400	5,060	5,040	4,580	13,000	4,530	2,840	3,750	7,220	6,250	2,840	24,000
24	3,300	5,550	4,800	4,510	11,600	4,370	2,750	3,650	6,710	5,370	3,110	22,300
25	3,210	5,690	4,630	4,290	10,400	4,240	2,670	3,660	6,100	4,550	3,120	18,500
26	3,290	5,450	4,560	4,130	9,950	4,090	2,620	3,530	e5,670	3,960	3,120	14,300
27	3,560	5,090	4,610	4,050	10,400	3,970	2,570	3,290	e6,120	3,580	3,150	11,100
28	3,780	5,140	4,710	4,070	11,800	3,870	2,500	3,070	e6,740	3,360	3,120	8,650
29	3,980	5,120	4,780	4,270	13,300	3,800	2,510	2,850	e7,710	3,200	3,000	6,860
30	4,130	5,160	4,810	4,770	---	e3,770	2,720	2,650	e9,200	3,170	2,850	5,580
31	4,210	---	4,820	5,500	---	e3,770	---	2,500	---	3,270	2,710	---
MEAN	4,120	4,039	5,278	4,293	12,470	6,922	3,250	5,300	5,474	6,465	3,185	7,939
MAX	6,540	5,690	6,890	5,500	21,500	14,900	3,810	12,800	9,200	13,600	4,020	24,000
MIN	3,210	3,000	4,560	3,820	6,870	3,770	2,500	2,500	2,490	3,170	2,430	2,680
IN.	1.08	1.03	1.39	1.13	3.07	1.82	0.83	1.39	1.39	1.70	0.84	2.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2004, BY WATER YEAR (WY)

MEAN	4,427	4,373	6,273	8,917	10,360	12,260	10,650	6,253	5,158	5,681	5,827	4,568
MAX	24,890	13,870	25,970	29,400	20,460	31,510	27,220	20,870	18,080	48,020	26,770	24,000
(WY)	(1999)	(1931)	(1954)	(1936)	(1978)	(1998)	(1975)	(1946)	(1973)	(1994)	(1939)	(1937)
MIN	1,399	1,742	1,945	2,344	3,684	2,534	3,250	1,774	1,430	1,368	1,420	1,626
(WY)	(1969)	(1955)	(1956)	(1956)	(2002)	(1955)	(2004)	(2000)	(2000)	(2000)	(2000)	(1968)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1931 - 2004	
ANNUAL MEAN	8,586		5,697		7,046	
HIGHEST ANNUAL MEAN					11,620	1948
LOWEST ANNUAL MEAN					2,711	2000
HIGHEST DAILY MEAN	28,100	Apr 14	24,000	Sep 23	164,000	Jul 11, 1994
LOWEST DAILY MEAN	3,000	Nov 18	2,430	Aug 9	1,100	Jul 23, 2000
ANNUAL SEVEN-DAY MINIMUM	3,150	Nov 12	2,620	Apr 24	1,120	Jul 20, 2000
MAXIMUM PEAK FLOW			24,300	Sep 23	165,000	Jul 11, 1994
MAXIMUM PEAK STAGE			14.35	Sep 23	26.76	Jul 11, 1994
INSTANTANEOUS LOW FLOW			2,380	Aug 9	1,070	Jul 23, 2000
ANNUAL RUNOFF (INCHES)	26.59		17.69		21.84	
10 PERCENT EXCEEDS	16,000		11,000		14,000	
50 PERCENT EXCEEDS	6,330		4,370		4,930	
90 PERCENT EXCEEDS	3,810		3,080		2,290	

e Estimated

02366996 ALAQUA CREEK NEAR PLEASANT RIDGE, FL

LOCATION.--Lat 30° 40'08", long 86° 11'12", in SW$^1/_4$ sec. 18, T. 2 N., R. 19 W., Walton County, Hydrologic unit 03140102, on left bank 80 ft downstream from bridge on Nelson Road, 0.3 mi downstream from Cosson Mill Creek, 0.6 mi upstream from Oakie Creek, 1.5 mi southwest of Sconiers Mill, and 1.9 mi south of Pleasant Ridge.

DRAINAGE AREA.--39.1 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is National Geodetic Vertical Datum of 1929, from topographic map. Prior to Jan. 22, 2003, at site 80 ft upstream at same datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	66	74	70	74	92	64	190	123	230	147	164
2	71	64	70	69	75	88	63	117	127	406	116	111
3	71	63	68	69	65	86	61	86	114	337	112	127
4	71	64	96	68	62	84	60	72	86	262	98	95
5	70	64	77	69	61	83	59	67	66	179	96	89
6	70	63	71	70	156	84	59	64	92	176	91	87
7	70	62	69	65	190	81	59	61	189	140	87	124
8	70	61	68	65	83	77	69	58	93	129	85	98
9	71	61	67	68	77	76	61	57	74	124	173	87
10	73	61	86	67	79	74	58	56	70	114	477	88
11	94	59	73	65	99	74	59	58	66	114	338	126
12	97	59	68	64	218	74	66	56	63	103	334	144
13	81	59	77	64	168	72	81	55	62	108	298	95
14	75	57	157	63	371	71	63	55	82	293	150	91
15	70	57	85	63	216	71	59	54	581	146	124	97
16	68	58	77	61	118	80	57	57	449	266	113	1,030
17	68	57	76	62	100	75	56	61	183	142	104	379
18	67	67	71	126	92	70	55	75	433	132	98	224
19	66	201	69	76	88	69	54	73	164	134	94	175
20	65	78	67	68	85	68	54	59	138	106	93	154
21	64	67	67	66	84	67	55	56	145	98	139	141
22	63	64	66	64	79	65	54	55	342	95	154	133
23	62	62	81	63	114	65	53	53	326	92	127	127
24	62	79	185	62	336	65	52	52	159	90	98	122
25	61	70	83	62	186	65	52	51	147	88	114	117
26	102	64	76	66	294	64	55	50	305	91	112	114
27	107	65	72	76	136	64	55	50	617	100	92	110
28	88	253	70	63	107	63	51	49	287	126	123	107
29	81	101	71	62	97	63	52	48	215	225	135	105
30	71	78	99	63	---	78	299	49	227	340	100	104
31	68	---	75	63	---	70	---	48	---	186	103	---
MEAN	73.8	76.1	81.0	67.8	135	73.5	66.5	64.3	201	167	146	159
MAX	107	253	185	126	371	92	299	190	617	406	477	1,030
MIN	61	57	66	61	61	63	51	48	62	88	85	87
IN.	2.18	2.17	2.39	2.00	3.72	2.17	1.90	1.90	5.73	4.92	4.31	4.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	134	85.6	91.6	83.5	85.6	113	84.6	57.6	102	118	98.8	88.4
MAX	491	151	137	139	135	168	119	81.4	201	262	155	159
(WY)	(1999)	(1999)	(1999)	(1999)	(2004)	(2003)	(2002)	(2003)	(2004)	(2003)	(2003)	(2004)
MIN	30.6	45.8	43.5	45.7	46.2	66.3	47.1	33.0	35.7	32.1	31.1	48.7
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	121		109		95.3	
HIGHEST ANNUAL MEAN					147	1999
LOWEST ANNUAL MEAN					55.4	2000
HIGHEST DAILY MEAN	859	Jul 1	1,030	Sep 16	4,400	Oct 1, 1998
LOWEST DAILY MEAN	57	May 14	48	May 29	22	Aug 13, 2000
ANNUAL SEVEN-DAY MINIMUM	58	Nov 11	49	May 25	23	Aug 13, 2000
MAXIMUM PEAK FLOW			1,700	Sep 16	4,400	Oct 1, 1998
MAXIMUM PEAK STAGE			55.85	Sep 16	55.85	Sep 16, 2004
INSTANTANEOUS LOW FLOW			46	May 29	21	Aug 18, 2000
ANNUAL RUNOFF (INCHES)	42.00		37.91		33.10	
10 PERCENT EXCEEDS	216		187		168	
50 PERCENT EXCEEDS	84		76		68	
90 PERCENT EXCEEDS	63		58		38	

02367900 YELLOW RIVER NEAR OAK GROVE, FL

LOCATION.--Lat 30° 55'34", long 86° 33'34", in SE$^1/_4$ sec. 17, T. 5 N., R. 23 W., Okaloosa County, Hydrologic Unit 03140103, at bridge on downstream side at State Highway 2, 0.7 mi east of Oak Grove, and 58 mi above mouth.

DRAINAGE AREA.--523 mi^2, corrected.

PERIOD OF RECORD.--September 1966 to October 1968, (annual maximum and gage height only), October 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1968, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 30, 1998 reached a stage of 108.42 ft, present datum, from floodmarks, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	484	e380	782	746	929	1,580	441	2,920	411	3,340	e360	666
2	452	379	614	679	863	1,300	436	4,080	1,130	2,370	e340	527
3	432	377	535	623	846	1,170	422	4,500	2,030	1,790	e330	540
4	419	e350	556	598	801	1,080	405	2,910	1,980	1,350	e320	562
5	405	e348	596	588	737	1,020	391	1,360	1,440	1,050	e300	521
6	394	366	610	587	1,000	990	381	865	895	857	e280	449
7	393	e357	566	579	1,980	965	374	686	1,050	721	e265	433
8	394	e348	522	558	2,870	918	372	590	1,580	1,120	e250	434
9	405	e350	495	548	2,780	838	368	523	1,100	990	e247	453
10	414	e340	795	569	1,720	773	384	474	771	1,190	369	449
11	521	e338	1,130	598	1,180	727	423	441	669	1,450	384	407
12	657	e327	1,130	572	1,590	695	401	417	573	1,160	570	397
13	691	e327	957	548	2,410	678	400	398	502	750	1,250	380
14	602	e323	1,150	532	3,550	657	446	386	547	630	914	389
15	527	e338	1,390	519	4,590	641	418	408	951	626	699	378
16	476	332	1,330	519	4,510	711	381	488	1,430	566	491	3,510
17	436	332	1,030	508	3,410	791	354	494	1,870	658	389	6,920
18	410	e344	843	646	2,080	783	337	822	2,280	1,110	340	10,500
19	391	e525	754	898	1,470	696	323	884	1,760	1,220	311	10,400
20	382	e540	686	865	1,250	628	313	792	911	850	307	8,060
21	373	e597	635	706	1,140	593	304	646	688	653	358	4,850
22	363	527	617	601	1,060	559	296	600	610	534	428	2,330
23	356	472	610	550	1,060	530	289	482	631	467	604	1,430
24	349	e434	662	539	1,890	508	282	434	793	424	608	1,180
25	342	527	719	532	2,890	490	275	395	1,130	393	485	1,030
26	345	654	720	1,000	3,810	483	283	365	1,450	419	593	927
27	364	595	661	2,480	4,020	480	296	343	2,480	415	560	851
28	438	913	613	3,030	3,540	472	303	323	3,110	381	580	791
29	e456	1,050	590	2,900	2,470	464	340	308	3,910	402	476	734
30	e436	992	632	1,770	---	456	1,910	296	4,130	e490	396	690
31	e404	---	742	1,080	---	448	---	297	---	e350	402	---
MEAN	436	469	764	886	2,153	746	412	933	1,427	927	458	2,040
MAX	691	1,050	1,390	3,030	4,590	1,580	1,910	4,500	4,130	3,340	1,250	10,500
MIN	342	323	495	508	737	448	275	296	411	350	247	378
IN.	0.99	1.03	1.73	2.00	4.55	1.69	0.90	2.11	3.12	2.10	1.04	4.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	1,306	540	644	803	928	1,506	837	501	858	994	710	713
MAX	6,104	1,093	1,004	1,385	2,153	3,455	2,183	933	1,648	2,957	2,200	2,040
(WY)	(1999)	(1999)	(2003)	(1999)	(2004)	(2001)	(2003)	(2004)	(2003)	(2003)	(2003)	(2004)
MIN	102	242	310	357	520	558	405	176	157	117	136	140
(WY)	(2001)	(2002)	(2002)	(2002)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	1,405		963		863	
HIGHEST ANNUAL MEAN					1,479	2003
LOWEST ANNUAL MEAN					305	2000
HIGHEST DAILY MEAN	10,600	Apr 10	10,500	Sep 18	66,100	Oct 1, 1998
LOWEST DAILY MEAN	323	Nov 14	247	Aug 9	86	Oct 31, 2000
ANNUAL SEVEN-DAY MINIMUM	331	Nov 11	285	Aug 3	86	Oct 30, 2000
MAXIMUM PEAK FLOW			11,400	Sep 18	11,400	Sep 18, 2004
MAXIMUM PEAK STAGE			93.68	Sep 18	93.68	Sep 18, 2004
INSTANTANEOUS LOW FLOW			243	Aug 9	84	Oct 31, 2000
ANNUAL RUNOFF (INCHES)	37.42		25.71		22.98	
10 PERCENT EXCEEDS	3,120		1,980		1,780	
50 PERCENT EXCEEDS	858		589		485	
90 PERCENT EXCEEDS	420		343		172	

e Estimated

02368000 YELLOW RIVER AT MILLIGAN, FL

LOCATION.--Lat 30° 45'10", long 86° 37'45", in SE$^1/_4$ sec. 15, T.3 N., R.24 W., Okaloosa County, Hydrologic Unit 03140103, near center on downstream side of bridge on U.S. Highway 90, 0.5 mi east of Milligan, 0.5 mi upstream from Trammel Creek, 6.7 mi upstream from Shoal River, and 40 mi upstream from mouth.

DRAINAGE AREA.--624 mi^2

PERIOD OF RECORD.--July 1938 to September 1993, October 1996 to current year.

REVISED RECORDS.--WSP 892: 1938-39. WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 45.00 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1939, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1929 reached a stage of 26.2 ft, from information by local residents, discharge 137,000 ft^3/s, from rating extended above 46,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	696	529	1,110	864	1,320	2,260	587	2,090	477	2,940	528	735
2	647	510	878	822	1,110	1,800	581	2,290	843	2,520	496	978
3	619	495	729	749	1,030	1,500	570	2,810	1,350	2,080	489	734
4	603	489	776	705	983	1,350	555	3,340	1,780	1,760	468	674
5	587	492	769	690	914	1,250	539	2,550	1,840	1,420	439	645
6	571	492	767	683	1,210	1,190	526	1,640	1,550	1,140	408	586
7	564	487	734	664	1,770	1,150	518	e1,040	1,490	945	385	541
8	562	483	672	649	1,950	1,100	524	e810	1,380	969	364	525
9	567	479	632	632	2,190	1,030	512	e700	1,550	1,300	363	511
10	591	477	946	633	2,280	955	509	e620	1,210	1,230	530	548
11	699	473	1,230	660	1,960	896	540	e560	876	1,260	721	577
12	895	468	1,310	664	1,700	856	557	e510	736	1,350	1,190	558
13	917	462	1,310	635	1,920	828	532	e480	637	1,150	1,930	509
14	857	450	1,340	610	2,290	813	552	e465	630	892	1,630	486
15	750	447	1,420	597	2,900	796	562	e465	1,150	762	1,170	494
16	673	450	1,500	590	3,560	847	528	516	1,450	704	849	2,530
17	624	451	1,440	586	3,550	945	496	572	1,570	679	650	6,210
18	595	474	1,170	718	2,820	948	473	664	1,780	861	548	7,580
19	566	714	966	885	2,130	901	455	950	1,950	1,120	488	9,860
20	546	703	867	1,010	1,690	822	442	926	1,800	1,120	484	10,400
21	533	727	791	910	1,450	768	430	791	1,060	848	704	8,370
22	522	709	738	762	1,320	728	422	708	797	675	755	5,320
23	511	623	719	677	1,290	696	413	591	813	571	919	2,760
24	500	621	813	635	1,660	670	401	514	798	506	891	1,770
25	491	639	821	617	2,030	650	392	464	997	466	759	1,370
26	498	725	838	759	2,440	636	450	424	1,280	462	695	1,190
27	537	768	796	1,430	2,950	632	469	392	1,960	645	767	1,080
28	562	965	729	1,970	3,030	626	430	367	2,350	596	715	995
29	611	1,200	691	2,250	2,770	619	451	347	2,650	595	774	931
30	592	1,220	768	2,310	---	614	1,650	334	2,930	714	760	875
31	555	---	809	1,950	---	604	---	338	---	513	590	---
MEAN	614	607	938	913	2,007	951	536	944	1,389	1,058	724	2,345
MAX	917	1,220	1,500	2,310	3,560	2,260	1,650	3,340	2,930	2,940	1,930	10,400
MIN	491	447	632	586	914	604	392	334	477	462	363	486
IN.	1.14	1.09	1.73	1.69	3.47	1.76	0.96	1.74	2.49	1.95	1.34	4.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	706	728	1,139	1,407	1,616	2,016	1,643	1,026	900	868	938	866
MAX	6,587	2,737	6,232	3,375	3,066	6,380	5,322	4,173	3,733	3,191	5,434	4,305
(WY)	(1999)	(1990)	(1954)	(1990)	(1979)	(1998)	(1975)	(1978)	(1970)	(1940)	(1975)	(1975)
MIN	151	201	286	371	567	405	456	220	206	172	218	179
(WY)	(2001)	(1955)	(1955)	(1955)	(1950)	(1955)	(1967)	(2002)	(2002)	(2000)	(2000)	(1972)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL MEAN	1,438		1,079		1,153	
HIGHEST ANNUAL MEAN					2,206	1975
LOWEST ANNUAL MEAN					374	2000
HIGHEST DAILY MEAN	8,200	Apr 11	10,400	Sep 20	71,700	Oct 1, 1998
LOWEST DAILY MEAN	447	Nov 15	334	May 30	123	Jun 14, 2000
ANNUAL SEVEN-DAY MINIMUM	457	Nov 11	381	May 25	127	Oct 29, 2000
MAXIMUM PEAK FLOW			10,900	Sep 19	82,800	Sep 30, 1998
MAXIMUM PEAK STAGE			11.31	Sep 19	23.92	Sep 30, 1998
INSTANTANEOUS LOW FLOW			323	May 31	120	Jun 13, 2000
ANNUAL RUNOFF (INCHES)	31.30		23.55		25.10	
10 PERCENT EXCEEDS	2,570		1,960		2,240	
50 PERCENT EXCEEDS	1,080		734		746	
90 PERCENT EXCEEDS	554		474		309	

e Estimated

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL

LOCATION.--Lat 30° 56'02", long 86° 13'32", in NE $^1/_4$ sec. 15, T.5N., R.20W., Walton County, Hydrologic Unit 03140103, on upstream side of culvert on County Road 0605, 2.6 mi north of the community of Caney Creek, and 5.2 mi southeast of Paxton.

DRAINAGE AREA.--0.19 mi^2.

PERIOD OF RECORD.--October 1995 to September 1998 (fragmentary), October 1998 to September 1999, October 1999 to September 2000 (fragmentary), October 2000 to September 2001, October 2001 to September 2002 (fragmentary), October 2002 to current year.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records poor. Continuous discharge data for water years 1996-2003 are published in Appendix at end of this report.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.26	0.00	1.1	0.07	0.79	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.12	0.00	1.6	0.04	0.62	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.88	0.00	0.73	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.67	0.00	0.00
5	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.21	0.00	0.62	0.00	0.00
6	0.00	0.00	0.00	0.00	2.7	0.00	0.00	0.05	0.00	0.33	0.00	0.00
7	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.32	0.00	0.00
8	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.00	0.00	1.7	0.00	0.00
9	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	1.6	0.00	0.00
10	0.00	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00	0.79	0.00	0.00
11	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.04	0.67	0.00	0.00
12	0.00	0.00	0.00	0.00	2.8	0.00	0.00	0.00	0.00	0.57	0.00	0.00
13	0.00	0.00	0.04	0.00	1.2	0.00	0.00	e0.00	0.00	0.43	0.00	0.00
14	0.00	0.00	0.00	0.00	3.2	0.00	0.00	e0.00	0.00	0.42	0.00	0.00
15	0.00	0.00	0.00	0.00	1.4	0.00	0.00	e0.00	1.4	0.69	0.00	0.09
16	0.00	0.00	0.00	0.00	0.87	0.00	0.00	e0.00	0.86	2.6	0.00	19
17	0.00	0.00	0.00	0.06	0.48	0.00	0.00	0.00	0.69	0.93	0.00	1.5
18	0.00	0.10	0.00	0.00	0.34	e0.00	0.00	0.00	0.49	0.75	0.00	0.73
19	0.00	0.00	0.00	0.00	0.16	e0.00	0.00	0.00	0.25	0.71	0.00	0.48
20	0.00	0.00	0.00	0.00	0.05	e0.00	0.00	0.00	0.04	0.59	0.01	0.18
21	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.28	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.03	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	1.2	0.00	0.00	0.00	0.04	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	2.0	0.00	0.00	0.00	0.08	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	2.6	0.00	0.00	0.00	0.01	0.00	0.00	0.00
26	0.01	0.00	0.00	0.00	1.9	0.00	0.00	0.00	5.6	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	5.3	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.66	0.00	0.00	0.00	5.1	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.41	0.00	1.3	0.00	3.2	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	2.8	0.00	1.5	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.85	0.01	0.14	0.14	0.82	0.54	0.00	0.73
MAX	0.01	0.10	0.04	0.06	3.2	0.26	2.8	1.6	5.6	2.6	0.01	19
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	0.06	0.20	0.22	0.29	0.53	0.75	0.22	0.14	0.25	0.28	0.20	0.53
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.82	0.73	0.46	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(2004)	(1997)	(2001)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(2004)	(2004)	(2000)	(2001)	(2004)	(1999)	(2001)	(2002)	(2001)	(2004)	(1999)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL MEAN	0.16		0.27		0.38	
HIGHEST ANNUAL MEAN					0.76	1998
LOWEST ANNUAL MEAN					0.20	2003
HIGHEST DAILY MEAN	12	Jul 1	19	Sep 16	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Jan 5	0.00	Oct 1	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 5	0.00	Oct 1	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW			84	Sep 16	243	Mar 8, 1998
MAXIMUM PEAK STAGE			6.75	Sep 16	9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	May 7, 1997
10 PERCENT EXCEEDS	0.49		0.70		0.83	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

02368500 SHOAL RIVER NEAR MOSSY HEAD, FL

LOCATION.--Lat 30° 47'45", long 86° 18'25", in SW1/4 sec. 36, T.4 N., R.21 W., Walton County, Hydrologic Unit 03140103, near center span on dowstream side of bridge on County Road 1087, about 200 ft downstream from Machine Branch, 3.9 mi north of Mossy Head, and 34 mi upstream from mouth.

DRAINAGE AREA.--123 mi^2.

PERIOD OF RECORD.--March 1951 to September 1978, May 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 105.59 ft National Geodetic Vertical Datum of 1929. Prior to July 24, 1956, at site 300 ft north at same datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	109	137	131	137	291	124	1,110	150	452	197	148
2	122	107	128	125	156	268	119	598	293	490	187	159
3	119	103	123	122	136	252	114	468	338	564	169	144
4	117	103	218	121	125	241	111	320	211	478	154	124
5	118	103	188	122	119	231	109	238	143	369	146	114
6	112	102	149	125	472	227	106	193	131	284	138	109
7	112	102	136	119	864	219	106	168	205	245	130	137
8	112	101	131	115	377	205	121	152	169	228	122	141
9	113	99	129	117	255	193	e121	141	138	472	145	119
10	116	99	158	122	222	184	e121	134	126	300	323	109
11	148	97	152	116	244	178	e120	148	110	254	516	114
12	189	96	134	113	559	172	e120	134	106	219	341	129
13	161	95	141	112	654	168	120	126	107	227	290	116
14	138	92	273	111	720	162	114	121	116	531	201	112
15	126	91	206	110	780	161	103	116	647	396	169	118
16	119	91	159	109	474	167	99	112	1,090	819	154	2,580
17	115	93	146	118	350	169	95	113	539	652	145	4,870
18	113	103	135	443	291	156	92	124	411	363	138	1,530
19	110	328	130	237	258	150	91	117	285	333	130	958
20	107	213	126	165	242	148	89	137	216	337	129	705
21	105	136	124	143	231	143	87	125	189	251	177	553
22	103	119	123	133	217	138	86	107	207	220	165	462
23	102	113	127	127	251	133	84	99	287	202	198	398
24	100	131	205	122	684	131	81	96	254	188	158	344
25	101	135	167	121	605	130	78	91	202	175	138	294
26	124	118	139	128	863	128	82	86	362	172	138	261
27	162	116	130	144	649	127	86	82	1,010	179	129	233
28	140	289	127	130	413	124	80	79	1,290	218	133	212
29	140	251	125	122	333	121	91	76	946	192	139	194
30	120	156	153	127	---	132	1,150	73	682	268	122	179
31	113	---	144	131	---	140	---	73	---	214	121	---
MEAN	123	130	150	138	403	174	137	186	365	332	179	522
MAX	189	328	273	443	864	291	1,150	1,110	1,290	819	516	4,870
MIN	100	91	123	109	119	121	78	73	106	172	121	109
IN.	1.15	1.18	1.41	1.29	3.53	1.63	1.24	1.74	3.31	3.11	1.68	4.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	180	167	239	267	303	306	299	200	204	203	216	222
MAX	963	556	890	652	649	739	837	630	582	641	831	708
(WY)	(1976)	(1976)	(1954)	(1974)	(1974)	(1978)	(1964)	(1978)	(1959)	(2003)	(1975)	(1975)
MIN	48.6	67.3	67.1	93.2	102	78.3	90.3	48.1	46.2	46.7	49.6	52.4
(WY)	(2001)	(1956)	(1956)	(2002)	(2002)	(1955)	(1967)	(2000)	(2000)	(2000)	(2000)	(1972)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL MEAN	265		235		237	
HIGHEST ANNUAL MEAN					399	1978
LOWEST ANNUAL MEAN					113	2002
HIGHEST DAILY MEAN	2,540	Jul 2	4,870	Sep 17	8,250	Jul 31, 1975
LOWEST DAILY MEAN	90	Jun 2	73	May 30	29	Jun 26, 2000
ANNUAL SEVEN-DAY MINIMUM	94	Nov 11	80	May 25	34	Jun 20, 2000
MAXIMUM PEAK FLOW			6,780	Sep 17	10,500	Apr 27, 1964
MAXIMUM PEAK STAGE			19.96	Sep 17	23.64	Apr 27, 1964
INSTANTANEOUS LOW FLOW			70	May 31	27	Jun 26, 2000
ANNUAL RUNOFF (INCHES)	29.22		26.02		26.20	
10 PERCENT EXCEEDS	500		464		436	
50 PERCENT EXCEEDS	177		138		161	
90 PERCENT EXCEEDS	108		102		77	

e Estimated

02369000 SHOAL RIVER NEAR CRESTVIEW, FL

LOCATION.--Lat 30° 41'50", long 86° 34'15", in SW$^1/_4$ sec. 5, T. 2 N., R. 23 W., Okaloosa County, Hydrologic Unit 03140103, near center of bridge on downstream side of southbound lane on State Highway 85, 3.5 mi downstream from Titi Creek, 4.2 mi south of Crestview, and 7 mi upstream from mouth.

DRAINAGE AREA.--474 mi^2.

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

REVISED RECORDS.--WSP 1274: 1939-40, 1944, 1947, 1950. WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 47.21 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 12, 1939, June 12, 1972 to Aug. 22, 1973, and July 8, 1994 to Oct. 6, 1995, nonrecording gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	766	639	754	713	685	1,160	634	4,520	609	4,180	910	988
2	744	624	689	661	768	1,050	596	5,800	1,070	2,500	872	1,150
3	727	611	657	645	739	997	579	4,230	1,440	1,830	804	1,230
4	719	605	785	641	669	958	567	2,180	1,590	1,910	785	1,120
5	715	628	932	639	631	931	555	1,230	1,070	1,600	764	913
6	707	e648	835	651	798	921	543	950	790	1,290	705	788
7	699	603	717	636	2,020	917	542	e800	962	1,060	641	778
8	697	591	675	613	3,040	879	603	e760	1,030	1,070	602	845
9	692	586	659	614	2,050	834	604	e710	902	1,590	591	811
10	707	584	862	632	1,050	801	e570	e690	781	1,730	1,210	760
11	806	576	988	626	997	778	e575	e630	701	1,330	2,050	929
12	977	569	857	612	1,410	767	e580	e600	684	1,040	2,770	971
13	986	564	763	602	2,300	756	585	e590	915	943	2,840	971
14	880	545	989	599	2,930	740	572	e585	902	1,130	1,930	846
15	792	540	1,120	590	2,950	734	542	580	1,290	1,590	1,110	813
16	729	544	941	581	2,790	761	510	573	2,760	1,270	912	4,630
17	695	551	810	580	1,910	823	492	609	3,570	1,200	832	10,500
18	681	571	745	884	1,280	791	480	737	2,930	1,360	778	13,500
19	663	880	706	1,250	1,070	728	469	845	1,760	1,050	735	9,930
20	650	1,040	679	957	1,000	700	463	720	1,290	959	714	6,230
21	638	864	661	750	968	680	461	666	1,020	910	1,100	3,530
22	627	688	652	682	932	659	456	612	983	824	1,340	2,510
23	620	637	652	651	931	641	468	564	1,140	768	1,220	2,110
24	611	693	744	632	1,570	628	450	530	1,190	726	1,210	1,880
25	605	773	816	621	2,550	624	428	508	1,040	693	944	1,700
26	625	705	736	623	2,800	618	470	486	1,030	684	854	1,540
27	783	654	677	786	2,690	616	539	468	2,720	765	901	1,430
28	822	841	650	871	2,270	e613	488	453	4,040	892	848	1,320
29	773	1,040	646	720	1,490	e640	478	439	4,430	871	804	e1,250
30	721	937	720	663	---	e660	1,940	433	4,620	1,100	863	e1,190
31	665	---	779	678	---	670	---	428	---	1,100	817	---
MEAN	727	678	771	690	1,631	777	575	1,094	1,642	1,289	1,079	2,572
MAX	986	1,040	1,120	1,250	3,040	1,160	1,940	5,800	4,620	4,180	2,840	13,500
MIN	605	540	646	580	631	613	428	428	609	684	591	760
MED	707	626	744	641	1,410	756	542	612	1,070	1,100	863	1,210
IN.	1.77	1.60	1.88	1.68	3.71	1.89	1.35	2.66	3.87	3.14	2.63	6.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2004, BY WATER YEAR (WY)

MEAN	856	846	1,009	1,210	1,356	1,496	1,281	973	1,009	1,107	1,117	1,079
MAX	4,097	2,252	3,601	2,606	2,974	3,327	3,056	2,752	4,421	5,436	4,385	4,370
(WY)	(1999)	(1996)	(1954)	(1978)	(1982)	(1948)	(1960)	(1978)	(1989)	(1994)	(1975)	(1998)
MIN	265	331	345	417	500	365	396	254	309	265	261	301
(WY)	(2001)	(1955)	(1956)	(1939)	(2001)	(1955)	(2000)	(2000)	(2000)	(2000)	(2000)	(1972)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1938 - 2004	
ANNUAL MEAN	1,335		1,122		1,111	
HIGHEST ANNUAL MEAN					1,781	1978
LOWEST ANNUAL MEAN					470	2000
HIGHEST DAILY MEAN	9,050	Jul 3	13,500	Sep 18	55,500	Sep 30, 1998
LOWEST DAILY MEAN	540	Nov 15	428	Apr 25	186	Jun 11, 2000
ANNUAL SEVEN-DAY MINIMUM	555	Nov 12	456	Apr 19	190	Jun 8, 2000
MAXIMUM PEAK FLOW			14,200	Sep 18	59,100	Sep 30, 1998
MAXIMUM PEAK STAGE			12.19	Sep 18	21.40	Sep 30, 1998
INSTANTANEOUS LOW FLOW			421	Apr 26	183	Jun 12, 2000
ANNUAL RUNOFF (INCHES)	38.24		32.22		31.85	
10 PERCENT EXCEEDS	2,560		1,930		2,020	
50 PERCENT EXCEEDS	937		773		828	
90 PERCENT EXCEEDS	651		572		424	

e Estimated

02369600 YELLOW RIVER NEAR MILTON, FL

LOCATION.--Lat 30° 34'16", long 86° 55'28", in NE$^1/_4$ sec. 26, T. 1 N., R. 27 W., Santa Rosa County, Hydrologic Unit 03140103, at main channel on downstream side of bridge on State Highway 87, 5.9 mi upstream from mouth, and 8.0 mi southeast of Milton.

DRAINAGE AREA.--1,350 mi^2, approximately.

PERIOD OF RECORD.--October 1964 to October 1972 (annual maximum elevation), October 2001 to current year.

GAGE.--Water-stage and water-current meter recorders. Datum of gage is 35.5 ft below National Geodetic Vertical Datum of 1929 (from design datum of bridge deck furnished by Florida Department of Transportation). Prior to October 1972, nonrecording gage at present site at National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is tide affected. Maximum gage height, 45.22 ft and mean daily discharge of 504 ft^3/s on Sept. 16, 2004, were result of Hurricane Ivan storm surge.

MAIN CHANNEL ONLY

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,010	1,970	2,360	1,810	3,290	4,290	1,540	2,340	1,650	4,160	2,160	2,340
2	2,820	1,880	2,590	1,850	3,410	4,130	1,730	2,900	1,760	4,400	2,300	2,310
3	2,680	1,760	2,550	1,020	3,310	3,970	1,870	3,980	2,000	4,320	2,220	2,400
4	2,730	1,560	2,540	1,010	2,910	3,710	1,780	4,980	2,210	4,000	1,980	2,610
5	2,610	1,630	2,370	1,320	1,790	3,350	1,710	4,100	2,400	3,800	1,780	2,870
6	2,600	1,690	2,020	1,480	1,710	3,260	1,640	3,880	2,650	3,650	1,700	2,880
7	2,650	1,690	1,870	1,180	2,500	3,120	1,650	3,660	3,020	3,420	1,740	2,630
8	2,600	1,680	1,780	1,040	2,600	2,890	1,640	3,380	2,990	3,140	1,610	2,430
9	2,600	1,650	1,840	1,090	2,810	2,700	1,750	2,870	2,910	2,870	1,520	2,140
10	2,590	1,590	2,120	1,210	3,520	2,460	1,730	2,530	2,690	2,680	2,060	2,010
11	2,560	1,530	2,260	931	4,090	2,430	1,560	2,120	2,580	2,520	2,220	1,980
12	2,660	1,160	2,270	818	4,180	2,270	1,410	1,760	2,510	2,770	2,280	2,060
13	2,690	996	2,370	775	4,050	2,210	1,860	1,620	2,380	2,890	2,790	2,210
14	2,840	1,300	2,700	730	3,950	2,280	1,760	1,570	2,090	3,100	3,440	2,230
15	2,900	1,250	2,940	948	3,940	2,220	1,690	1,520	1,980	2,920	3,910	2,050
16	2,890	1,320	2,870	961	3,780	1,920	1,690	1,510	2,110	2,590	4,000	504
17	2,800	1,370	3,050	1,010	2,990	2,310	1,690	1,510	2,200	2,460	3,800	4,370
18	2,730	946	3,100	1,470	2,880	1,960	1,600	1,550	2,510	2,500	3,390	4,080
19	2,580	1,330	3,170	1,690	2,970	2,270	1,530	1,590	3,090	2,730	2,910	6,050
20	2,530	1,960	2,970	1,690	3,350	2,420	1,480	1,750	3,620	2,580	2,410	6,230
21	2,520	1,970	2,540	1,880	2,860	2,400	1,400	1,910	3,650	2,540	2,300	6,450
22	2,510	2,030	2,110	2,210	2,710	2,320	1,420	1,940	3,390	2,560	2,270	6,210
23	2,580	2,130	1,910	2,330	2,960	2,050	1,420	1,930	3,140	2,480	2,340	5,830
24	2,490	2,210	1,970	2,040	3,140	1,920	1,430	1,810	2,810	2,210	2,580	5,440
25	e2,600	2,100	1,890	1,510	3,190	1,770	1,410	1,630	2,550	1,950	2,810	5,220
26	e3,100	2,000	1,850	1,640	3,240	1,420	1,440	1,520	2,450	1,710	2,930	4,770
27	e2,900	1,970	1,890	1,680	3,680	1,670	1,570	1,440	2,390	1,920	2,880	4,360
28	e2,500	2,240	1,870	1,800	4,210	1,620	1,630	1,370	2,410	2,010	2,640	4,150
29	2,200	2,320	1,840	1,900	4,450	1,630	1,580	1,340	2,650	1,980	2,420	3,950
30	2,000	2,260	1,960	2,310	---	1,700	2,010	1,270	3,550	1,890	2,320	3,640
31	2,010	---	1,800	2,840	---	1,870	---	1,300	---	2,010	2,340	---
MEAN	2,628	1,716	2,302	1,489	3,258	2,469	1,621	2,212	2,611	2,799	2,518	3,547
MAX	3,100	2,320	3,170	2,840	4,450	4,290	2,010	4,980	3,650	4,400	4,000	6,450
MIN	2,000	946	1,780	730	1,710	1,420	1,400	1,270	1,650	1,710	1,520	504
IN.	2.26	1.43	1.98	1.28	2.62	2.12	1.35	1.90	2.17	2.41	2.17	2.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	1,925	1,854	1,885	1,677	2,393	2,589	1,867	1,938	2,303	2,909	2,659	2,667
MAX	2,628	2,753	2,302	2,245	3,258	3,530	2,637	2,629	3,282	4,681	4,154	3,547
(WY)	(2004)	(2003)	(2004)	(2003)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	901	1,092	1,189	1,297	1,592	1,766	1,342	972	1,016	1,249	1,305	1,414
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL MEAN	2,937		2,427		2,221	
HIGHEST ANNUAL MEAN					2,978	2003
LOWEST ANNUAL MEAN					1,259	2002
HIGHEST DAILY MEAN	6,570	Jul 5	6,450	Sep 21	6,570	Jul 5, 2003
LOWEST DAILY MEAN	946	Nov 18	504	Sep 16	504	Sep 16, 2004
ANNUAL SEVEN-DAY MINIMUM	1,190	Nov 12	882	Jan 11	687	Oct 10, 2001
MAXIMUM PEAK FLOW			6,450	Sep 21	6,570	Jul 5, 2003
MAXIMUM PEAK STAGE			43.73	Sep 21	43.73	Sep 21, 2004
ANNUAL RUNOFF (INCHES)	29.76		24.66		22.52	
10 PERCENT EXCEEDS	4,420		3,730		3,900	
50 PERCENT EXCEEDS	2,840		2,300		1,970	
90 PERCENT EXCEEDS	1,690		1,460		1,020	

e Estimated

02370000 BLACKWATER RIVER NEAR BAKER, FL

LOCATION.--Lat 30° 50'00", long 86° 44'05", in SW$^1/_4$ sec. 22, T. 4 N., R. 25 W., Okaloosa County, Blackwater River State Forest, Hydrologic Unit 03140104, near left bank on downstream side of bridge on State Highway 4, 0.3 mi downstream from Red Wash Branch, 3.8 mi northwest of Baker, and 35 mi upstream from mouth.

DRAINAGE AREA.--205 mi^2

PERIOD OF RECORD.--March 1950 to September 1992, October 1996 to current year.

REVISED RECORDS.--WSP 1704: 1950 (M), 1951-52.

GAGE.--Water-stage recorder. Datum of gage is 60.5 ft above National Geodetic Vertical Datum of 1929 (from design datum of bridge curb furnished by Florida Department of Transportation).

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	151	248	260	362	521	149	1,230	207	497	165	186
2	209	148	226	238	335	455	146	786	364	386	147	187
3	199	145	207	227	305	411	143	615	594	431	140	179
4	193	143	252	221	280	379	141	422	460	394	134	162
5	188	142	316	219	260	355	138	321	326	335	128	150
6	183	145	269	218	449	340	134	266	264	291	126	143
7	180	143	236	211	1,180	327	132	233	272	250	126	141
8	178	142	216	203	980	306	133	213	270	227	125	142
9	212	141	203	200	609	283	132	199	232	329	125	141
10	222	141	564	207	480	267	128	189	221	535	151	137
11	252	140	657	213	456	255	126	181	255	511	195	139
12	369	138	483	206	853	245	129	176	196	384	491	180
13	331	137	392	201	1,200	237	147	170	183	305	531	167
14	278	135	639	195	1,320	228	158	167	200	271	323	151
15	238	133	584	190	1,230	221	142	166	381	238	241	152
16	215	132	460	187	924	247	132	166	409	234	203	2,620
17	199	133	385	183	703	303	125	166	324	240	181	4,950
18	188	142	332	288	571	261	121	173	343	229	166	4,390
19	182	269	294	372	487	228	120	255	331	219	155	2,040
20	175	274	271	306	437	211	120	230	271	197	151	941
21	170	217	254	256	407	201	119	191	308	180	171	670
22	166	188	242	236	373	192	119	238	276	168	197	528
23	161	171	239	221	385	183	119	253	319	160	216	453
24	157	189	261	209	1,030	178	119	199	318	153	199	396
25	153	264	275	200	1,180	174	119	174	347	152	176	353
26	155	241	251	564	1,560	170	119	164	418	154	162	321
27	167	214	239	1,350	1,270	167	120	164	760	192	153	296
28	177	403	228	791	851	162	122	163	718	187	153	278
29	171	394	220	542	636	159	123	163	634	184	164	263
30	162	299	275	445	---	155	961	163	635	206	180	250
31	155	---	294	409	---	153	---	163	---	166	179	---
MEAN	200	188	323	315	728	257	158	270	361	271	192	704
MAX	369	403	657	1,350	1,560	521	961	1,230	760	535	531	4,950
MIN	153	132	203	183	260	153	119	163	183	152	125	137
IN.	1.13	1.03	1.82	1.77	3.83	1.45	0.86	1.52	1.97	1.53	1.08	3.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	210	231	352	433	509	554	427	297	304	259	286	316
MAX	941	1,142	2,029	1,200	1,158	1,661	1,223	1,438	1,845	972	1,772	1,954
(WY)	(1976)	(1990)	(1954)	(1978)	(1962)	(1990)	(1975)	(1978)	(1970)	(2003)	(1975)	(1998)
MIN	63.9	67.8	74.2	96.8	154	86.1	100	77.6	74.4	71.7	75.6	65.9
(WY)	(2001)	(1956)	(1956)	(1955)	(1951)	(1955)	(1968)	(2002)	(2002)	(2000)	(1954)	(1954)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL MEAN	444		328		348	
HIGHEST ANNUAL MEAN					738	1975
LOWEST ANNUAL MEAN					131	2000
HIGHEST DAILY MEAN	3,090	Jul 2	4,950	Sep 17	23,900	Sep 29, 1998
LOWEST DAILY MEAN	104	Jun 2	119	Apr 21	58	Oct 29, 2000
ANNUAL SEVEN-DAY MINIMUM	122	May 29	119	Apr 20	58	Oct 28, 2000
MAXIMUM PEAK FLOW			5,460	Sep 17	26,500	Sep 29, 1998
MAXIMUM PEAK STAGE			15.26	Sep 17	25.68	Sep 29, 1998
INSTANTANEOUS LOW FLOW			117	Apr 23	57	Oct 29, 2000
ANNUAL RUNOFF (INCHES)	29.43		21.80		23.05	
10 PERCENT EXCEEDS	950		566		662	
50 PERCENT EXCEEDS	279		218		200	
90 PERCENT EXCEEDS	148		140		94	

02370500 BIG COLDWATER CREEK NEAR MILTON, FL

LOCATION.--Lat 30° 42'30", long 86° 58'20", in SW$^1/_4$ sec.5, T.2 N., R.27 W., Santa Rosa County, Hydrologic Unit 03140104, near center channel on downstream side of bridge on State Highway 191, 3 mi upstream from mouth, and 6.5 mi northeast of Milton.

DRAINAGE AREA.--237 mi^2

PERIOD OF RECORD.--October 1938 to June 1979, October 1979 to September 1980 (gage heights and discharge measurements only), October 1980 to September 1991, October 1997 to August 1999, May 2000 to current year. Monthly discharge only for some periods, published in WSP 1304. Records published as "Coldwater Creek near Milton" prior to October 1956, and "Big Coldwater River near Milton" October 1956 to September 1957.

REVISED RECORDS.--WSP 892: 1939. WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 9.10 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 2, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	352	336	429	480	493	640	329	2,600	419	714	513	464
2	346	330	402	439	471	598	324	1,330	931	650	430	456
3	341	323	387	424	453	564	323	992	842	802	382	440
4	347	325	491	414	428	537	319	665	637	702	352	413
5	342	332	536	406	412	522	314	531	472	568	339	366
6	338	331	467	394	649	518	313	472	412	507	323	342
7	340	328	415	372	1,930	519	314	425	474	478	307	334
8	341	326	390	360	1,240	488	325	391	432	977	294	361
9	341	321	385	368	699	464	320	366	363	1,260	287	358
10	350	321	795	392	602	447	312	346	329	715	384	330
11	412	319	1,410	377	605	430	307	333	309	543	485	335
12	502	318	785	363	1,030	420	326	320	297	485	1,790	349
13	442	314	604	358	1,870	411	328	312	306	439	2,790	345
14	402	301	808	353	1,520	403	311	304	367	418	913	343
15	371	302	812	351	1,330	403	302	296	787	409	582	352
16	354	307	625	347	1,020	466	295	294	1,020	621	492	4,990
17	343	310	547	352	775	e552	290	295	670	1,070	443	13,900
18	340	344	502	633	669	e560	287	547	579	1,100	400	10,800
19	336	573	470	757	609	e539	283	884	672	657	373	2,940
20	329	559	446	558	576	e500	283	653	556	512	374	1,420
21	326	417	424	475	554	e471	281	467	863	450	972	1,010
22	323	369	410	431	526	e393	283	413	1,160	407	1,020	836
23	319	352	412	404	539	e362	282	418	975	380	787	743
24	315	481	516	388	1,080	356	278	350	1,050	357	593	679
25	314	693	559	382	1,390	355	276	317	1,210	345	504	625
26	337	544	477	617	1,730	359	288	300	1,440	441	461	586
27	493	472	432	1,050	1,600	356	329	286	1,690	518	425	558
28	436	557	406	725	883	354	306	278	1,630	465	408	527
29	379	560	404	554	712	351	293	272	1,210	392	510	508
30	356	476	491	511	---	347	1,330	271	1,000	436	567	490
31	342	---	564	524	---	339	---	269	---	550	493	---
MEAN	362	395	542	470	910	452	338	516	770	593	613	1,540
MAX	502	693	1,410	1,050	1,930	640	1,330	2,600	1,690	1,260	2,790	13,900
MIN	314	301	385	347	412	339	276	269	297	345	287	330
IN.	1.76	1.86	2.64	2.29	4.14	2.20	1.59	2.51	3.63	2.88	2.98	7.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	413	448	517	597	640	742	610	483	571	538	546	574
MAX	1,325	1,278	1,383	1,422	1,159	2,240	1,330	1,209	2,526	1,404	2,476	2,435
(WY)	(1976)	(1976)	(1954)	(1978)	(1962)	(1990)	(1961)	(1991)	(1989)	(1940)	(1975)	(1988)
MIN	178	206	207	273	308	253	261	198	189	227	208	195
(WY)	(1969)	(1956)	(1956)	(1956)	(1957)	(1955)	(1968)	(2002)	(2002)	(2000)	(1956)	(1968)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL MEAN	676		622		555	
HIGHEST ANNUAL MEAN					861	1976
LOWEST ANNUAL MEAN					291	2002
HIGHEST DAILY MEAN	7,780	Jul 2	13,900	Sep 17	29,700	Mar 17, 1990
LOWEST DAILY MEAN	301	Nov 14	269	May 31	158	Jun 10, 1956
ANNUAL SEVEN-DAY MINIMUM	310	Nov 11	281	Apr 19	171	Oct 28, 1968
MAXIMUM PEAK FLOW			17,100	Sep 17	36,900	Mar 17, 1990
MAXIMUM PEAK STAGE			15.75	Sep 17	22.98	Mar 17, 1990
INSTANTANEOUS LOW FLOW			266	May 30	156	Jun 10, 1956
ANNUAL RUNOFF (INCHES)	38.73		35.73		31.80	
10 PERCENT EXCEEDS	1,120		1,000		888	
50 PERCENT EXCEEDS	502		430		410	
90 PERCENT EXCEEDS	341		312		258	

e Estimated

02370700 POND CREEK NEAR MILTON, FL

LOCATION.--Lat 30° 40'50", long 87° 07'55", in $SE^1/_4$ sec. 15, T.2 N., R.29 W., Santa Rosa County, Hydrologic Unit 03140104, near center of span on upstream side of bridge on State Highway 191, 0.6 mi downstream from Reader Creek, 6.4 mi northwest of Milton, and 10 mi upstream from mouth.

DRAINAGE AREA.--58.7 mi^2.

PERIOD OF RECORD.--January 1958 to July 1978; August 1978 to October 1983, 1992, 1993, 1997, 1998 (discharge measurements only); November 1999 to September 2002, October 2002 to September 2003 (fragmentary), October 2003 to September 2004.

GAGE.--Water-stage recorder. Datum of gage is 47.45 ft above National Geodetic Vertical Datum of 1929.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	53	54	40	55	66	48	95	65	52	53	57
2	55	52	52	39	55	65	48	84	74	80	44	91
3	55	51	52	39	54	62	47	66	53	77	41	49
4	56	52	72	39	54	60	47	49	49	58	39	44
5	56	53	62	40	52	60	47	45	42	49	39	41
6	55	52	55	41	96	61	47	43	48	46	38	40
7	56	52	53	41	165	60	48	42	53	48	37	40
8	56	51	52	41	79	56	51	41	41	44	37	41
9	56	51	54	45	64	55	48	41	39	43	37	40
10	62	51	146	48	64	55	47	40	39	44	75	39
11	97	51	122	47	82	54	47	40	45	45	61	39
12	82	51	68	47	153	55	50	40	42	42	233	42
13	65	50	69	46	123	54	48	40	38	41	93	44
14	61	48	101	47	132	53	47	40	63	42	51	46
15	57	49	72	47	111	54	46	40	154	40	44	49
16	55	49	63	47	81	83	45	40	95	101	42	1,160
17	55	50	60	49	71	70	45	39	53	72	41	999
18	55	57	57	102	65	57	45	39	48	57	40	350
19	54	86	56	65	63	55	44	39	43	47	39	182
20	53	60	55	54	62	53	44	39	51	43	40	115
21	52	53	54	51	60	52	44	38	90	41	61	88
22	52	51	54	50	58	51	45	38	64	40	50	78
23	51	51	56	49	70	50	44	38	87	39	55	74
24	51	80	66	48	146	50	44	38	85	39	49	71
25	52	66	58	48	119	51	44	37	128	38	44	69
26	64	55	55	103	133	51	53	37	80	44	44	67
27	70	58	53	127	89	50	54	37	63	41	45	66
28	60	94	53	66	75	50	46	37	60	44	42	64
29	56	66	54	58	69	49	45	36	71	60	60	63
30	54	56	62	58	---	49	95	37	59	44	49	63
31	53	---	46	60	---	48	---	37	---	71	45	---
MEAN	58.5	56.6	64.1	54.3	86.2	56.1	48.4	43.6	64.1	50.7	53.8	140
MAX	97	94	146	127	165	83	95	95	154	101	233	1,160
MIN	51	48	46	39	52	48	44	36	38	38	37	39
IN.	1.15	1.08	1.26	1.07	1.58	1.10	0.92	0.86	1.22	1.00	1.06	2.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	67.4	64.5	70.5	77.2	79.2	81.6	78.2	65.6	82.6	71.8	77.7	81.2
MAX	151	158	130	189	143	145	166	149	275	164	224	212
(WY)	(1976)	(1976)	(1962)	(1978)	(1961)	(1977)	(1960)	(1978)	(1970)	(2003)	(1975)	(1960)
MIN	27.6	30.8	35.1	36.5	34.7	35.8	34.3	28.9	24.9	27.4	29.9	28.6
(WY)	(1969)	(1969)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1968)

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL MEAN	64.5		75.9	
HIGHEST ANNUAL MEAN			125	1978
LOWEST ANNUAL MEAN			38.7	2002
HIGHEST DAILY MEAN	1,160	Sep 16	2,460	Sep 16, 1960
LOWEST DAILY MEAN	36	May 29	22	Jun 24, 2002
ANNUAL SEVEN-DAY MINIMUM	37	May 25	23	Jul 14, 2002
MAXIMUM PEAK FLOW	1,530	Sep 17	4,580	Jun 3, 1970
MAXIMUM PEAK STAGE	9.69	Sep 17	12.97	Jun 3, 1970
INSTANTANEOUS LOW FLOW	36	May 26	21	Jun 24, 2002
ANNUAL RUNOFF (INCHES)	14.95		17.56	
10 PERCENT EXCEEDS	85		115	
50 PERCENT EXCEEDS	52		64	
90 PERCENT EXCEEDS	40		37	

02375500 ESCAMBIA RIVER NEAR CENTURY, FL

LOCATION.--Lat 30° 57'53", long 87° 14'10", in NW$^1/_4$ sec. 10, T. 5 N., R. 30 W., Santa Rosa County, Hydrologic Unit 03140305, on downstream side near center of main channel at bridge on State Highway 4, 1.2 mi downstream from Escambia Creek, 1.7 mi east of Century, and 52 mi upstream from mouth.

DRAINAGE AREA.--3,817 mi^2.

PERIOD OF RECORD.--October 1934 to current year.

REVISED RECORDS.-- WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 28.34 ft above National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Jan. 13, 1940, nonrecording gage at site 400 ft upstream at same datum. Jan. 13, 1940 to Oct. 21, 1993, water-stage recorder at site 400 ft upstream at same datum.

REMARKS.--Records fair. Some gage-height fluctuation during periods of low flow are attributed to regulation by power plants at Point-A Dam, 85.4 mi and Gnatt Dam, 90.1 mi upstream from the gaging station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1850, 37.8 ft, March 1929, present datum, discharge not determined, from information by U.S. Army Corps of Engineers, Mobile District.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,350	2,430	6,510	6,020	7,780	22,200	3,530	15,000	3,630	9,170	2,000	3,000
2	2,940	2,400	6,210	5,190	6,880	19,000	3,380	12,300	10,300	7,590	2,220	2,920
3	2,840	2,230	5,690	4,900	6,550	16,200	3,090	8,370	13,700	9,360	2,260	2,980
4	2,680	2,240	5,330	4,560	5,830	14,300	3,120	7,090	11,400	9,920	1,970	2,750
5	2,630	2,120	5,680	4,530	5,050	11,800	2,960	5,750	7,830	7,700	1,730	3,120
6	2,540	2,180	5,080	4,110	5,010	9,620	2,890	4,760	5,890	5,960	1,620	3,310
7	2,620	2,090	4,480	3,990	7,670	8,280	2,840	4,570	5,600	4,820	1,690	2,800
8	2,410	2,290	4,400	3,760	9,110	7,600	2,810	3,850	5,680	5,190	1,500	2,570
9	2,540	2,120	3,820	3,640	8,800	6,710	2,810	3,240	4,410	7,250	1,400	2,390
10	2,620	2,160	5,120	4,210	8,020	6,280	2,880	2,610	3,530	8,350	1,520	2,420
11	2,860	2,060	7,200	4,170	7,550	5,930	2,760	2,630	3,150	7,360	2,190	2,340
12	3,360	2,200	6,880	3,920	9,580	5,600	2,770	2,290	3,060	5,270	3,360	2,420
13	3,300	1,900	6,700	3,700	14,700	5,250	2,920	2,210	2,770	4,140	4,630	2,240
14	3,150	2,040	7,650	3,750	18,200	4,920	2,940	3,350	2,910	3,580	4,770	2,170
15	3,040	1,850	9,420	3,680	20,000	5,080	2,980	5,600	4,960	3,760	4,270	2,140
16	2,700	1,950	9,450	3,480	19,400	4,960	2,820	5,560	6,780	3,580	3,280	9,470
17	2,770	1,950	8,270	3,530	16,900	5,530	2,970	4,930	6,730	4,200	2,640	32,100
18	2,560	2,010	7,320	6,370	14,000	5,360	2,610	5,230	6,670	5,220	2,130	40,000
19	2,570	2,620	6,290	7,590	11,900	4,910	2,590	5,730	5,860	5,270	1,830	38,500
20	2,310	3,440	5,200	7,150	10,500	4,800	2,310	5,050	5,340	4,690	1,910	33,800
21	2,290	3,160	5,180	6,470	9,200	4,490	2,380	4,110	4,560	3,890	2,440	30,700
22	2,250	2,960	4,840	5,790	8,070	4,370	2,110	3,780	4,130	3,480	2,750	28,600
23	2,210	3,160	4,290	5,450	7,110	4,070	2,180	4,250	3,980	2,900	2,900	27,700
24	2,100	4,670	4,090	4,960	11,300	3,840	2,040	3,510	e4,090	2,490	3,290	25,900
25	2,180	6,050	4,430	4,450	18,200	3,750	1,920	2,910	7,600	2,240	3,140	20,500
26	2,210	5,690	4,620	5,310	27,600	3,530	2,000	2,560	9,140	2,270	2,690	11,700
27	2,830	4,470	4,530	8,430	29,900	3,740	2,390	2,460	9,300	2,600	2,510	6,930
28	3,120	5,220	4,270	10,700	28,200	3,470	2,640	2,010	9,620	2,710	2,510	5,140
29	2,840	7,700	4,310	11,300	25,100	3,340	2,500	1,910	10,500	2,250	2,730	4,580
30	2,660	7,430	5,860	10,300	---	3,580	8,090	1,980	10,300	2,480	2,540	4,230
31	2,540	---	6,250	9,090	---	3,260	---	1,780	---	2,180	2,190	---
MEAN	2,678	3,160	5,786	5,629	13,040	6,960	2,874	4,561	6,447	4,899	2,536	11,980
MAX	3,360	7,700	9,450	11,300	29,900	22,200	8,090	15,000	13,700	9,920	4,770	40,000
MIN	2,100	1,850	3,820	3,480	5,010	3,260	1,920	1,780	2,770	2,180	1,400	2,140
IN.	0.81	0.92	1.75	1.70	3.69	2.10	0.84	1.38	1.89	1.48	0.77	3.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

MEAN	2,992	3,242	5,564	8,332	10,040	12,770	10,790	5,738	4,474	4,162	3,993	3,283
MAX	24,310	14,740	24,600	31,530	21,160	34,210	31,430	19,520	22,500	20,850	23,560	12,010
(WY)	(1999)	(1949)	(1954)	(1936)	(1965)	(2001)	(1980)	(1978)	(1970)	(1994)	(1975)	(1975)
MIN	558	1,033	1,157	1,895	2,596	1,783	2,068	890	828	687	775	693
(WY)	(2001)	(1955)	(1955)	(1956)	(1989)	(1955)	(2000)	(2000)	(2000)	(2000)	(2000)	(1968)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL MEAN	8,208		5,837		6,263	
HIGHEST ANNUAL MEAN					11,690	1975
LOWEST ANNUAL MEAN					1,820	2000
HIGHEST DAILY MEAN	33,800	Jul 3	40,000	Sep 18	106,000	Sep 30, 1998
LOWEST DAILY MEAN	1,850	Nov 15	1,400	Aug 9	455	Nov 1, 2000
ANNUAL SEVEN-DAY MINIMUM	1,990	Nov 12	1,630	Aug 4	457	Oct 29, 2000
MAXIMUM PEAK FLOW			41,500	Sep 18	117,000	Sep 30, 1998
MAXIMUM PEAK STAGE			18.85	Sep 18	24.35	Mar 18, 1990
INSTANTANEOUS LOW FLOW			1,380	Aug 9	452	Oct 31, 2000
ANNUAL RUNOFF (INCHES)	29.20		20.82		22.29	
10 PERCENT EXCEEDS	17,400		10,400		14,200	
50 PERCENT EXCEEDS	6,080		4,090		3,690	
90 PERCENT EXCEEDS	2,670		2,180		1,350	

e Estimated

02376033 ESCAMBIA RIVER NEAR MOLINO, FL

LOCATION.--Lat 30° 40'12", long 87° 16'00", in SE$^1/_4$ sec. 20, T. 2 N., R. 20 W., Escambia County, Hydrologic Unit 03140305, near right bank on downstream side of bridge on State Highway 184, 4.1 mi northeast of Cottage Hill, and 5.5 mi southeast of Molino.

DRAINAGE AREA.--4,147 mi^2.

PERIOD OF RECORD.--April 1960 to September 1981 (gage heights and discharge measurements only). October 1983 to September 1987 (Daily discharges not computed for days with instantaneous gage heights below 1.5 ft), October 1987 to September 1994, October 1996 to current year.

GAGE.--Water-stage and water-current meter recorders. Elevation of gage is National Geodetic Vertical Datum of 1929. Since May 17, 2000, water-current meter.

REMARKS.--Records fair, except for estimated daily discharges which are poor. Flow generally affected by tide when discharge is less than 5,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,950	3,340	7,310	6,380	12,600	24,500	3,700	4,810	2,630	11,700	2,720	2,790
2	4,560	3,250	7,760	6,860	11,400	23,000	3,760	7,890	3,880	12,800	2,500	3,050
3	4,120	3,080	7,630	6,860	9,600	21,400	3,770	13,100	5,940	12,500	2,510	3,350
4	3,780	2,920	7,730	6,490	8,060	19,800	3,640	14,300	8,770	10,600	2,610	3,370
5	3,650	3,060	7,290	6,110	7,500	18,100	3,520	11,300	12,600	10,200	2,480	3,270
6	3,480	2,840	6,630	5,390	7,380	16,600	3,430	8,380	13,400	10,600	2,160	3,220
7	3,250	2,770	6,330	4,930	6,900	14,600	3,330	6,800	10,700	9,530	1,970	3,360
8	3,290	2,690	6,080	4,780	6,640	12,000	3,220	5,720	7,760	7,640	2,050	3,350
9	3,230	2,780	5,940	4,890	7,610	9,880	3,250	4,770	6,610	6,330	1,910	3,100
10	3,280	2,770	6,550	4,320	9,290	8,300	3,240	4,260	6,140	6,040	1,880	2,840
11	3,520	2,710	6,010	4,320	10,100	7,410	3,220	3,590	5,380	6,860	2,110	2,730
12	3,770	2,720	6,330	4,640	10,400	6,910	3,170	3,190	4,530	7,670	3,240	2,680
13	4,000	2,770	7,380	4,790	10,500	6,550	3,260	3,000	4,090	7,610	4,220	2,700
14	4,210	2,490	7,960	4,700	12,300	6,240	3,340	2,820	4,720	6,500	4,480	2,680
15	4,190	2,530	7,990	4,570	15,400	5,940	3,410	3,230	5,540	5,200	4,710	2,200
16	4,020	2,480	8,640	4,430	18,100	5,930	3,440	4,280	6,110	4,120	4,710	e977
17	3,760	2,460	9,860	4,690	19,400	5,910	3,390	5,310	6,650	4,110	4,300	e9,480
18	3,500	2,560	10,600	5,590	19,300	5,860	3,350	5,640	7,120	4,150	3,620	e17,400
19	3,370	2,960	10,100	6,350	18,100	5,980	3,190	5,550	7,250	4,520	2,870	27,100
20	3,310	3,210	8,690	7,310	16,400	5,860	3,040	5,680	7,240	4,940	2,420	37,300
21	3,150	3,710	7,510	7,940	14,700	5,510	2,830	5,850	7,050	4,950	2,550	38,700
22	3,000	4,050	6,690	7,960	12,900	5,050	2,790	5,600	6,570	4,630	2,860	35,700
23	2,910	3,760	6,400	7,500	11,400	4,490	2,650	4,610	5,960	4,180	3,140	32,700
24	2,830	4,150	6,140	6,950	10,600	4,360	2,580	4,600	5,320	3,690	3,440	30,500
25	2,750	5,010	5,610	6,660	10,400	4,170	2,510	4,460	5,220	3,110	3,620	28,800
26	2,780	5,780	5,220	6,670	13,700	4,070	2,480	3,880	5,640	2,760	3,780	27,500
27	3,080	6,640	5,270	6,400	19,200	3,960	2,670	3,330	6,960	2,670	3,530	25,400
28	3,570	6,900	5,490	6,660	23,700	3,920	2,830	3,020	8,860	2,790	3,110	22,000
29	3,920	6,200	5,710	8,230	25,300	3,840	3,000	2,640	10,600	2,980	3,000	17,000
30	3,890	6,340	5,470	10,900	---	3,700	3,740	2,420	11,300	2,790	3,060	11,800
31	3,540	---	5,690	12,500	---	3,740	---	2,430	---	2,830	3,010	---
MEAN	3,570	3,631	7,033	6,347	13,060	8,954	3,192	5,370	7,018	6,161	3,051	13,570
MAX	4,950	6,900	10,600	12,500	25,300	24,500	3,770	14,300	13,400	12,800	4,710	38,700
MIN	2,750	2,460	5,220	4,320	6,640	3,700	2,480	2,420	2,630	2,670	1,880	977
IN.	0.99	0.98	1.96	1.77	3.40	2.49	0.86	1.49	1.89	1.71	0.85	3.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	4,700	4,573	6,082	9,271	10,070	15,270	7,925	5,217	6,072	7,070	4,098	4,535
MAX	32,570	11,890	18,920	24,210	19,080	37,410	13,870	14,530	19,160	22,110	13,090	13,570
(WY)	(1999)	(2003)	(1993)	(1998)	(1992)	(1990)	(1989)	(1991)	(1989)	(1994)	(2003)	(2004)
MIN	803	1,867	2,212	3,126	2,650	4,462	2,785	1,444	1,357	1,168	1,266	1,335
(WY)	(2001)	(2002)	(1991)	(1989)	(1989)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL MEAN	10,400		6,711		7,062	
HIGHEST ANNUAL MEAN					11,440	2003
LOWEST ANNUAL MEAN					2,433	2000
HIGHEST DAILY MEAN	34,200	Jul 5	38,700	Sep 21	111,000	Mar 22, 1990
LOWEST DAILY MEAN	2,460	Nov 17	977	Sep 16	581	Nov 6, 2000
ANNUAL SEVEN-DAY MINIMUM	2,570	Nov 12	2,080	Aug 5	653	Oct 24, 2000
MAXIMUM PEAK FLOW			39,400	Sep 20	113,000	Mar 23, 1990
MAXIMUM PEAK STAGE			9.89	Sep 20	15.72	Mar 23, 1990
ANNUAL RUNOFF (INCHES)	34.05		22.03		23.14	
10 PERCENT EXCEEDS	19,700		12,600		16,500	
50 PERCENT EXCEEDS	7,990		4,780		4,220	
90 PERCENT EXCEEDS	3,530		2,730		1,820	

e Estimated

02376100 BAYOU MARCUS CREEK NEAR PENSACOLA, FL

LOCATION.--Lat 30° 26'53", long 87° 17'26", in $SE^1/_4$ sec.13, T.2 S., R.30 W., Escambia County, Hydrologic Unit 03140107, near mid channel on downstream side of eastbound bridge on U.S. Highway 90, 0.3 mi upstream from Turner's Creek, 4.5 mi upstream, and 5.3 mi northwest of City Hall in Pensacola.

DRAINAGE AREA.--10.8 mi^2.

PERIOD OF RECORD.--February 1958 to March 1960, October 1987 to September 1991, October 1998 to current year.

REVISED RECORDS.--WDR FL-88-4: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 11.21 ft above National Geodetic Vertical Datum of 1929. Feb. 12, 1958 to Mar. 17, 1960, water-stage recorder 100 ft upstream at present datum.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e18	17	17	16	14	20	13	22	26	26	16	25
2	e17	17	17	16	14	20	13	29	20	22	16	35
3	e18	17	19	16	14	19	13	19	22	21	15	19
4	e18	18	29	16	14	19	13	16	15	20	14	16
5	e18	19	21	17	14	18	13	15	10	18	14	15
6	e17	18	18	16	69	20	13	13	18	17	14	14
7	e17	18	17	14	34	19	25	12	14	17	13	13
8	e18	17	16	15	20	17	29	13	10	16	13	13
9	e19	16	18	18	17	17	18	11	8.7	15	16	13
10	e22	16	27	16	20	16	15	11	8.3	15	28	12
11	e40	16	20	15	27	16	16	11	8.3	20	25	13
12	e29	16	19	15	77	17	17	11	11	16	89	13
13	e23	16	37	14	34	17	15	11	13	28	55	18
14	e21	15	35	14	65	16	14	11	84	62	22	20
15	e19	15	22	14	29	17	14	11	74	29	18	41
16	e20	15	20	15	22	27	14	11	30	22	16	931
17	e21	16	18	20	19	20	13	11	20	39	15	191
18	e19	20	17	28	18	17	13	10	15	74	14	63
19	e19	23	16	20	17	17	13	10	13	33	14	39
20	e17	18	16	16	17	17	13	10	18	22	19	33
21	e16	16	16	15	17	16	12	10	23	19	47	29
22	e16	16	17	15	16	15	12	10	27	17	21	28
23	16	16	20	15	37	15	13	9.1	32	17	17	28
24	16	37	21	15	59	16	12	8.8	24	16	17	27
25	16	21	17	15	65	16	13	8.8	38	15	15	26
26	63	18	16	18	44	15	19	9.0	26	16	14	25
27	30	19	16	18	28	15	16	8.9	17	21	14	24
28	23	32	16	15	23	15	13	8.5	18	22	14	23
29	20	21	19	15	21	15	13	8.8	49	18	14	22
30	18	18	22	15	---	15	25	8.2	35	19	33	21
31	18	---	18	14	---	14	---	10	---	19	26	---
MEAN	21.4	18.6	19.9	16.2	29.8	17.2	15.2	11.9	24.2	23.6	21.9	59.7
MAX	63	37	37	28	77	27	29	29	84	74	89	931
MIN	16	15	16	14	14	14	12	8.2	8.3	15	13	12
IN.	2.28	1.92	2.13	1.73	2.98	1.84	1.57	1.27	2.51	2.52	2.34	6.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2004, BY WATER YEAR (WY)

MEAN	27.9	25.9	24.5	25.7	26.2	29.3	24.1	22.8	25.9	30.2	27.7	32.4
MAX	49.9	48.6	39.5	40.8	51.5	46.3	49.2	43.6	46.9	55.4	50.1	61.8
(WY)	(1959)	(1959)	(1959)	(1959)	(1988)	(1958)	(1959)	(1991)	(1989)	(1958)	(1988)	(1988)
MIN	9.08	9.84	11.9	12.4	11.1	12.2	10.1	6.09	4.67	7.95	9.78	12.8
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2000)	(2000)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1958 - 2004	
ANNUAL MEAN	24.6		23.2		25.4	
HIGHEST ANNUAL MEAN					41.8	1959
LOWEST ANNUAL MEAN					11.6	2002
HIGHEST DAILY MEAN	240	Jul 1	931	Sep 16	931	Sep 16, 2004
LOWEST DAILY MEAN	9.1	Jun 1	8.2	May 30	3.0	Jun 13, 2002
ANNUAL SEVEN-DAY MINIMUM	10	May 30	8.7	May 24	3.6	Jun 11, 2002
MAXIMUM PEAK FLOW			1,500	Sep 16	1,500	Sep 16, 2004
MAXIMUM PEAK STAGE			6.82	Sep 16	6.82	Sep 16, 2004
INSTANTANEOUS LOW FLOW			7.5	May 31	2.3	Jun 13, 2002
ANNUAL RUNOFF (INCHES)	30.95		29.22		31.98	
10 PERCENT EXCEEDS	44		31		42	
50 PERCENT EXCEEDS	19		17		22	
90 PERCENT EXCEEDS	13		13		9.1	

e Estimated

02376115 ELEVENMILE CREEK NEAR PENSACOLA, FL

LOCATION.--Lat 30° 29'53", long 87° 20'09", in SE$^1/_4$ sec. 22, T. 1 S., R. 31 W., Escambia County, Hydrologic Unit 03140107, near left bank on downstream side of bridge on U.S. Highway 90, 1.8 mi upstream from Eightmile Creek, 4.0 mi upstream from mouth, and 5.6 mi northwest of Pensacola High School in West Pensacola.

DRAINAGE AREA.--27.8 mi^2.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--2003 and 2004 Water Years: No estimated daily discharges. Records good. Discharges are increased by about 30 ft^3/s from a paper mill located about 10 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	63	66	338	71	99	66	54	51	1,830	269	99
2	93	51	70	142	70	86	67	66	57	484	207	97
3	92	57	67	111	72	92	69	64	61	425	164	94
4	154	65	71	95	75	106	67	64	57	395	150	93
5	126	133	84	87	76	93	69	59	52	458	145	93
6	99	148	76	82	72	94	69	58	360	248	165	96
7	89	87	67	74	71	108	69	57	390	167	262	95
8	78	73	66	76	67	94	101	60	152	141	149	93
9	72	73	69	86	68	181	115	59	117	126	120	89
10	67	69	102	76	74	128	85	55	95	114	110	86
11	327	289	133	71	70	82	72	51	84	108	107	88
12	137	704	94	77	66	78	69	56	92	118	258	87
13	102	191	107	74	68	207	66	52	98	259	293	88
14	155	122	76	70	65	201	62	50	141	143	241	96
15	498	125	70	70	68	108	64	65	99	130	143	93
16	274	174	69	75	208	96	68	57	87	122	171	85
17	121	107	65	80	115	159	60	58	87	111	225	85
18	92	102	66	74	79	122	60	86	140	109	139	84
19	83	90	69	74	72	98	64	193	127	114	129	84
20	73	92	102	72	71	87	63	79	159	161	113	84
21	74	87	83	72	86	78	65	77	191	331	111	85
22	66	93	77	75	170	77	68	73	234	268	112	136
23	69	74	75	72	97	74	65	65	156	403	111	132
24	66	76	552	64	78	73	61	60	125	227	108	83
25	67	71	263	78	72	72	65	59	101	144	101	79
26	78	67	124	66	95	71	60	57	91	145	99	76
27	78	72	94	71	384	73	72	55	87	204	98	76
28	77	71	88	64	127	74	58	53	88	143	96	72
29	99	71	94	64	---	70	61	49	130	477	99	67
30	115	74	81	73	---	71	55	57	905	766	108	67
31	70	---	410	77	---	66	---	50	---	357	101	---
MEAN	119	119	114	86.5	96.7	101	68.5	64.5	154	298	152	89.4
MAX	498	704	552	338	384	207	115	193	905	1,830	293	136
MIN	66	51	65	64	65	66	55	49	51	108	96	67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	86.8	98.4	88.7	110	101	135	89.7	75.8	104	120	97.7	116
MAX	223	311	199	239	153	332	246	168	323	298	183	457
(WY)	(1996)	(1996)	(1996)	(1998)	(1997)	(1998)	(1996)	(1991)	(1989)	(2003)	(1995)	(1998)
MIN	52.5	47.4	53.6	64.2	56.4	61.8	56.8	46.5	48.9	50.4	58.8	53.1
(WY)	(1991)	(1991)	(1991)	(2002)	(2000)	(2002)	(2001)	(2002)	(2002)	(2000)	(1990)	(1990)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL MEAN	82.6		122		102	
HIGHEST ANNUAL MEAN					160	1998
LOWEST ANNUAL MEAN					66.4	2000
HIGHEST DAILY MEAN	2,030	Sep 26	1,830	Jul 1	8,000	Sep 28, 1998
LOWEST DAILY MEAN	40	May 9	49	May 29	33	Aug 24, 1989
ANNUAL SEVEN-DAY MINIMUM	44	May 5	53	May 26	42	Nov 2, 1990
MAXIMUM PEAK FLOW			2,250	Jul 1	12,800	Sep 28, 1998
MAXIMUM PEAK STAGE			11.11	Jul 1	16.94	Sep 28, 1998
INSTANTANEOUS LOW FLOW			39	Apr 30	29	Aug 25, 1989
10 PERCENT EXCEEDS	106		207		142	
50 PERCENT EXCEEDS	59		86		72	
90 PERCENT EXCEEDS	48		63		54	

02376115 ELEVENMILE CREEK NEAR PENSACOLA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	73	84	74	70	99	70	91	88	91	68	79
2	70	66	86	74	67	91	65	96	95	86	66	78
3	69	66	117	73	66	89	67	74	76	91	67	75
4	72	70	401	72	64	88	68	64	70	110	65	73
5	72	67	160	73	65	87	66	60	59	101	65	72
6	71	68	111	65	167	96	66	58	56	81	64	68
7	72	66	103	61	127	96	71	57	58	81	63	67
8	68	65	96	67	80	89	81	56	57	77	62	68
9	70	69	151	74	75	86	76	56	57	76	78	67
10	79	73	574	70	80	85	69	55	60	77	247	69
11	107	73	152	66	108	79	70	54	55	76	216	66
12	97	76	106	65	443	85	70	52	61	70	459	67
13	83	82	113	67	231	84	66	53	66	85	148	89
14	82	72	138	66	305	83	63	49	147	125	93	79
15	78	78	93	67	176	83	63	56	290	92	83	106
16	78	81	87	65	124	118	62	55	115	75	78	3,750
17	77	79	82	74	112	102	64	54	77	95	72	855
18	75	80	77	158	102	84	65	55	66	294	71	251
19	74	94	76	87	96	85	63	54	63	115	70	138
20	74	85	75	73	95	85	62	52	96	84	69	112
21	73	83	73	73	91	81	63	52	233	76	77	125
22	73	81	73	69	87	75	61	54	254	70	78	138
23	74	81	76	66	138	76	61	53	332	70	75	139
24	73	93	81	66	372	75	60	53	140	73	74	129
25	73	82	79	66	321	74	59	52	149	67	71	121
26	81	82	73	184	274	76	66	53	136	66	83	119
27	80	87	71	153	138	74	64	51	95	72	85	114
28	73	145	73	86	121	74	60	52	190	71	75	104
29	77	95	76	73	107	71	62	52	303	69	72	103
30	71	86	87	71	---	72	94	51	123	69	78	97
31	64	---	80	73	---	71	---	52	---	70	80	---
MEAN	75.7	79.9	120	79.7	148	84.3	66.6	57.3	122	88.9	98.5	247
MAX	107	145	574	184	443	118	94	96	332	294	459	3,750
MIN	64	65	71	61	64	71	59	49	55	66	62	66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	86.1	97.3	90.6	108	104	132	88.3	74.7	105	118	97.8	124
MAX	223	311	199	239	153	332	246	168	323	298	183	457
(WY)	(1996)	(1996)	(1996)	(1998)	(1997)	(1998)	(1996)	(1991)	(1989)	(2003)	(1995)	(1998)
MIN	52.5	47.4	53.6	64.2	56.4	61.8	56.8	46.5	48.9	50.4	58.8	53.1
(WY)	(1991)	(1991)	(1991)	(2002)	(2000)	(2002)	(2001)	(2002)	(2002)	(2000)	(1990)	(1990)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL MEAN	116		105		102	
HIGHEST ANNUAL MEAN					160	1998
LOWEST ANNUAL MEAN					66.4	2000
HIGHEST DAILY MEAN	1,830	Jul 1	3,750	Sep 16	8,000	Sep 28, 1998
LOWEST DAILY MEAN	49	May 29	49	May 14	33	Aug 24, 1989
ANNUAL SEVEN-DAY MINIMUM	53	May 26	52	May 25	42	Nov 2, 1990
MAXIMUM PEAK FLOW			6,180	Sep 16	12,800	Sep 28, 1998
MAXIMUM PEAK STAGE			14.49	Sep 16	16.94	Sep 28, 1998
INSTANTANEOUS LOW FLOW			44	May 29	29	Aug 25, 1989
10 PERCENT EXCEEDS	175		138		142	
50 PERCENT EXCEEDS	82		75		72	
90 PERCENT EXCEEDS	64		60		54	

02376293 BRUSHY CREEK NEAR BRATT, FL

LOCATION.--Lat 30° 58'42", long 87° 31'41", in $SE^1/_4$ sec. 3, T. 5 N., R. 5 E., Escambia County, Hydrologic Unit 03140106, at bridge on Nokomis Road, 0.8 mi downstream from Rocky Creek, 1.4 mi below Alabama-Florida State Line, 2.1 mi upstream from Reedy Creek, and 6.0 mi west of Bratt.

DRAINAGE AREA.--26.5 mi^2.

PERIOD OF RECORD.--October 1998 to September 2002, October 2002 to September 2003 (fragmentary), October 2003 September 2004.

REVISED RECORDS.--WDR FL-03-4: 2002.

GAGE.--Water-stage recorder. Elevation of gage is National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge measured, 3,070 ft^3/s, Sept. 29, 1998, gage height, 184.11 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	29	31	34	34	50	30	79	195	34	25	48
2	29	29	31	32	33	46	30	49	270	86	25	30
3	29	28	31	32	32	43	30	38	226	264	24	27
4	29	28	43	31	31	41	29	31	50	52	24	26
5	29	29	33	31	31	41	29	28	33	35	24	24
6	29	29	31	30	118	42	29	27	29	31	23	23
7	30	28	30	29	79	39	29	26	29	29	23	23
8	30	28	30	29	39	37	31	25	26	30	23	23
9	30	28	33	33	34	36	29	25	27	31	23	23
10	32	28	55	32	33	35	28	24	26	31	24	23
11	43	28	35	30	45	35	30	25	25	29	25	23
12	35	27	32	29	381	35	31	25	24	27	73	23
13	32	27	77	29	180	34	30	25	23	26	32	23
14	31	27	112	29	118	34	29	26	37	26	26	23
15	30	27	41	29	165	34	28	25	45	26	25	24
16	29	27	35	29	69	48	28	25	70	28	24	3,370
17	29	27	32	72	47	37	28	e25	33	30	24	687
18	29	34	31	285	41	34	27	e33	47	32	24	213
19	29	43	30	59	38	33	27	e35	30	27	23	88
20	28	30	30	39	36	33	27	32	26	26	24	53
21	28	28	30	34	35	32	27	27	24	25	31	42
22	28	27	29	32	35	31	27	26	28	25	28	38
23	28	27	36	31	114	31	27	24	47	25	30	37
24	28	38	46	31	315	31	26	23	33	24	28	36
25	28	30	32	33	540	32	26	23	138	24	26	e35
26	42	28	30	193	522	31	34	23	208	33	28	e34
27	36	35	29	110	180	31	30	22	60	34	25	e33
28	31	154	29	44	80	31	27	22	52	27	25	e32
29	30	41	48	36	58	31	39	21	42	29	52	30
30	29	33	118	42	---	31	390	22	37	33	31	30
31	29	---	42	38	---	30	---	24	---	27	36	---
MEAN	30.6	34.1	41.0	50.5	119	35.8	41.1	28.5	64.7	38.9	28.3	171
MAX	43	154	118	285	540	50	390	79	270	264	73	3,370
MIN	28	27	29	29	31	30	26	21	23	24	23	23
IN.	1.33	1.43	1.79	2.20	4.86	1.56	1.73	1.24	2.72	1.69	1.23	7.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	38.9	33.9	36.3	37.1	45.5	54.5	36.3	21.2	43.4	33.6	25.4	55.1
MAX	74.6	59.7	61.6	60.1	119	94.9	71.9	28.6	82.6	64.1	39.4	171
(WY)	(1999)	(1999)	(2003)	(1999)	(2004)	(2001)	(2003)	(1999)	(1999)	(1999)	(2001)	(2004)
MIN	12.0	19.5	21.5	23.4	19.6	20.3	20.9	13.8	15.5	15.2	13.1	14.2
(WY)	(2001)	(2002)	(2002)	(2002)	(2001)	(2000)	(2002)	(2001)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS	FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL MEAN	56.5		36.9	
HIGHEST ANNUAL MEAN			56.5	2004
LOWEST ANNUAL MEAN			20.8	2000
HIGHEST DAILY MEAN	3,370	Sep 16	3,370	Sep 16, 2004
LOWEST DAILY MEAN	21	May 29	10	Jun 4, 2001
ANNUAL SEVEN-DAY MINIMUM	22	May 24	12	May 20, 2001
MAXIMUM PEAK FLOW	6,380	Sep 16	6,380	Sep 16, 2004
MAXIMUM PEAK STAGE	185.64	Sep 16	185.64	Sep 16, 2004
INSTANTANEOUS LOW FLOW	21	May 28	10	May 27, 2001
ANNUAL RUNOFF (INCHES)	29.01		18.91	
10 PERCENT EXCEEDS	63		49	
50 PERCENT EXCEEDS	30		24	
90 PERCENT EXCEEDS	24		15	

e Estimated

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL

LOCATION.--Lat 30° 41'25", long 87° 26'25", in NW$^1/_4$ sec. 23, T. 4 S., R. 6 E., Baldwin County, Ala., Hydrologic Unit 03140106, on right bank 25 ft downstream from bridge on county road, 1,000 ft downstream from Alligator Creek, 0.5 mi southwest of Barrineau Park, and 27 mi upstream from mouth.

DRAINAGE AREA.--394 mi^2.

PERIOD OF RECORD.--June 1941 to current year.

REVISED RECORDS.--WSP 1384: Drainage area. WRD FL-76-4: 1973-75 (M).

GAGE.--Water-stage recorder. Datum of gage is 25.77 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 22, 1949, nonrecording gage at same site and datum.

REMARKS.--2003 Water Year: Records good, except for estimated daily discharges which are fair.
2004 Water Year: Records fair, except for estimated daily discharges which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 15, 1929, reached a stage of 25.7 ft, present datum, from information by local resident, discharge, 41,000 ft^3/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,580	1,060	381	2,540	348	3,060	462	e340	e580	e7,400	e1,300	e760
2	1,080	765	376	2,640	340	2,600	450	e330	e530	e10,400	e3,000	e700
3	782	613	369	2,500	331	1,310	439	542	e500	e8,600	e5,400	e660
4	1,160	531	365	1,530	330	994	434	1,060	e510	e4,300	e3,500	e620
5	1,360	537	416	912	325	881	471	e1,050	e500	e2,900	e2,000	e600
6	1,240	1,030	525	711	321	789	494	e980	e1,100	e2,100	e1,200	e580
7	1,040	950	521	597	343	920	476	e870	e3,000	e1,900	e1,000	e560
8	765	782	489	531	346	1,400	614	e790	e8,600	e1,860	e800	e540
9	614	668	459	492	337	2,280	1,530	e700	e8,900	e1,700	e720	e530
10	549	577	473	466	338	2,720	2,510	e620	e3,800	e1,500	e620	e520
11	645	676	630	442	340	2,110	2,720	e540	e1,900	e1,100	e610	e500
12	743	1,530	664	424	333	1,620	1,430	e470	e1,200	e980	e1,200	e480
13	655	1,700	795	408	321	1,570	897	e420	e1,100	e930	e1,900	e460
14	589	1,570	854	394	312	1,770	701	379	e1,400	e850	e2,600	e800
15	1,040	1,170	808	384	308	1,940	588	365	e1,500	e840	e1,600	e1,500
16	1,210	883	717	377	377	1,840	528	371	e1,600	e890	e1,100	e1,650
17	901	755	611	371	439	1,830	491	396	e2,100	e1,400	e900	1,090
18	700	653	521	363	468	1,790	468	520	e2,900	e1,900	e800	784
19	577	582	466	356	489	1,490	445	5,710	e2,700	e1,300	e760	626
20	499	539	540	351	477	1,180	427	e13,800	e2,600	e1,000	e900	563
21	454	526	674	349	486	963	424	e6,600	e1,900	e900	e1,100	e540
22	446	518	673	348	1,380	792	435	e4,800	e2,200	e1,200	e1,450	824
23	427	496	620	345	1,350	679	414	e4,800	e1,600	e1,700	e1,000	1,790
24	402	472	1,040	340	1,180	609	396	e3,200	e1,300	e3,600	e800	1,300
25	387	449	1,610	335	998	564	476	e1,700	e1,100	e5,800	e640	989
26	536	432	2,210	334	795	534	677	e1,050	e900	e3,600	e800	778
27	1,070	419	2,210	332	2,020	514	630	e1,300	e750	e2,000	e1,100	675
28	1,350	404	1,230	329	2,590	495	548	e1,750	e690	e1,200	e900	616
29	2,110	391	796	327	---	479	e450	e1,200	e760	e1,160	e800	574
30	2,850	382	639	332	---	480	e380	e1,000	e1,500	e1,200	e1,100	540
31	1,890	---	1,070	347	---	473	---	e680	---	e1,350	e840	---
MEAN	956	735	766	662	644	1,312	714	1,882	1,991	2,502	1,369	772
MAX	2,850	1,700	2,210	2,640	2,590	3,060	2,720	13,800	8,900	10,400	5,400	1,790
MIN	387	382	365	327	308	473	380	330	500	840	610	460
IN.	2.80	2.08	2.24	1.94	1.70	3.84	2.02	5.51	5.64	7.32	4.01	2.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

MEAN	517	611	710	936	954	1,123	994	717	681	720	710	745
MAX	2,519	1,865	2,084	2,636	2,364	2,791	3,179	2,402	2,394	2,502	2,938	3,460
(WY)	(1996)	(1990)	(1954)	(1998)	(1990)	(1990)	(1983)	(1991)	(1989)	(2003)	(1975)	(1998)
MIN	189	246	302	339	343	269	283	217	230	210	217	213
(WY)	(2001)	(1956)	(1955)	(1957)	(1957)	(1955)	(1968)	(2002)	(2002)	(2000)	(2000)	(1968)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL MEAN	555		1,198		784	
HIGHEST ANNUAL MEAN					1,372	1998
LOWEST ANNUAL MEAN					339	2000
HIGHEST DAILY MEAN	9,800	Sep 27	13,800	May 20	40,800	Sep 29, 1998
LOWEST DAILY MEAN	181	May 28	308	Feb 15	171	Aug 27, 2000
ANNUAL SEVEN-DAY MINIMUM	191	May 22	327	Feb 9	175	Oct 28, 2000
MAXIMUM PEAK FLOW			16,700	May 20	44,000	Sep 29, 1998
MAXIMUM PEAK STAGE			19.16	May 20	26.30	Sep 29, 1998
INSTANTANEOUS LOW FLOW			306	Feb 15	171	Aug 27, 2000
ANNUAL RUNOFF (INCHES)	19.13		41.29		27.03	
10 PERCENT EXCEEDS	866		2,240		1,430	
50 PERCENT EXCEEDS	394		760		508	
90 PERCENT EXCEEDS	206		374		292	

e Estimated

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	518	484	920	959	753	1,080	308	1,070	532	1,060	530	830
2	501	471	759	858	692	818	303	1,760	1,800	1,160	520	1,030
3	491	460	642	733	637	699	299	2,020	2,300	984	448	849
4	484	452	847	637	596	626	295	1,030	2,460	950	412	621
5	481	455	842	585	565	581	290	627	1,960	691	462	528
6	472	462	737	563	723	562	285	458	1,120	563	398	465
7	474	458	654	538	1,110	559	284	368	814	533	370	424
8	475	454	598	516	946	528	294	318	678	479	355	399
9	476	450	574	524	838	493	292	287	606	471	347	382
10	505	451	747	560	776	462	285	265	620	512	376	368
11	646	450	798	557	773	440	283	253	655	577	438	357
12	790	447	708	535	1,550	425	310	245	664	549	865	352
13	701	442	657	520	2,530	412	320	241	601	461	1,020	353
14	615	432	908	509	2,610	402	307	243	581	412	758	353
15	557	427	1,050	502	2,780	399	291	252	903	e395	566	368
16	520	425	981	493	2,150	466	280	249	1,010	e370	458	6,180
17	498	426	846	575	1,580	554	272	241	1,170	e800	410	9,400
18	488	453	721	2,660	1,210	515	266	248	1,400	e1,800	385	10,500
19	481	597	623	2,360	950	463	261	447	1,360	e1,000	367	8,740
20	469	642	568	1,500	800	427	256	1,240	936	637	357	4,720
21	460	580	537	1,090	711	399	253	1,090	643	509	395	2,210
22	446	521	531	861	653	377	252	605	541	453	424	1,150
23	440	493	544	701	676	360	250	436	528	422	432	878
24	434	719	618	617	1,550	350	247	329	560	400	533	738
25	432	659	684	579	2,140	345	241	281	799	384	539	663
26	541	557	682	769	3,290	340	362	254	1,370	387	602	615
27	1,000	525	634	1,410	4,660	336	417	237	1,760	404	561	579
28	756	957	584	1,370	3,580	331	360	226	1,790	448	549	551
29	603	1,240	559	1,030	2,010	326	324	219	1,520	438	850	528
30	536	1,110	797	845	---	322	634	214	1,160	422	751	509
31	503	---	968	808	---	315	---	211	---	490	645	---
MEAN	542	557	720	863	1,512	475	304	515	1,095	618	520	1,855
MAX	1,000	1,240	1,050	2,660	4,660	1,080	634	2,020	2,460	1,800	1,020	10,500
MIN	432	425	531	493	565	315	241	211	528	370	347	352
IN.	1.59	1.58	2.11	2.53	4.14	1.39	0.86	1.51	3.10	1.81	1.52	5.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	517	610	710	934	963	1,113	983	714	688	718	707	762
MAX	2,519	1,865	2,084	2,636	2,364	2,791	3,179	2,402	2,394	2,502	2,938	3,460
(WY)	(1996)	(1990)	(1954)	(1998)	(1990)	(1990)	(1983)	(1991)	(1989)	(2003)	(1975)	(1998)
MIN	189	246	302	339	343	269	283	217	230	210	217	213
(WY)	(2001)	(1956)	(1955)	(1957)	(1957)	(1955)	(1968)	(2002)	(2002)	(2000)	(2000)	(1968)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL MEAN	1,144		792		784	
HIGHEST ANNUAL MEAN					1,372	1998
LOWEST ANNUAL MEAN					339	2000
HIGHEST DAILY MEAN	13,800	May 20	10,500	Sep 18	40,800	Sep 29, 1998
LOWEST DAILY MEAN	308	Feb 15	211	May 31	171	Aug 27, 2000
ANNUAL SEVEN-DAY MINIMUM	327	Feb 9	235	May 25	175	Oct 28, 2000
MAXIMUM PEAK FLOW			11,100	Sep 18	44,000	Sep 29, 1998
MAXIMUM PEAK STAGE			16.76	Sep 18	26.30	Sep 29, 1998
INSTANTANEOUS LOW FLOW			210	May 31	171	Aug 27, 2000
ANNUAL RUNOFF (INCHES)	39.43		27.38		27.03	
10 PERCENT EXCEEDS	2,150		1,280		1,430	
50 PERCENT EXCEEDS	677		540		508	
90 PERCENT EXCEEDS	378		298		292	

e Estimated

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 and flood-hydrograph partial-record stations are presented in a table of annual maximum stage and discharge. Discharge measurements made at miscellaneous sites for both low flows and high flows are given in a second table.

Crest-stage and flood-hydrograph partial-record stations

The following table contains annual maximum discharges for crest-stage and flood hydrograph stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A flood hydrograph station is a continual-record station that records the river stage of storm events above a base stage. 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 stations

Station No.	Station Name	Location	Drainage area (mi^2)	Period of Record	Annual Maximum		
					DATE	Gage height (feet)	Discharge (ft^3/s)
		OCKLAWAHA RIVER BASIN					
02240934	Unnamed Sink Drain near Flemington, FL	Lat 29°24′15″, long 82°20′30″, in SE¼ sec. 30, T. 12 S., R. 20 E., Marion County, Hydrologic Unit 03080102, at upstream side of culvert at County Road 318, 2.7 mi west of Flemington, and 6.2 mi southeast of Williston.	0.14	1996-04	09-07-04	2.54	a
		ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER					
02245449	South Fork Black Creek Tributary near Penny Farms, FL	Lat 29°58′41″, long 81°52′52″, in NE¼ sec. 15, T. 6 S., R. 24 E., Clay County, Hydrologic Unit 03080103, at upstream side of culvert on State Road 16, 1.0 mi east of junction with State Road 21, and 4.4 mi west of Penny Farms.	0.32	1996-04	09-08-04	1.06	17
022455734	Bull Creek Tributary near Middleburg, FL	Lat 30°00′44″, long 81°55′52″, in SW¼ sec. 32, T. 5 S., R. 24 E., Clay County, Hydrologic Unit 03080103, at upstream side of culvert on County Road 215, 2.9 mi south of junction with State Road 21, 3.5 mi north of junction of County Road 215 with State Road 16, and 5.4 mi southwest of Middleburg.	0.16	1996-04	09-08-04	1.02	10
02245606	Calf Branch Tributary near Middleburg, FL	Lat 30°01′21″, long 81°53′53″, in NE¼ sec. 33, T. 5 S., R. 24 E., Clay County, Hydrologic Unit 03080103, at upstream side of culvert on State Road 21, 0.7 mi south of junction with County Road 215, 3.1 mi southwest of Middleburg, and 3.6 mi north of junction of State Road 21 with State Road 16.	0.21	1996-04	09-08-04	1.55	30

Station No.	Station Name	Location	Drainage area (mi^2)	Period of Record	Annual Maximum		
					DATE	Gage height (feet)	Discharge (ft^3/s)
		WITHLACOOCHEE RIVER BASIN					
02312522	Trailer Park Drain near Brooksville, FL	Lat 28° 30′ 18″, long 82° 22′ 14″, in NW¼ sec. 12, T. 23 S., R. 19 E., Hernando County, HydroIogic Unit 03100208, at upstream side of culvert on County Road 581, and 3.9 mi southeast of Court House at Brooksville.	0.21	1996-04	02-29-04	1.85	a
		SUWANNEE RIVER BASIN ABOVE WITHLACOOCHEE RIVER					
02315534	Rocky Creek Tributary near Wellborn, FL	Lat 30° 18′ 51″, long 82° 49′ 50″, in SE¼ sec. 17, T. 2 S., R. 15 E., Suwannee County, Hydrologic Unit 03110201, at bridge on County Road 136, 5.3 mi northwest of Houston, 5.5 mi west of White Springs, and 6.0 mi northwest of Wellborn.	1.2	1969-75 1996-97 1999-04	09-26-04	6.23	148
023156044	Sugar Creek Tributary near Suwannee Springs, FL	Lat 30° 24′ 29″, long 82° 55′ 13″, in SE¼ sec. 9, T. 1 S., R. 14 E., Hamilton County, Hydrologic Unit 03110201, at upstream side of culvert on State Road 132, and 1.3 mi northeast of Suwannee Springs.	0.06	1996-04	b	<1.08	<1.0
		SANTA FE RIVER BASIN					
02320978	New River Tributary near Raiford, FL	Lat 30° 02′ 49″, long 82° 15′ 58″, in SE¼ sec. 23, T. 5 S., R. 20 E., Union County, HydroIogic Unit 03110206, at upstream side of culvert at County Road 237, 0.2 mi south of State Road 121,1.3 mi southwest of Raiford, and 3.9 mi northeast of the junction of State Roads 121 and 100 at Lake Butler.	0.31	1996-04	09-10-04	1.71	a
02321527	Tributary To Santa Fe River Tributary near Worthington Springs, FL	Lat 29° 56′ 43″, long 82° 28′ 08″, in NW¼ sec. 25, T. 6 S., R. 18 E., Union County, HydroIogic Unit 03110206, at upstream side of culvert at State Road 18, 2.6 mi west of State Road 121, and 2.9 mi northwest of Worthington Springs.	0.27	1996-04	09-10-04	3.02	60
02321793	Providence Branch at Providence, FL	Lat 30° 00′ 29″, long 82° 33′ 36″, in SW¼ sec. 31, T. 5 S., R. 18 E., Union County, Hydrologic Unit 03110206, at upstream side of culvert on County Road 245, 0.3 mi north of the junction with State Road 238, 0.5 mi south of the Olustee River, and 0.8 mi west of Providence.	0.94	1996-04	10-14-04	2.12	49

Station No.	Station Name	Location	Drainage area (mi^2)	Period of Record	Annual Maximum		
					DATE	Gage height (feet)	Discharge (ft^3/s)
		SANTA FE RIVER BASIN--Continued					
02322050	Shiloh Run near Alachua, FL	Lat 29° 49′ 06″, long 82° 28′ 21″, in SW¼ sec. 1, T. 8 S., R. 18 E., Alachua County, HydroIogic Unit 03110206, 6 ft upstream from culvert on County Road 239, 0.7 mi above mouth, and 2.8 mi southeast of Alachua.	0.32	1996-04		<1.00	<20
		ST. MARKS AND WAKULLA RIVERS AND COASTAL AREA					
02326574	Ward Creek Tributary near Monticello, FL	Lat 30° 38′ 21″, long 83° 50'37″, in SE¼ sec. 20, T. 3 N., R. 5 E., Jefferson County, Hydrologic Unit 03120001, at upstream side of culvert on County Road 58, 1.8 mi east of U.S. Highway 19, and 6.2 mi north of Monticello.	0.08	1996-04	09-06-04	1.12	11
02326595	Halls Run near Miccosukee, FL	Lat 30° 37′ 01″, long 84° 02′ 28″, in NW¼ sec. 33, T. 3 N., R. 3 E., Leon County, Hydrologic Unit 03120001, at upstream side of culvert on State Road 59, and 1.5 mi north of Miccosukee.	0.11	1996-04	08-11-04	2.26	22
		OCHLOCKONEE RIVER BASIN					
02329354	Attapulgus Creek Tributary near Jamieson, FL	Lat 30° 39′ 42″, long 84° 28′ 39″, in NW¼ sec. 18, T. 3 N., R. 2 W., Gadsden County, Hydrologic Unit 03120003, at upstream side of culvert on State Road 161, 0.3 mi south of State Road 159, 1.6 mi west of Jamieson, and 4.5 mi north of Havana.	1.03	1996-04		<1.32	<47
02329559	Littman Branch near Quincy, Fl	Lat 30° 35′ 32″, long 84° 31′ 08″, in NE¼ sec. 10, T. 2 N., R. 3 W., Gadsden County, Hydrologic Unit 03120003, at upstream side of culvert on State Road 12, and 3.8 mi east of the city hall in Quincy.	0.20	1996-04	09-16-04	1.81	30
		APALACHICOLA RIVER BASIN					
02356510	South Mosquito Creek Tributary near Hardaway, FL	Lat 30° 39′ 11″, long 84° 43′ 58″, in SW ¼ sec. 15, T. 3 N., R. 5 W., Gadsden County, Hydrologic Unit 03130011, at upstream side of culvert on County Road 379B, 0.9 mi south of railroad crossing at County Road 379B, and 1.4 mi north of Hardaway.	0.20	1996-04	09-16-04	4.49	20
		CHIPOLA RIVER BASIN					
02358946	Mockingbird Run near Cypress, FL	Lat 30° 39′ 41″, long 85° 06′ 48″, in NW¼ sec. 14, T. 3 N., R. 9 W., Jackson County, Hydrologic Unit 03130012, at upstream side of culvert on County Road 264A, 4.3 mi south of Cypress, and 5.5 mi southeast of Oakdale.	0.58	1996-04	09-17-04	4.80	208

Station No.	Station Name	Location	Drainage area (mi^2)	Period of Record	Annual Maximum		
					DATE	Gage height (feet)	Discharge (ft^3/s)
		PEA RIVER BASIN					
02364806	Poplar Branch near Leonia, FL	Lat 30° 57′ 07″, long 85° 58′ 15″, in NE¼ sec. 7, T. 6 N., R. 17 W., Holmes County, Hydrologic Unit 03140202, at upstream side of culvert on County Road 185, 2.3 mi southeast of Royals Crossroads, and 4.0 mi northwest of Leonia.	0.54	1996-04	02-15-04	1.53	47
		CHOCTAWHATCHEE RIVER BELOW PEA RIVER					
02365408	Poplar Springs Branch near Noma, FL	Lat 30° 57′ 52″, long 85° 34′ 16″, in SE¼ sec. 31, T. 7 N., R. 13 W., Holmes County, Hydrologic Unit 03140203, at upstream side of culvert on State Road 2, 3.0 mi east of Noma, and 3.2 mi west of Graceville.	0.08	1996-04	07-18-04	2.20	18
		CHOCTAWHATCHEE RIVER BASIN					
02365715	Camp Branch Tributary near Redbay, FL	Lat 30° 38′ 45″, long 85° 56′ 13″, in SE¼ sec. 21, T. 3 N., R. 17 W., Walton County, Hydrologic Unit 03140203, at upstream side of culvert on State Road 81, 3.8 mi north of Redbay, and 4.6 mi south of U.S. Highway I-10 interchange at State Road 81.	0.90	1995-04	09-16-04	5.60	360
		SHOAL RIVER BASIN					
02368329	Caney Creek Tributary No. 1 near Paxton, FL	Lat 30° 55′ 39″, long 86° 13′ 17″, in SW¼ sec. 14, T. 5 N., R. 20 W., Walton County, Hydrologic Unit 03140103, on upstream side of culvert on County Road 0605, 2.1 mi north of the community of Caney Creek, and 5.7 mi southeast of Paxton.	0.11	1996-04	09-16-04	4.29	86
		BLACKWATER RIVER BASIN					
02370370	Manning Creek Tributary at Berrydale, FL	Lat 30° 53′ 58″, long 87° 01′ 20″, in NW¼ sec. 35, T. 5 N., R. 28 W., Santa Rosa County, Hydrologic Unit 03140104, at upstream side of culvert on State Road 4, 0.5 mi west of Berrydale, and 0.9 mi southeast of State Road 87.	1.24	1996-04	09-16-04	4.83	580
		PERDIDO RIVER BASIN					
02376315	Buckeye Branch Tributary near Walnut Hill, FL	Lat 30° 51′ 15″, long 87° 30′ 54″, in NW¼ sec. 23, T. 4 N., R. 33 W., Escambia County, Hydrologic Unit 03140106, at upstream side of culvert on County Road 97A, and 2.1 mi south of Walnut Hill.	0.34	1995-04	09-16-04	4.54	126

a Discharge not determined
b Discontinued

ELEVATION OF LAKES

02329900 LAKE TALQUIN NEAR BLOXHAM, FL

LOCATION.--Lat 30° 23'15", long 84° 38'45", in SW$^1/_4$ sec. 16, T.1 S., R.4 W., Leon County, Hydrologic Unit 03120003, at left upstream end of C.H. Corn Hydroelectric Dam on Ochlockonee River, 1.0 mi northwest of Bloxham, and 3.5 mi downstream from Oklawaha Creek.

SURFACE AREA.--6,850 acres (10.7 mi^2), at elevation 60.0 ft National Geodetic Vertical Datum of 1929, from data provided by Florida Power Corporation.

DRAINAGE AREA.--1,700 mi^2.

PERIOD OF RECORD.--January 1930 to September 1950 (month-end contents only, published only in WSP 1304); October 1951 to September 1960 (month-end elevations and contents); October 1960 to September 1982, March 1985 to September 1992 (month-end elevations, contents and daily elevations); October 1992 to current year, daily elevations.

REVISED RECORDS.--WSP 1905, WRD FL-76-4: Drainage area.

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

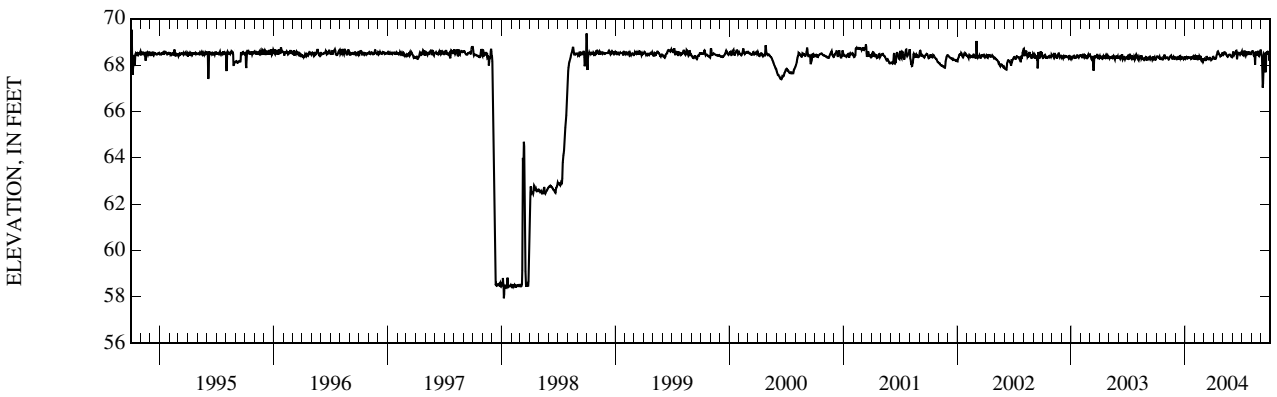
REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway is equipped with seven taintor gates, each 16ft high by 25 ft wide. Storage began in June 1929; water in lake first reached minimum operating level January 1930. Usable capacity, 69,800 acre-ft between elevations, 60.0 ft, minimum operating level, and 68.5 ft, top of closed taintor gates. Dead storage is unknown. Contents are available by request.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily contents, 99,400 acre-ft, Sept. 22, 1969, elevation, 71.16 ft; maximum instantaneous elevation, 71.60 ft, Sept. 22, 1969; minimum daily elevation after January 1930, 48.70 ft, Oct. 22,23, 1957 (earth embankment breached).

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 71,500 acre-ft, Aug. 30, elevation, 68.67 ft; minimum daily contents, 55,600 acre-ft, Sept.6, elevation, 67.03 ft.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68.31	68.31	68.32	68.31	68.34	68.25	68.36	68.40	68.35	68.59	68.56	68.51
2	68.35	68.32	68.34	68.28	68.23	68.26	68.32	68.43	68.48	68.51	68.56	68.47
3	68.37	68.33	68.33	68.30	68.31	68.28	68.29	68.50	68.58	68.45	68.58	68.37
4	68.38	68.33	68.29	68.32	68.38	68.26	68.28	68.54	68.51	68.43	68.58	67.94
5	68.37	68.34	68.25	68.34	68.36	68.24	68.28	68.54	68.46	68.43	68.62	67.37
6	68.35	68.33	68.25	68.31	68.36	68.24	68.28	68.50	68.43	68.41	68.54	67.03
7	68.34	68.28	68.26	68.29	68.42	68.22	68.28	68.49	68.47	68.46	68.45	67.22
8	68.34	68.26	68.27	68.28	68.36	68.18	68.27	68.51	68.49	68.54	68.42	67.67
9	68.33	68.24	68.28	68.31	68.23	68.26	68.32	68.53	68.50	68.62	68.40	68.13
10	68.31	68.24	68.31	68.34	68.26	68.39	68.37	68.52	68.53	68.48	68.43	68.49
11	68.35	68.28	68.39	68.34	68.22	68.36	68.42	68.49	68.57	68.45	68.38	68.47
12	68.29	68.32	68.29	68.33	68.31	68.31	68.45	68.47	68.61	68.45	68.02	68.50
13	68.28	68.35	68.24	68.32	68.41	68.30	68.52	68.44	68.62	68.41	68.36	67.97
14	68.29	68.37	68.32	68.31	68.31	68.29	68.59	68.41	68.52	68.47	68.58	67.73
15	68.30	68.38	68.39	68.31	68.24	68.28	68.59	68.38	68.25	68.55	68.52	67.72
16	68.26	68.40	68.39	68.31	68.37	68.25	68.57	68.36	68.35	68.53	68.52	67.95
17	68.26	68.42	68.30	68.31	68.35	68.24	68.53	68.38	68.49	68.50	68.56	68.52
18	68.27	68.35	68.33	68.34	68.35	68.25	68.50	68.39	68.57	68.55	68.46	68.57
19	68.26	68.31	68.33	68.33	68.39	68.29	68.49	68.40	68.52	68.55	68.45	68.48
20	68.24	68.31	68.29	68.26	68.35	68.31	68.46	68.44	68.51	68.52	68.52	68.52
21	68.24	68.28	68.27	68.27	68.23	68.29	68.44	68.45	68.49	68.47	68.56	68.59
22	68.28	68.27	68.28	68.30	68.21	68.29	68.41	68.45	68.47	68.48	68.61	68.46
23	68.34	68.28	68.32	68.33	68.26	68.26	68.38	68.45	68.50	68.54	68.50	68.50
24	68.35	68.33	68.33	68.33	68.22	68.22	68.39	68.45	68.56	68.58	68.44	68.56
25	68.34	68.36	68.32	68.32	68.21	68.24	68.41	68.44	68.44	68.52	68.45	68.54
26	68.38	68.33	68.28	68.38	68.17	68.26	68.41	68.41	68.56	68.45	68.43	68.43
27	68.45	68.31	68.26	68.39	68.25	68.26	68.44	68.39	68.49	68.50	68.50	68.20
28	68.38	68.27	68.29	68.29	68.25	68.25	68.45	68.37	68.51	68.51	68.55	68.41
29	68.31	68.28	68.32	68.29	68.20	68.26	68.44	68.36	68.54	68.43	68.58	68.55
30	68.29	68.31	68.35	68.34	---	68.35	68.55	68.34	68.56	68.51	68.67	68.56
31	68.29	---	68.35	68.36	---	68.36	---	68.33	---	68.55	68.58	---
MEAN	68.32	68.32	68.31	68.32	68.29	68.27	68.42	68.44	68.50	68.50	68.50	68.21
MAX	68.45	68.42	68.39	68.39	68.42	68.39	68.59	68.54	68.62	68.62	68.67	68.59
MIN	68.24	68.24	68.24	68.26	68.17	68.18	68.27	68.33	68.25	68.41	68.02	67.03



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

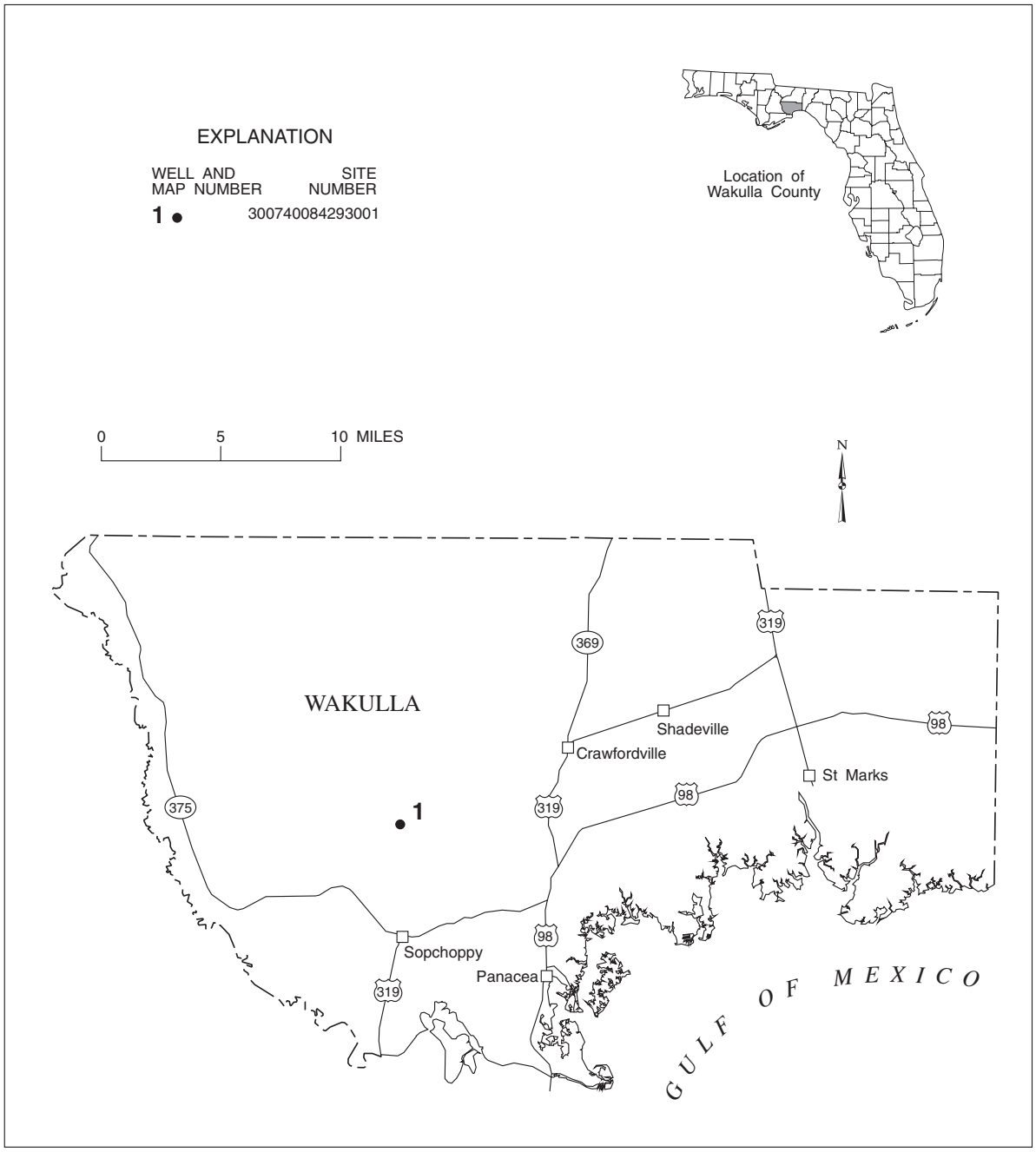


Figure 15. Location of wells in Wakulla County.

WAKULLA COUNTY

WELL NUMBER.--300740084293001. USGS Observation Well near Crawfordville, FL.

LOCATION.--Lat 30° 07'40", long 84° 29'30", in NW $^1/_4$ NE $^1/_4$ NW $^1/_4$ sec.24, T.4 S., R.3 W., Hydrologic Unit 03120003, 400 ft east of Sopchoppy River, 6.6 mi southwest of intersection of Forest Road 365 and State Highway 368, and 7.8 mi west of Crawfordville.

AQUIFER.--Hawthorne Limestone aquifer of the Miocene System, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, bench mark, artesian well, diameter 6 in., depth 127 ft, cased to 121 ft.

INSTRUMENTATION.--Satellite data collection platform with water-elevation recorder.

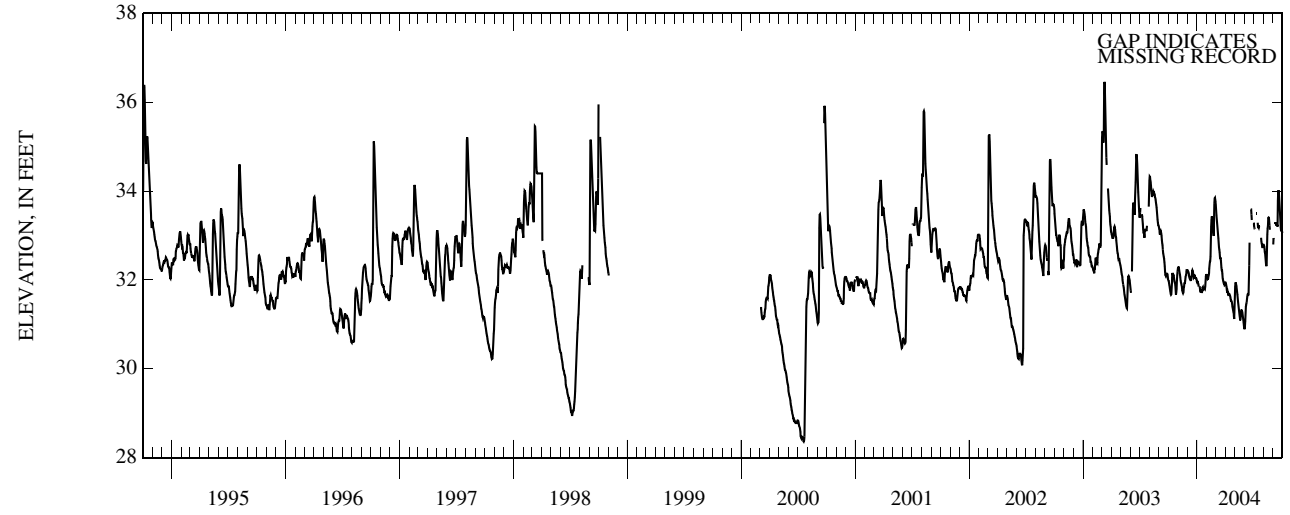
DATUM.--Land-surface datum is 46.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--January 1967 to September 1998. March 2000 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 36.91 ft NGVD, July 31, 1975; lowest, 24.42 ft NGVD, Sept. 14, 1966.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.99	32.28	32.22	31.95	32.11	33.69	31.94	31.68	30.89	33.27	32.79	32.80
2	31.98	32.29	32.19	31.96	32.07	33.59	31.92	31.85	30.95	33.19	32.77	32.94
3	31.92	32.29	32.18	31.96	32.07	33.46	31.89	31.93	31.07	33.16	32.76	32.92
4	31.88	32.25	32.18	31.92	32.02	33.36	31.84	31.93	31.25	33.14	32.69	---
5	31.83	32.20	32.16	31.91	32.03	33.28	31.77	31.90	31.40	---	32.63	---
6	31.78	32.15	32.09	31.85	32.08	33.19	31.73	31.86	31.44	---	32.61	---
7	31.74	32.12	32.06	---	32.10	33.11	31.73	31.79	31.47	---	32.52	33.26
8	31.69	32.06	32.03	---	32.16	33.02	31.74	31.73	31.50	33.50	32.44	33.30
9	31.67	31.99	32.02	31.86	32.26	32.94	31.71	31.67	31.57	33.50	32.35	33.27
10	31.68	31.95	32.08	31.80	32.34	32.84	31.66	31.59	31.63	---	32.31	33.24
11	31.80	31.92	32.00	31.74	32.41	32.73	31.66	31.51	31.67	---	32.38	33.24
12	31.93	31.89	31.98	31.74	32.42	32.68	31.69	31.45	31.69	---	32.67	33.25
13	32.06	31.85	32.02	31.76	32.53	32.62	31.69	31.39	31.65	33.29	33.03	33.25
14	32.16	31.77	32.08	31.77	32.95	32.52	31.68	31.33	31.71	33.19	33.16	33.24
15	32.12	31.75	32.10	31.77	33.20	32.49	31.66	31.26	31.92	33.17	33.22	33.20
16	32.11	31.72	32.20	31.71	33.35	32.49	31.64	31.19	32.33	33.20	33.40	33.78
17	32.12	31.70	32.22	31.73	33.43	32.44	31.59	31.14	32.84	33.18	33.41	33.99
18	32.10	31.72	32.20	31.83	33.39	32.34	31.55	31.09	---	33.21	33.40	34.02
19	32.04	31.83	32.16	31.84	33.34	32.28	31.53	31.11	---	33.21	33.31	33.99
20	31.98	31.86	32.12	31.81	33.29	32.22	31.53	31.18	---	---	33.22	33.86
21	31.95	31.91	32.05	31.82	33.20	32.22	31.51	31.26	33.59	---	33.13	33.71
22	31.93	31.93	32.06	31.82	33.07	32.14	31.46	31.32	33.59	---	---	33.57
23	31.88	31.93	32.09	31.80	32.99	32.04	31.40	31.32	33.47	---	---	33.43
24	31.77	31.99	32.12	31.81	33.35	32.00	31.36	31.30	33.35	32.95	---	33.29
25	31.67	32.07	32.05	31.81	33.73	31.97	31.32	31.27	---	32.86	---	33.18
26	31.72	32.09	32.05	31.80	33.84	31.94	31.28	31.21	---	32.82	---	33.10
27	31.80	32.12	32.05	31.85	33.85	31.92	31.26	31.15	---	32.79	---	33.15
28	31.99	32.20	32.04	31.97	33.82	31.91	31.19	31.10	---	32.75	---	33.10
29	32.11	32.19	32.04	32.08	33.77	31.88	31.12	31.04	---	32.72	---	33.09
30	32.20	32.22	32.02	32.13	---	31.89	31.42	30.96	33.27	32.77	---	33.06
31	32.25	---	31.97	32.11	---	31.96	---	30.92	---	32.81	---	---
MEAN	31.93	32.01	32.09	---	32.87	32.55	31.58	31.40	---	---	---	---
MAX	32.25	32.29	32.22	---	33.85	33.69	31.94	31.93	---	---	---	---
MIN	31.67	31.70	31.97	---	32.02	31.88	31.12	30.92	---	---	---	---



WAKULLA COUNTY

WELL NUMBER.--301446084184601. Wakulla Springs Deep Well (Hwy 61 Deep Well-3).

LOCATION.--Lat 30° 14'47", long 84° 18'47", in sec. 03, T. 03 S., R. 01 W., Hydrologic Unit 03120001, 0.1 mi north of intersection of Highway 61 and Bloxham Cutoff, and 15.1 mi south of Tallahassee.

AQUIFER.--Floridan Aquifer of the Tertiary System, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, diameter 4 in., depth 270 ft, cased to 250 ft, open hole 250-270 ft.

INSTRUMENTATION.--Satellite data collection platform.

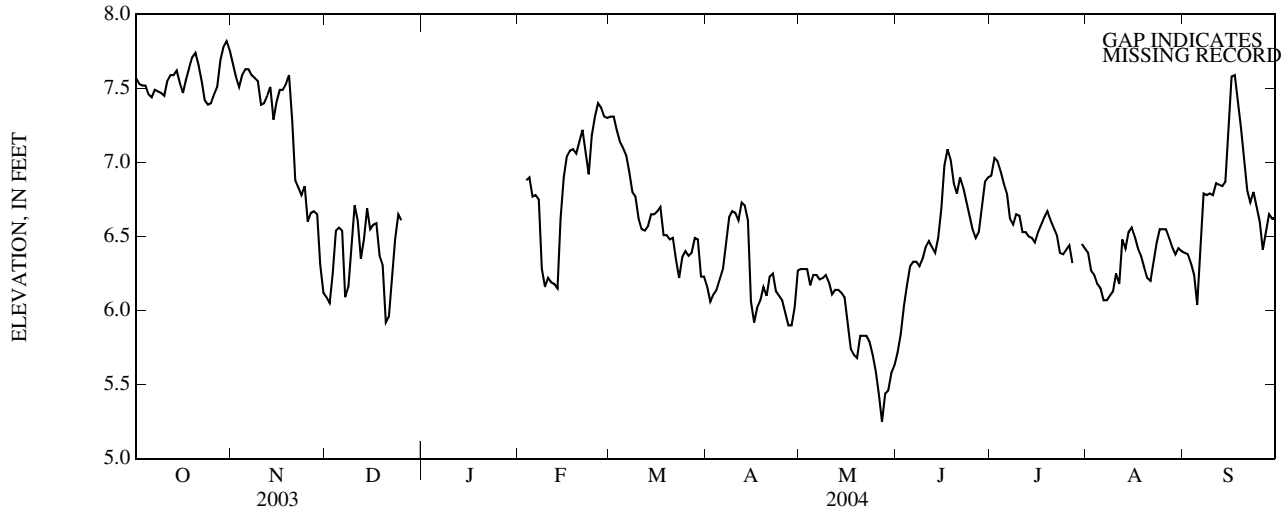
DATUM.--Land-surface datum is 13.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft above land-surface datum.

PERIOD OF RECORD.--January 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.82 ft NGVD, Mar. 11, 2003; lowest, 5.10 ft NGVD, May 28, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.57	7.67	6.09	---	---	7.31	6.16	6.28	5.72	6.91	6.39	6.39
2	7.53	7.58	6.05	---	---	7.31	6.06	6.28	5.84	7.03	6.27	6.38
3	7.52	7.51	6.25	---	6.88	7.22	6.11	6.28	6.03	7.01	6.24	6.32
4	7.52	7.59	6.54	---	6.90	7.14	6.14	6.17	6.17	6.94	6.18	6.24
5	7.46	7.63	6.56	---	6.77	7.10	6.21	6.24	6.30	6.86	6.15	6.04
6	7.44	7.63	6.54	---	6.78	7.05	6.28	6.24	6.33	6.79	6.07	6.41
7	7.49	7.59	6.09	---	6.75	6.94	6.46	6.21	6.33	6.62	6.07	6.79
8	7.48	7.57	6.16	---	6.28	6.80	6.63	6.22	6.30	6.58	6.10	6.78
9	7.47	7.55	6.42	---	6.16	6.77	6.67	6.24	6.35	6.65	6.13	6.79
10	7.45	7.39	6.71	---	6.22	6.62	6.66	6.19	6.43	6.64	6.25	6.78
11	7.55	7.40	6.61	---	6.19	6.55	6.61	6.11	6.47	6.53	6.18	6.86
12	7.59	7.45	6.35	---	6.18	6.54	6.73	6.14	6.43	6.53	6.48	6.85
13	7.59	7.51	6.48	---	6.15	6.57	6.71	6.14	6.39	6.50	6.42	6.84
14	7.62	7.29	6.69	---	6.62	6.65	6.61	6.12	6.49	6.49	6.53	6.87
15	7.54	7.41	6.55	---	6.90	6.65	6.06	6.09	6.69	6.46	6.56	7.25
16	7.47	7.49	6.58	---	7.04	6.67	5.92	5.92	6.98	6.53	6.50	7.58
17	7.56	7.49	6.59	---	7.08	6.70	6.02	5.74	7.09	6.58	6.42	7.59
18	7.64	7.53	6.37	---	7.09	6.51	6.07	5.70	7.02	6.63	6.37	7.41
19	7.71	7.59	6.31	---	7.06	6.51	6.16	5.68	6.86	6.67	6.29	7.23
20	7.74	7.28	5.92	---	7.14	6.48	6.10	5.83	6.79	6.61	6.22	7.01
21	7.66	6.88	5.96	---	7.22	6.49	6.23	5.83	6.90	6.56	6.20	6.81
22	7.55	6.83	6.23	---	7.08	6.34	6.25	5.83	6.83	6.51	6.32	6.73
23	7.42	6.78	6.48	---	6.92	6.22	6.13	5.79	6.74	6.39	6.46	6.80
24	7.39	6.84	6.65	---	7.18	6.36	6.10	5.70	6.64	6.38	6.55	6.70
25	7.40	6.60	6.61	---	7.31	6.40	6.07	5.59	6.55	6.41	6.55	6.60
26	7.46	6.66	---	---	7.40	6.37	5.98	5.43	6.49	6.44	6.55	6.41
27	7.51	6.67	---	---	7.37	6.39	5.90	5.25	6.53	6.32	6.49	6.53
28	7.69	6.65	---	---	7.31	6.49	5.90	5.44	6.70	---	6.43	6.65
29	7.78	6.31	---	---	7.30	6.48	6.02	5.46	6.87	---	6.38	6.62
30	7.82	6.12	---	---	---	6.23	6.27	5.58	6.90	6.45	6.42	6.62
31	7.76	---	---	---	---	6.23	---	5.63	---	6.42	6.40	---
MEAN	7.56	7.22	---	---	---	6.65	6.24	5.91	6.54	---	6.34	6.76
MAX	7.82	7.67	---	---	---	7.31	6.73	6.28	7.09	---	6.56	7.59
MIN	7.39	6.12	---	---	---	6.22	5.90	5.25	5.72	---	6.07	6.04
MED	7.54	7.43	---	---	---	6.55	6.15	5.92	6.51	---	6.38	6.78



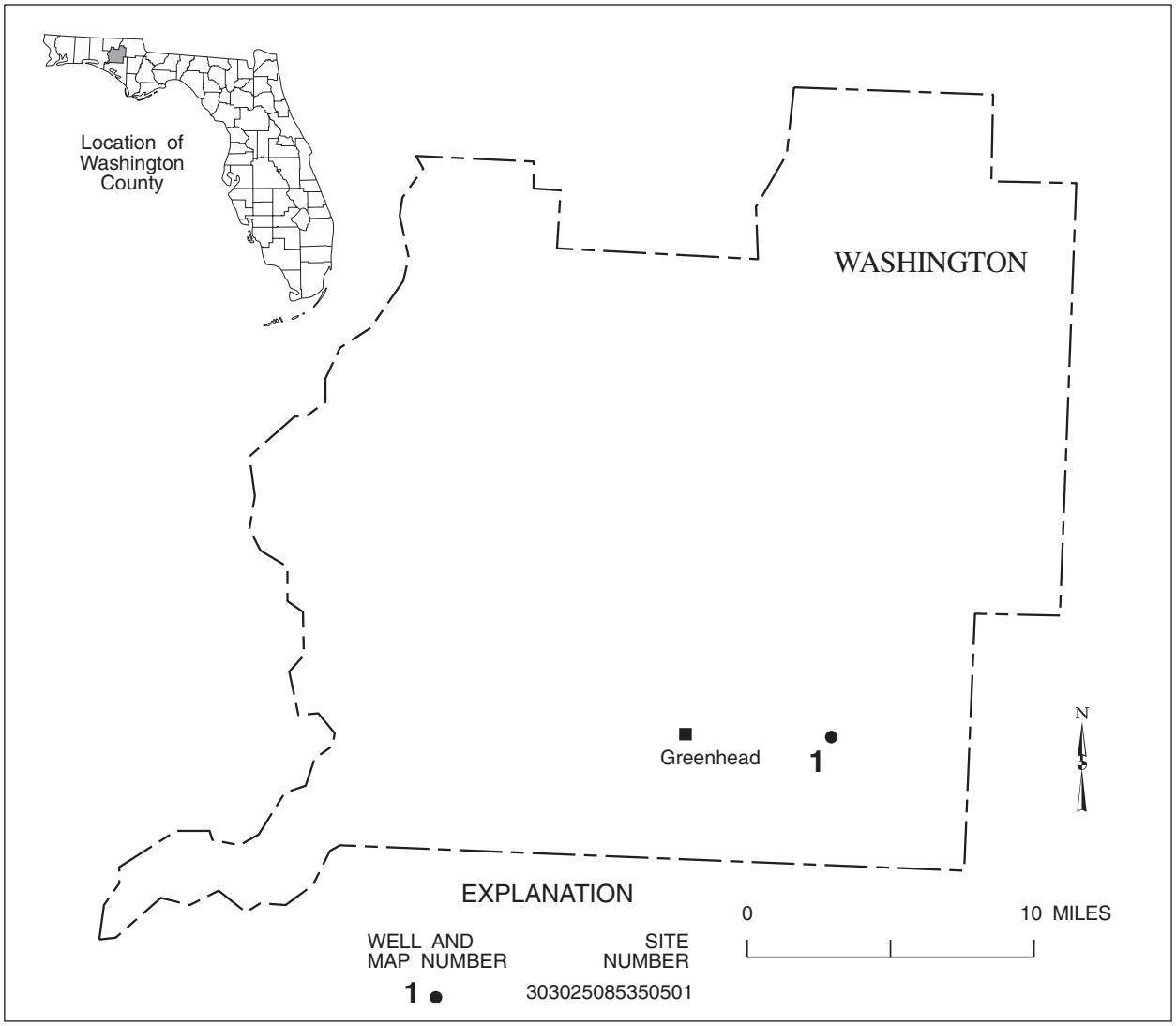


Figure 16. Location of wells in Washington County.

WASHINGTON COUNTY

WELL NUMBER.--303025085350501. Local Number 422A. USGS Observation Well near Wausau, Fl.

LOCATION.--Lat 30° 30'25", long 85° 35'05", in $SE^1/_4NW^1/_4NW^1/_4$ sec. 7, T. 1 N., R. 13 W., Hydrologic Unit 03140101, 0.6 mi east of road to Deadening Cemetery, 4.2 mi east of State Highway 77, and 8.6 mi south of Wausau.

AQUIFER.--Floridan aquifer of the Tertiary system, Geologic Unit 120 FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 150 ft, cased to 110 ft.

INSTRUMENTATION.--Satellite data collection platform with water-elevation recorder.

DATUM.--Land-surface datum is 66.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

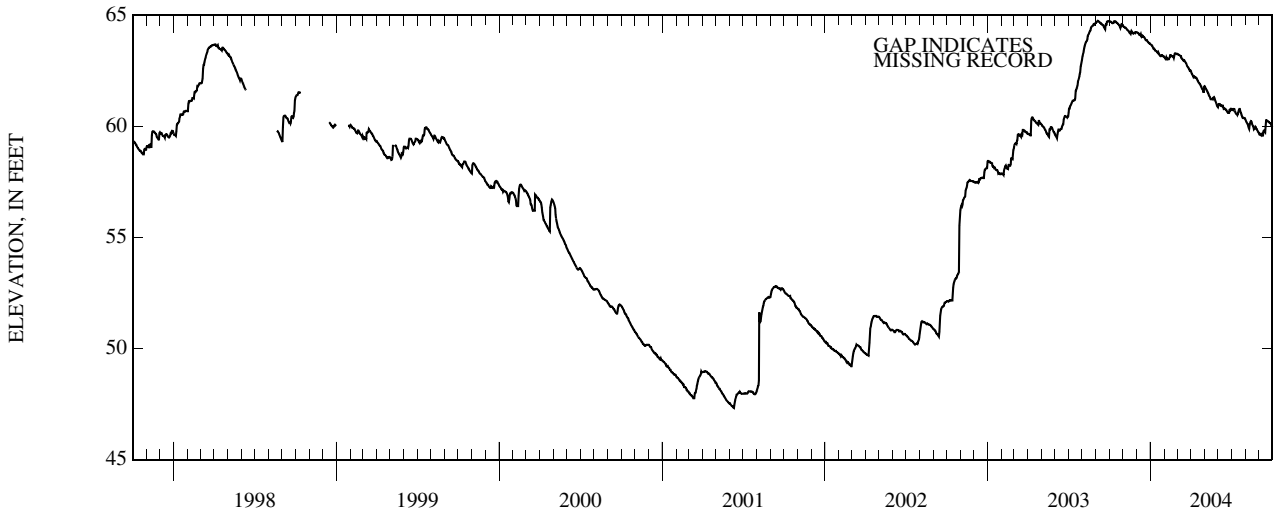
PERIOD OF RECORD.--October 1962 to September 1989, October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.75 ft NGVD, Oct. 1,2, 1979; lowest, 47.33 ft NGVD, June 10, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.73	64.50	64.24	63.70	63.11	63.27	62.46	61.81	60.98	60.76	60.30	59.64
2	64.73	64.49	64.23	63.68	63.10	63.25	62.41	61.80	60.97	60.78	60.26	59.63
3	64.73	64.48	64.21	63.66	63.08	63.23	62.36	61.75	61.01	60.78	60.21	59.66
4	64.71	64.45	64.21	63.65	63.02	63.23	62.33	61.70	61.01	60.75	60.16	59.64
5	64.69	64.45	64.20	63.63	63.02	63.22	62.28	61.67	60.99	60.79	60.13	59.61
6	64.68	64.45	64.14	63.58	63.11	63.21	62.23	61.63	60.95	60.79	60.11	59.67
7	64.65	64.42	64.13	63.51	63.06	63.19	62.25	61.59	60.95	60.78	60.03	59.67
8	64.66	64.39	64.11	63.51	63.02	63.17	62.26	61.54	60.93	60.72	59.95	59.64
9	64.65	64.37	64.10	63.51	63.02	63.17	62.23	61.51	60.91	60.65	59.90	59.56
10	64.66	64.34	64.15	63.48	63.03	63.09	62.19	61.47	60.94	60.60	60.07	59.78
11	64.73	64.33	64.06	63.42	63.03	63.06	62.18	61.39	60.94	60.57	60.13	59.82
12	64.74	64.31	64.03	63.41	63.07	63.04	62.20	61.36	60.86	60.55	60.21	59.81
13	64.74	64.29	64.05	63.40	63.12	63.01	62.19	61.33	60.80	60.56	60.24	59.77
14	64.74	64.25	64.08	63.39	63.22	62.97	62.14	61.29	60.81	60.52	60.23	59.74
15	64.70	64.21	64.04	63.38	63.22	62.96	62.10	61.23	60.81	60.58	60.15	60.00
16	64.68	64.20	64.03	63.33	63.17	62.99	62.05	61.23	60.78	60.67	60.11	60.28
17	64.68	64.17	64.03	63.31	63.17	62.97	62.02	61.22	60.77	60.74	60.05	60.28
18	64.66	64.26	64.01	63.35	63.16	62.92	61.97	61.24	60.77	60.79	60.01	60.26
19	64.64	64.30	63.97	63.30	63.17	62.90	61.95	61.26	60.74	60.79	59.93	60.26
20	64.61	64.26	63.93	63.25	63.17	62.87	61.93	61.23	60.69	60.71	59.87	60.24
21	64.59	64.24	63.89	63.23	63.15	62.84	61.90	61.30	60.66	60.63	59.90	60.23
22	64.58	64.20	63.89	63.19	63.09	62.78	61.87	61.32	60.63	60.59	59.95	60.20
23	64.56	64.18	63.89	63.17	63.18	62.71	61.81	61.29	60.63	60.53	59.99	60.19
24	64.49	64.21	63.89	63.16	63.28	62.69	61.77	61.23	60.62	60.48	59.96	60.16
25	64.44	64.21	63.83	63.17	63.30	62.67	61.72	61.18	60.58	60.40	59.90	60.15
26	64.53	64.21	63.81	63.21	63.29	62.65	61.68	61.12	60.75	60.38	59.89	60.13
27	64.55	64.20	63.78	63.21	63.28	62.58	61.66	61.06	60.76	60.38	59.84	60.14
28	64.61	64.25	63.77	63.17	63.26	62.56	61.59	61.01	60.73	60.39	59.80	60.03
29	64.60	64.25	63.74	63.17	63.26	62.52	61.52	60.94	60.80	60.37	59.77	60.00
30	64.56	64.25	63.74	63.17	---	62.53	61.78	60.90	60.80	60.38	59.74	59.96
31	64.55	---	63.72	63.15	---	62.52	---	60.87	---	60.35	59.70	---
TOTAL	2,003.87	1,929.12	1,983.90	1,964.45	1,831.16	1,950.77	1,861.03	1,901.47	1,824.57	1,878.76	1,860.49	1,798.15
MEAN	64.64	64.30	64.00	63.37	63.14	62.93	62.03	61.34	60.82	60.61	60.02	59.94
MAX	64.74	64.50	64.24	63.70	63.30	63.27	62.46	61.81	61.01	60.79	60.30	60.28
MIN	64.44	64.17	63.72	63.15	63.02	62.52	61.52	60.87	60.58	60.35	59.70	59.56

CAL YR 2003 TOTAL 22,492.03 MEAN 61.62 MAX 64.76 MIN 57.82
WTR YR 2004 TOTAL 22,787.74 MEAN 62.26 MAX 64.74 MIN 59.56



APPENDIX

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL

LOCATION.--Lat 29° 28'01", long 82° 18'52", in NE $^1/_4$ sec. 9, T.12S., R.20E., Marion County, Hydrologic Unit 03080102, at upstream side of culvert at County Road 329, 3.1 mi southwest of Micanopy, and 4.2 mi north of Flemington.

DRAINAGE AREA.--0.41 mi^2.

PERIOD OF RECORD.--October 1995 to September 1997 (fragmentary gage heights only), October 1998 to September 2001 (gage heights only), October 2001 to September 2002 (fragmentary gage heights only), October 2002 to September 2003 (gage heights only).

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records good.

EXTREMES FOR WATER YEARS 1996-2003.--Water year 1996: Maximum gage height, 4.78 ft, Nov. 11, and Mar, 30; minimum gage height, 3.60 ft, many days. Water year 1997: Maximum gage height, 5.33 ft, May 24; minimum gage height 3.60 ft, many days. Water year 1998: Maximum gage height, 7.12 ft, Nov. 13; minimum gage height, 3.93 ft, many days. Water year 1999: Maximum gage height, 5.97 ft, Sept. 27; minimum gage height, 3.99 ft, many days. Water year 2000: Maximum gage height, 5.60 ft, Sept. 6; minimum gage height, 3.99 ft, many days. Water year 2001: Maximum gage height, 4.27 ft, Sept. 14; minimum gage height, 3.99 ft, Oct. 1-5. Water year 2002: Maximum gage height, 4.41 ft, Oct. 25; minimum gage height, 3.54 ft, many days. Water year 2003: Maximum gage height, 5.05 ft (from high water mark), June 20; minimum gage height, 3.54 ft, many days.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.65	3.61	3.76	3.60	3.72	3.62	3.62	3.61	3.61	3.63	---
2	---	3.61	3.61	3.62	3.60	3.63	3.62	3.62	3.61	3.61	3.62	---
3	---	3.61	3.61	3.62	3.61	3.62	3.62	3.62	3.61	3.61	3.62	---
4	---	3.61	3.61	3.62	3.61	3.61	3.62	3.62	3.61	3.61	3.62	---
5	---	3.61	3.61	3.62	3.61	3.61	3.62	3.62	3.61	3.61	3.64	---
6	---	3.61	3.61	3.62	3.61	3.61	3.61	3.62	3.61	3.79	3.64	---
7	---	3.61	3.61	3.62	3.61	3.61	3.61	3.62	3.61	3.63	3.63	---
8	---	3.67	3.62	3.62	3.61	3.61	3.61	3.62	3.61	3.63	3.63	---
9	---	3.61	3.62	3.62	3.61	3.61	3.61	3.62	3.61	3.67	3.63	---
10	---	3.61	3.62	3.62	3.61	3.61	3.61	3.62	3.61	3.63	3.63	---
11	---	3.78	3.62	3.62	3.61	3.69	3.61	3.62	3.61	3.63	3.63	---
12	---	3.63	3.62	3.62	3.60	3.62	3.61	3.62	3.61	3.63	3.66	---
13	---	3.61	3.62	3.62	3.60	3.62	3.61	3.61	3.61	3.63	3.64	---
14	---	3.61	3.62	3.62	3.60	3.62	3.61	3.61	3.61	3.63	3.64	---
15	---	3.61	3.62	3.62	3.60	3.62	3.61	3.61	3.61	3.63	---	---
16	---	3.61	3.62	3.62	3.60	3.62	3.61	3.61	3.61	3.63	---	---
17	3.60	3.61	3.62	3.62	3.60	3.62	3.61	3.61	3.61	3.63	---	---
18	3.60	3.61	3.62	3.61	3.60	3.70	3.61	3.61	3.61	3.63	---	---
19	3.60	3.61	3.65	3.60	3.60	3.62	3.61	3.61	3.61	3.63	---	---
20	3.60	3.61	3.62	3.60	3.60	3.61	3.61	3.61	3.61	3.63	---	---
21	3.60	3.61	3.62	3.60	3.60	3.61	3.61	3.61	3.61	3.63	---	---
22	3.60	3.61	3.62	3.60	3.60	3.61	3.61	3.61	3.61	3.63	---	---
23	3.60	3.61	3.62	3.60	3.60	3.61	3.61	3.61	3.61	3.63	---	---
24	3.60	3.61	3.62	3.60	3.60	3.61	3.61	3.61	3.61	3.63	---	---
25	3.60	3.61	3.62	3.60	3.60	3.61	3.60	3.61	3.61	3.63	---	---
26	3.60	3.61	3.62	3.60	3.60	3.61	3.60	3.61	3.61	3.63	---	---
27	3.60	3.61	3.62	3.60	3.60	3.63	3.60	3.61	3.61	3.63	---	---
28	3.60	3.61	3.62	3.60	3.60	3.62	3.60	3.61	3.61	3.63	---	---
29	3.60	3.61	3.62	3.60	3.60	3.61	3.60	3.61	3.61	3.63	---	---
30	3.60	3.61	3.62	3.60	---	3.81	3.68	3.61	3.61	3.63	---	---
31	3.60	---	3.62	3.60	---	3.66	---	3.61	---	3.63	---	---
MEAN	---	3.62	3.62	3.62	3.60	3.63	3.61	3.61	3.61	3.63	---	---
MAX	---	3.78	3.65	3.76	3.61	3.81	3.68	3.62	3.61	3.79	---	---
MIN	---	3.61	3.61	3.60	3.60	3.61	3.60	3.61	3.61	3.61	---	---

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, 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	---	---	3.61	3.88	3.88	3.88	3.89	3.91	4.01	3.93	3.93	3.97
2	---	---	3.61	3.88	3.88	3.88	3.89	3.91	3.94	3.93	3.93	3.97
3	---	---	3.61	3.88	3.88	3.88	3.89	3.91	3.93	3.93	3.93	3.97
4	---	---	3.61	3.88	3.88	3.88	3.89	3.91	3.93	3.93	3.93	3.97
5	---	---	3.61	3.88	3.88	3.88	3.89	3.90	3.93	3.93	3.93	3.97
6	---	3.60	3.61	3.87	3.88	3.88	3.89	3.90	3.93	3.93	3.93	3.97
7	---	3.60	3.73	3.87	3.88	3.87	3.89	3.91	3.93	3.93	3.95	3.97
8	---	3.60	3.62	3.87	3.88	3.87	3.89	3.92	3.93	3.93	3.95	3.97
9	---	3.60	3.62	3.87	3.88	3.87	3.89	3.92	3.93	3.93	3.95	3.97
10	---	3.60	3.62	3.87	3.88	3.87	3.89	3.91	3.93	3.93	3.95	3.97
11	---	3.60	3.62	3.87	3.88	3.87	3.89	3.91	3.93	3.93	3.94	3.97
12	---	3.60	3.62	3.87	3.88	3.87	3.88	3.91	3.93	3.93	3.94	3.97
13	---	3.60	3.62	3.87	3.88	3.87	3.88	3.91	3.93	3.93	3.94	3.97
14	---	3.60	3.62	3.87	3.88	3.87	3.88	3.91	3.93	3.93	3.94	3.97
15	---	3.60	3.62	3.87	3.88	3.87	3.88	3.91	3.93	3.93	3.94	3.97
16	---	3.60	3.62	3.87	3.88	3.87	3.89	3.91	3.93	3.93	3.94	3.97
17	---	3.60	3.62	3.87	3.88	3.87	3.89	3.91	3.93	3.92	3.94	3.97
18	---	3.60	3.75	3.87	3.88	3.87	3.89	3.91	3.93	3.92	3.94	3.97
19	---	3.60	3.88	3.88	3.88	3.87	3.88	3.91	3.93	3.92	3.95	3.98
20	---	3.60	3.88	3.88	3.88	3.87	3.88	3.91	3.93	3.92	3.98	3.98
21	---	3.60	3.88	3.88	3.88	3.87	3.88	3.91	3.93	3.92	3.97	3.98
22	---	3.60	3.88	3.88	3.88	3.87	3.88	3.91	3.93	3.92	3.97	3.98
23	---	3.60	3.88	3.88	3.88	3.87	3.89	3.91	3.93	3.92	3.97	3.98
24	---	3.60	3.88	3.90	3.88	3.87	3.89	4.06	3.93	3.92	3.97	3.98
25	---	3.60	3.88	3.93	3.88	3.93	3.89	4.01	3.93	3.92	3.97	3.98
26	---	3.60	3.88	3.88	3.88	3.91	3.89	3.92	3.93	3.92	3.97	3.97
27	---	3.60	3.88	3.88	3.88	3.90	4.02	3.92	3.93	3.92	3.97	4.01
28	---	3.60	3.88	3.88	3.88	3.89	3.97	3.92	3.93	3.92	3.97	3.94
29	---	3.60	3.88	3.88	---	3.89	3.91	3.92	3.93	3.92	3.97	3.94
30	---	3.60	3.88	3.88	---	3.89	3.91	3.92	3.93	3.92	3.97	3.94
31	---	---	3.88	3.88	---	3.89	---	3.98	---	3.92	3.97	---
MEAN	---	---	3.73	3.88	3.88	3.88	3.90	3.92	3.93	3.93	3.95	3.97
MAX	---	---	3.88	3.93	3.88	3.93	4.02	4.06	4.01	3.93	3.98	4.01
MIN	---	---	3.61	3.87	3.88	3.87	3.88	3.90	3.93	3.92	3.93	3.94

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	3.95	3.96	4.02	4.01	4.02	4.02	4.01	4.01	4.00	3.99	4.01
2	3.94	3.95	3.96	4.02	4.11	4.02	4.02	4.01	4.01	4.00	3.99	4.01
3	3.94	3.95	3.96	4.02	4.25	4.02	4.02	4.01	4.01	4.00	3.99	4.03
4	3.94	3.95	3.96	4.01	4.01	4.02	4.02	4.01	4.01	4.00	3.99	4.02
5	3.94	3.95	3.96	4.01	4.01	4.02	4.02	4.01	4.01	4.00	3.99	4.02
6	3.94	3.95	3.96	4.01	4.01	4.02	4.02	4.01	4.01	4.00	4.00	4.04
7	3.94	3.95	3.96	4.01	4.00	4.02	4.02	4.01	4.01	4.00	4.00	4.02
8	3.94	3.95	3.96	4.17	4.00	4.02	4.02	4.00	4.01	4.00	4.09	4.02
9	3.94	3.95	3.96	4.02	4.00	4.09	4.01	4.00	4.01	3.99	4.01	4.02
10	3.94	3.95	4.04	4.02	4.00	4.03	4.01	4.00	4.00	3.99	4.10	4.02
11	3.94	3.95	4.11	4.01	4.00	4.03	4.01	4.00	4.00	3.99	4.02	4.02
12	3.94	3.95	4.27	4.01	4.00	4.03	4.01	4.00	4.01	3.99	4.01	4.02
13	3.94	4.63	4.19	4.01	4.00	4.03	4.01	4.00	4.00	3.99	4.01	4.02
14	3.94	3.97	4.08	4.01	4.00	4.03	4.01	4.01	4.00	3.99	4.01	4.02
15	3.94	3.96	4.12	4.03	4.07	4.03	4.01	4.02	4.00	3.99	4.01	4.02
16	3.93	3.96	3.99	4.01	4.62	4.03	4.01	4.02	4.00	3.99	4.01	4.02
17	3.93	3.96	3.98	4.01	4.11	4.03	4.01	4.02	4.00	3.99	4.01	4.02
18	3.93	3.96	3.98	4.01	4.02	4.04	4.01	4.01	4.00	3.99	4.01	4.02
19	3.93	3.96	3.98	4.01	4.04	4.14	4.01	4.01	4.00	3.99	4.01	4.02
20	3.93	3.96	3.98	4.01	4.06	4.03	4.01	4.02	4.00	3.99	4.01	4.08
21	3.93	3.96	3.98	4.01	4.02	4.03	4.01	4.01	4.00	3.99	4.01	4.11
22	3.93	3.96	4.12	4.01	4.41	4.03	4.01	4.01	4.00	3.99	4.01	4.02
23	3.93	3.96	4.10	4.02	4.18	4.03	4.01	4.01	4.00	3.99	4.01	4.02
24	3.93	3.96	4.09	4.01	4.03	4.02	4.01	4.01	4.00	3.99	4.01	4.02
25	3.93	3.96	4.48	4.01	4.03	4.02	4.01	4.01	4.00	3.99	4.01	4.19
26	3.93	3.96	4.14	4.01	4.03	4.02	4.01	4.01	4.00	3.99	4.01	4.06
27	3.99	3.96	4.11	4.01	4.03	4.02	4.01	4.01	4.00	3.99	4.01	4.03
28	3.95	3.96	4.02	4.01	4.02	4.02	4.01	4.01	4.00	3.99	4.01	4.03
29	3.95	3.96	4.02	4.01	---	4.02	4.01	4.01	4.00	4.00	4.01	4.03
30	3.95	3.96	4.02	4.01	---	4.02	4.01	4.01	4.00	3.99	4.01	4.41
31	4.11	---	4.02	4.01	---	4.02	---	4.01	---	3.99	4.01	---
MEAN	3.94	3.98	4.05	4.02	4.07	4.03	4.01	4.01	4.00	3.99	4.01	4.05
MAX	4.11	4.63	4.48	4.17	4.62	4.14	4.02	4.02	4.01	4.00	4.10	4.41
MIN	3.93	3.95	3.96	4.01	4.00	4.02	4.01	4.00	4.00	3.99	3.99	4.01

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.12	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.05	4.04	4.04	4.04
2	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.04	4.04	4.04	4.04
3	4.05	4.04	4.04	4.03	4.04	4.04	3.99	4.05	4.02	4.04	4.04	4.04
4	4.05	4.04	4.04	4.03	4.04	4.04	3.99	4.05	4.02	4.04	4.04	4.04
5	4.05	4.04	4.04	4.03	4.04	4.04	3.99	4.05	4.05	4.04	4.04	4.04
6	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.03	4.04	4.04	4.04
7	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.03	4.04	4.04	4.04
8	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.03	4.04	4.04	4.04
9	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.03	4.04	4.04	4.05
10	4.05	4.04	4.04	4.04	4.04	4.04	3.99	4.05	4.04	4.04	4.04	4.05
11	4.05	4.04	4.04	4.04	4.04	4.02	3.99	4.05	4.07	4.04	4.04	4.05
12	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.05	4.04	4.04	4.04	4.05
13	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.04
14	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.07	4.04	4.04
15	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.04
16	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.04
17	4.05	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.04
18	4.05	4.04	4.04	4.03	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.12
19	4.05	4.04	4.04	4.03	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.13
20	4.05	4.04	4.04	4.03	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.11
21	4.04	4.04	4.04	4.03	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.07
22	4.04	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.05
23	4.04	4.04	4.04	4.09	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.05
24	4.04	4.04	4.04	4.16	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.05
25	4.04	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.05
26	4.04	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.04	4.04	4.04	4.11
27	4.04	4.04	4.04	4.04	4.04	3.99	3.99	4.04	4.06	4.04	4.08	4.26
28	4.04	4.04	4.03	4.04	4.04	3.99	3.99	4.05	4.04	4.04	4.06	4.05
29	4.04	4.04	4.03	4.04	---	3.99	4.02	4.05	4.04	4.04	4.05	4.05
30	4.04	4.04	4.03	4.04	---	3.99	4.05	4.05	4.04	4.04	4.04	4.05
31	4.04	---	4.03	4.04	---	3.99	---	4.05	---	4.04	4.04	---
MEAN	4.05	4.04	4.04	4.04	4.04	4.01	3.99	4.05	4.04	4.04	4.04	4.06
MAX	4.12	4.04	4.04	4.16	4.04	4.04	4.05	4.05	4.07	4.07	4.08	4.26
MIN	4.04	4.04	4.03	4.03	4.04	3.99	3.99	4.04	4.02	4.04	4.04	4.04

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.03
2	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.03
3	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.03
4	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.03
5	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.03
6	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.20
7	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	3.99
8	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.01
9	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.02	4.02	4.00
10	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.02	4.00
11	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.02	4.00
12	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
13	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
14	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
15	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
16	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
17	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	4.12
18	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
19	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.01	4.02	4.03	3.99
20	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.00	4.02	4.03	3.99
21	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.01	4.09	4.02	4.03	3.99
22	4.05	4.04	4.03	4.03	4.03	4.03	4.02	4.01	4.03	4.02	4.03	3.99
23	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
24	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
25	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
26	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
27	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
28	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	3.99
29	4.05	4.03	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.13	3.99
30	4.05	4.03	4.03	4.03	---	4.02	4.02	4.01	4.02	4.02	4.03	3.99
31	4.05	---	4.03	4.03	---	4.02	---	4.01	---	4.02	4.03	---
MEAN	4.05	4.04	4.03	4.03	4.03	4.03	4.02	4.01	4.02	4.02	4.03	4.01
MAX	4.05	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.09	4.02	4.13	4.20
MIN	4.05	4.03	4.03	4.03	4.03	4.02	4.02	4.01	4.00	4.02	4.02	3.99

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
2	3.99	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
3	3.99	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
4	3.99	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
5	4.01	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
6	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
7	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
8	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
9	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
10	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
11	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
12	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
13	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
14	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.05
15	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.08
16	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
17	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
18	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
19	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
20	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
21	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
22	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
23	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
24	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
25	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
26	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
27	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
28	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
29	4.03	4.03	4.03	4.03	---	4.03	4.03	4.03	4.03	4.03	4.03	4.03
30	4.03	4.03	4.03	4.03	---	4.03	4.03	4.03	4.03	4.03	4.03	4.03
31	4.03	---	4.03	4.03	---	4.03	---	4.03	---	4.03	4.03	---
MEAN	4.02	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03
MAX	4.03	4.03	4.03	4.04	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.08
MIN	3.99	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03	4.03

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.03	4.04	4.04	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
2	4.03	4.04	4.04	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
3	4.03	4.04	4.04	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
4	4.03	4.04	4.04	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
5	4.03	4.04	4.04	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
6	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
7	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
8	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
9	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
10	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
11	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
12	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
13	4.03	4.04	4.03	4.03	3.55	3.55	3.55	3.55	---	---	3.54	3.54
14	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	---	3.54	3.55
15	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	---	3.54	3.54
16	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
17	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
18	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
19	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
20	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
21	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
22	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
23	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
24	4.03	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.55
25	4.07	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
26	4.04	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
27	4.04	4.04	4.03	4.03	3.55	3.55	3.55	---	---	3.54	3.54	3.54
28	4.04	4.04	4.03	3.99	3.55	3.55	3.55	---	---	3.59	3.54	3.54
29	4.04	4.04	4.03	3.76	---	3.55	3.55	---	---	3.55	3.54	3.54
30	4.04	4.04	4.03	3.55	---	3.55	3.55	---	---	3.54	3.54	3.54
31	4.04	---	4.03	3.55	---	3.55	---	---	---	3.54	3.54	---
MEAN	4.03	4.04	4.03	3.99	3.55	3.55	3.55	---	---	---	3.54	3.54
MAX	4.07	4.04	4.04	4.03	3.55	3.55	3.55	---	---	---	3.54	3.55
MIN	4.03	4.04	4.03	3.55	3.55	3.55	3.55	---	---	---	3.54	3.54

022409424 MOORES POND TRIBUTARY NEAR MICANOPY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.54	3.54	3.54	3.65	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58
2	3.54	3.54	3.54	3.55	3.54	3.55	3.56	3.55	3.55	3.57	3.57	3.59
3	3.54	3.54	3.54	3.54	3.54	3.59	3.55	3.55	3.55	3.57	3.57	3.58
4	3.54	3.54	3.54	3.55	3.54	3.78	3.55	3.55	3.57	3.57	3.63	3.58
5	3.54	3.54	3.54	3.55	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58
6	3.54	3.54	3.54	3.55	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58
7	3.54	3.54	3.54	3.55	3.57	3.55	3.55	3.55	3.55	3.57	3.57	3.58
8	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.55	3.57	3.57	3.58
9	3.54	3.54	3.54	3.55	3.54	3.75	3.55	3.55	3.55	3.57	3.57	3.58
10	3.54	3.54	3.54	3.55	3.54	3.56	3.55	3.55	3.55	3.57	3.57	3.58
11	3.54	3.54	3.54	3.55	3.54	3.56	3.55	3.55	3.55	3.57	3.57	3.58
12	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.56	3.57	3.57	3.58
13	3.54	3.54	3.56	3.55	3.55	3.55	3.55	3.55	3.55	3.57	3.57	3.58
14	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.57	3.57	3.58
15	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.57	3.57	3.58
16	3.54	3.55	3.54	3.54	3.59	3.55	3.55	3.55	3.55	3.57	3.62	3.58
17	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.57	3.62	3.58
18	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.55	3.57	3.58	3.58
19	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.57	3.55	3.57	3.58	3.58
20	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.80	3.57	3.58	3.58
21	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.58	3.57	3.58	3.58
22	3.54	3.54	3.54	3.54	3.60	3.55	3.55	3.55	3.67	3.57	3.58	3.58
23	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58	3.58
24	3.54	3.54	3.66	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58	3.58
25	3.54	3.54	3.55	3.54	3.55	3.55	3.55	3.55	3.57	3.58	3.58	3.58
26	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.58	3.57
27	3.54	3.54	3.54	3.54	3.58	3.69	3.55	3.55	3.57	3.58	3.58	3.58
28	3.54	3.54	3.54	3.54	3.55	3.56	3.55	3.55	3.57	3.57	3.59	3.58
29	3.54	3.54	3.54	3.54	---	3.55	3.55	3.55	3.57	3.57	3.58	3.57
30	3.54	3.54	3.55	3.54	---	3.55	3.55	3.55	3.57	3.57	3.58	3.57
31	3.54	---	3.68	3.54	---	3.55	---	3.55	---	3.57	3.58	---
MEAN	3.54	3.54	3.55	3.55	3.55	3.57	3.55	3.55	3.57	3.57	3.58	3.58
MAX	3.54	3.55	3.68	3.65	3.60	3.78	3.56	3.57	3.80	3.58	3.63	3.59
MIN	3.54	3.54	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.57	3.57	3.57

02322049 BAD DOG RUN NEAR ALACHUA, FL

LOCATION.--Lat 29° 49'32", long 82° 28'06", in NE $^1/_4$ sec. 1, T.8S., R.18E., Alachua County, Hydrologic Unit 03110206, at upstream side of culvert at County Road 239, and 2.6 mi northeast of Alachua.

DRAINAGE AREA.--0.49 mi^2.

PERIOD OF RECORD.--October 1995 to September 1996, October 1996 to September 1997 (fragmentary), October 1997 to September 2003.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records poor.

DISCHARGE, 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	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00
2	e0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.6	0.00	0.00
6	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36	0.00	0.00
7	e0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	4.2	0.00	0.00
8	e0.00	0.00	0.00	0.00	0.00	2.3	0.00	0.00	0.00	1.5	0.00	0.00
9	e0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.28	0.00	0.00
10	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00
11	e0.00	0.00	0.00	0.00	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00
12	e0.00	0.00	0.00	0.00	0.00	1.0	0.00	0.00	0.00	0.00	0.00	0.00
13	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	8.1	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.3	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.7	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	3.4	1.4	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	1.2	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.60	0.05	0.00	0.24	1.49	0.00	0.00
MAX	0.00	0.00	0.00	0.02	0.00	8.1	1.4	0.08	4.7	36	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

MEAN	0.00	0.00	0.00	0.00	0.00	0.60	0.05	0.00	0.24	1.49	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.60	0.05	0.00	0.24	1.49	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)
MIN	0.00	0.00	0.00	0.00	0.00	0.60	0.05	0.00	0.24	1.49	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)

SUMMARY STATISTICS	FOR 1996 WATER YEAR	
ANNUAL MEAN	0.20	
HIGHEST DAILY MEAN	36	Jul 6
LOWEST DAILY MEAN	0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1
MAXIMUM PEAK FLOW	176	Jul 6
MAXIMUM PEAK STAGE	16.62	Jul 6
INSTANTANEOUS LOW FLOW	0.00	Oct 1
10 PERCENT EXCEEDS	0.00	
50 PERCENT EXCEEDS	0.00	
90 PERCENT EXCEEDS	0.00	

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
7	2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
8	5.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
9	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	3.8	---	---	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	1.5	---	---	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	---	---	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	---	---	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	---	---	0.00	0.00	---
MEAN	0.28	0.00	0.00	0.00	0.00	0.00	0.18	---	---	---	0.00	0.00
MAX	5.7	0.00	0.00	0.00	0.00	0.00	3.8	---	---	---	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---	0.00	0.00

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

MEAN	0.14	0.00	0.00	0.00	0.00	0.30	0.11	0.00	0.24	1.49	0.00	0.00
MAX	0.28	0.00	0.00	0.00	0.00	0.60	0.18	0.00	0.24	1.49	0.00	0.00
(WY)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.24	1.49	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		WATER YEARS 1996 - 1997	
ANNUAL MEAN	0.22		0.20	
HIGHEST ANNUAL MEAN			0.20	1996
LOWEST ANNUAL MEAN			0.20	1996
HIGHEST DAILY MEAN	36	Jul 6	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 3	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			176	Jul 6, 1996
MAXIMUM PEAK STAGE			16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00	

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	1.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	8.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	3.3	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	6.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.44
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.08	0.00	1.69	0.17	0.00	0.00	0.00	0.00	0.00	0.01
MAX	0.00	0.00	1.6	0.08	17	3.3	0.00	0.00	0.00	0.02	0.00	0.44
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

MEAN	0.09	0.00	0.03	0.00	0.56	0.26	0.07	0.00	0.12	0.75	0.00	0.00
MAX	0.28	0.00	0.08	0.00	1.69	0.60	0.18	0.00	0.24	1.49	0.00	0.01
(WY)	(1997)	(1996)	(1998)	(1998)	(1998)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(1998)	(1996)	(1996)

SUMMARY STATISTICS	FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998	
ANNUAL MEAN	0.15		0.18	
HIGHEST ANNUAL MEAN			0.20	1996
LOWEST ANNUAL MEAN			0.15	1998
HIGHEST DAILY MEAN	17	Feb 17	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW	94	Feb 17	176	Jul 6, 1996
MAXIMUM PEAK STAGE	15.61	Feb 17	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW	0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00	

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.18	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	e0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	e0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	e0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.18	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	0.07	0.00	0.02	0.00	0.42	0.19	0.06	0.00	0.08	0.50	0.00	0.00
MAX	0.28	0.00	0.08	0.00	1.69	0.60	0.18	0.00	0.24	1.49	0.00	0.01
(WY)	(1997)	(1996)	(1998)	(1998)	(1998)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(1998)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(1998)	(1996)	(1996)

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1996 - 1999	
ANNUAL MEAN	0.15		0.00		0.12	
HIGHEST ANNUAL MEAN					0.20	1996
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	17	Feb 17	0.18	Jul 1	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			5.9	Jul 1	176	Jul 6, 1996
MAXIMUM PEAK STAGE			13.93	Jul 1	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	e0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	0.06	0.00	0.02	0.00	0.33	0.15	0.04	0.00	0.06	0.37	0.00	0.01
MAX	0.28	0.00	0.08	0.00	1.69	0.60	0.18	0.00	0.24	1.49	0.00	0.02
(WY)	(1997)	(1996)	(1998)	(1998)	(1998)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(2000)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(2000)	(1996)	(1996)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL MEAN	0.00		0.00		0.09	
HIGHEST ANNUAL MEAN					0.20	1996
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	0.18	Jul 1	0.50	Sep 6	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			21	Sep 6	176	Jul 6, 1996
MAXIMUM PEAK STAGE			14.33	Sep 6	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.6
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.9
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.15
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.89	2.9
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	0.05	0.00	0.01	0.00	0.28	0.13	0.04	0.00	0.05	0.30	0.00	0.03
MAX	0.28	0.00	0.08	0.00	1.69	0.60	0.18	0.00	0.24	1.49	0.03	0.15
(WY)	(1997)	(1996)	(1998)	(1998)	(1998)	(1996)	(1997)	(1996)	(1996)	(1996)	(2001)	(2001)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(2000)	(1996)	(1996)

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL MEAN	0.00		0.01		0.07	
HIGHEST ANNUAL MEAN					0.20	1996
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	0.50	Sep 6	2.9	Sep 23	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			21	Aug 1	176	Jul 6, 1996
MAXIMUM PEAK STAGE			14.34	Aug 1	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.18	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	e0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.21	e0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.42	0.16
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	0.04	0.00	0.01	0.00	0.24	0.11	0.03	0.00	0.04	0.25	0.01	0.03
MAX	0.28	0.00	0.08	0.00	1.69	0.60	0.18	0.00	0.24	1.49	0.03	0.15
(WY)	(1997)	(1996)	(1998)	(1998)	(1998)	(1996)	(1997)	(1996)	(1996)	(1996)	(2001)	(2001)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(2000)	(1996)	(1996)

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL MEAN	0.01		0.00		0.06	
HIGHEST ANNUAL MEAN					0.20	1996
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	2.9	Sep 23	0.42	Aug 18	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			12	Aug 18	176	Jul 6, 1996
MAXIMUM PEAK STAGE			14.12	Aug 18	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.00		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

02322049 BAD DOG RUN NEAR ALACHUA, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	0.00	0.00	4.4	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
2	e0.00	0.00	0.00	0.16	0.00	2.2	0.00	0.00	0.00	0.00	0.20	0.00
3	e0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.05	0.00	0.54	0.00
4	e0.00	0.00	0.00	0.00	0.00	5.5	0.00	0.00	0.00	0.00	0.00	0.00
5	e0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
6	e0.00	0.00	0.00	0.00	0.14	1.6	0.00	0.00	0.00	0.00	0.00	0.00
7	e0.00	0.00	0.00	0.00	0.29	3.7	0.00	0.00	0.04	0.00	1.4	0.00
8	e0.00	0.00	0.00	0.00	0.17	3.8	1.0	0.00	4.6	0.00	4.3	0.00
9	e0.00	0.00	0.00	0.00	0.05	12	0.40	0.00	0.33	0.00	2.3	0.00
10	e0.00	0.00	0.00	0.00	0.19	3.5	0.00	0.00	0.00	0.00	0.00	0.00
11	e0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
12	e0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00
13	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00
14	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.6	0.00	0.00	0.00
15	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.00	1.0	0.00
16	e0.00	0.15	0.00	0.00	12	0.00	0.00	0.00	0.07	0.00	0.00	0.00
17	e0.00	0.00	0.00	0.00	7.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	0.54	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	6.7	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.2	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	3.1	0.00	0.00	0.00	2.0	0.00	1.7	0.00
23	0.00	0.00	0.00	0.00	4.4	0.00	0.00	0.00	3.4	0.00	0.00	0.00
24	0.00	0.00	3.1	0.00	2.4	0.00	0.00	0.00	0.01	0.00	0.00	0.00
25	0.00	0.00	3.5	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.04	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	10	5.0	0.00	0.00	0.03	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	7.7	4.1	0.00	0.00	0.58	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.04	0.00	0.00	0.00	0.00	0.26	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	5.6	0.00
31	0.00	---	0.99	0.00	---	0.00	---	0.00	---	0.00	0.34	---
MEAN	0.00	0.01	0.25	0.15	1.93	1.81	0.05	0.00	0.80	0.00	0.60	0.00
MAX	0.00	0.15	3.5	4.4	12	14	1.0	0.00	6.7	0.00	5.6	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	0.04	0.00	0.04	0.02	0.45	0.32	0.03	0.00	0.15	0.21	0.08	0.02
MAX	0.28	0.01	0.25	0.15	1.93	1.81	0.18	0.00	0.80	1.49	0.60	0.15
(WY)	(1997)	(2003)	(2003)	(2003)	(2003)	(2003)	(1997)	(1996)	(2003)	(1996)	(2003)	(2001)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1996)	(1996)	(1996)	(1997)	(1996)	(1997)	(1998)	(1998)	(1998)	(2000)	(1996)	(1996)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL MEAN	0.02		0.46		0.12	
HIGHEST ANNUAL MEAN					0.46	2003
LOWEST ANNUAL MEAN					0.00	1999
HIGHEST DAILY MEAN	3.5	Dec 25	14	Mar 1	36	Jul 6, 1996
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1995
MAXIMUM PEAK FLOW			51	Mar 1	176	Jul 6, 1996
MAXIMUM PEAK STAGE			14.95	Mar 1	16.62	Jul 6, 1996
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	Oct 1, 1995
10 PERCENT EXCEEDS	0.00		0.99		0.00	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

02326372 PALMER MILL BRANCH AT MONTICELLO, FL

LOCATION.--Lat 30° 23'37", long 83° 50'42", in SE$^1/_4$ sec. 29, T.2N., R.5E., Jefferson County, Hydrologic Unit 03110103, on right bank 10 ft upstream from culvert on U.S. Highway 90, 1.5 mi above mouth, and 1.5 mi east of Jefferson County Court house in Monticello.

DRAINAGE AREA.--0.48 mi^2.

PERIOD OF RECORD.--February 1983 to September 1984 (fragmentary), October 1985 to June 1987, prior to June 1987, maximum peak stage and discharge published only, May 1995 to September 1997 (fragmentary), October 1997 to September 2001, October 2002 to September 2003 (fragmentary).

GAGE.--Water-stage recorder, crest-stage gage. Elevation of gage 110 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

DISCHARGE, 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	0.68	0.78	---	---	0.78	1.7	0.93	0.65	0.59	0.66	0.88	0.74
2	0.68	0.82	---	---	2.0	0.79	0.84	0.63	0.59	0.68	2.6	0.89
3	0.73	---	---	---	0.92	0.68	0.78	0.64	0.59	0.73	0.81	1.3
4	1.5	---	0.78	---	0.84	0.65	0.78	0.65	0.59	0.79	0.68	0.76
5	0.84	---	---	---	0.80	0.68	0.78	0.65	0.59	3.0	0.83	0.68
6	0.71	---	---	---	0.78	0.68	1.3	0.65	0.58	1.1	0.73	0.67
7	0.68	0.95	---	---	0.78	1.6	0.84	0.65	0.62	0.68	1.1	0.67
8	0.68	0.78	---	---	0.78	0.80	0.75	0.65	0.90	1.4	0.75	0.68
9	0.68	---	---	---	0.78	0.68	0.72	0.68	0.76	0.81	0.70	0.68
10	1.5	---	---	---	0.70	0.68	0.68	0.67	0.64	0.72	0.69	1.9
11	5.0	---	---	---	0.68	0.91	0.72	0.67	0.62	0.82	0.85	1.0
12	0.96	---	---	---	0.68	0.68	0.76	0.66	0.61	0.73	0.70	0.64
13	0.82	---	---	---	0.68	0.68	0.77	0.66	0.62	0.74	0.85	0.59
14	1.0	---	---	---	0.68	0.68	0.75	0.75	1.7	0.98	4.7	0.65
15	---	---	---	---	0.68	0.68	2.3	0.74	1.4	0.72	1.1	0.75
16	0.78	0.78	---	---	0.68	0.77	0.80	0.70	0.95	0.76	0.78	2.6
17	0.73	---	---	0.60	0.68	1.3	0.76	0.67	0.75	0.73	---	1.2
18	1.1	---	---	0.62	0.69	2.8	0.71	0.68	0.68	0.72	---	1.0
19	0.78	---	---	0.76	0.92	0.77	0.71	0.67	0.85	0.72	---	0.68
20	0.78	---	---	0.59	2.3	0.68	0.70	0.68	0.68	0.73	0.53	0.67
21	---	---	---	0.59	0.65	0.68	0.72	0.69	0.66	1.9	0.55	0.67
22	---	---	---	0.59	0.60	0.68	0.70	0.68	0.67	0.83	0.55	0.67
23	0.73	---	---	0.59	0.59	0.68	0.68	3.2	0.66	1.2	0.56	0.64
24	0.78	---	---	1.3	0.59	0.68	0.68	0.68	0.65	11	0.62	0.64
25	0.78	---	---	0.70	0.59	2.4	0.68	0.57	0.65	1.4	2.1	0.64
26	0.80	---	---	0.70	0.59	0.81	0.68	0.56	0.65	0.85	0.99	0.65
27	0.78	---	---	2.0	0.59	1.8	0.67	0.56	0.66	0.74	0.65	0.65
28	1.0	---	---	0.78	0.85	2.2	0.68	2.6	0.67	0.71	0.76	0.66
29	---	0.78	---	0.78	0.67	0.83	0.68	1.3	0.68	0.73	0.59	1.2
30	---	---	---	0.78	---	4.9	1.8	0.67	0.66	0.73	0.59	0.90
31	0.78	---	---	0.78	---	1.3	---	0.59	---	0.76	1.3	---
TOTAL	---	---	---	---	23.55	35.85	25.35	25.50	21.92	39.07	---	26.07
MEAN	---	---	---	---	0.81	1.16	0.84	0.82	0.73	1.26	---	0.87
MAX	---	---	---	---	2.3	4.9	2.3	3.2	1.7	11	---	2.6
MIN	---	---	---	---	0.59	0.65	0.67	0.56	0.58	0.66	---	0.59
MED	---	---	---	---	0.68	0.77	0.74	0.67	0.66	0.74	---	0.68
AC-FT	---	---	---	---	47	71	50	51	43	77	---	52
CFSM	---	---	---	---	1.69	2.41	1.76	1.71	1.52	2.63	---	1.81
IN.	---	---	---	---	1.83	2.78	1.96	1.98	1.70	3.03	---	2.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1996, BY WATER YEAR (WY)

MEAN	0.73	0.92	1.03	1.12	1.23	1.47	1.24	1.07	0.90	1.07	0.97	0.84
MAX	0.77	1.32	1.34	1.74	1.70	2.16	2.04	1.22	1.03	1.63	1.21	0.99
(WY)	(1986)	(1987)	(1987)	(1987)	(1986)	(1984)	(1984)	(1985)	(1984)	(1984)	(1986)	(1984)
MIN	0.68	0.50	0.58	0.68	0.70	1.06	0.84	0.82	0.73	0.76	0.86	0.68
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1985)	(1996)	(1996)	(1996)	(1986)	(1985)	(1985)

SUMMARY STATISTICS	WATER YEARS 1983 - 1996	
ANNUAL MEAN	0.92	
HIGHEST ANNUAL MEAN	1.02	1986
LOWEST ANNUAL MEAN	0.82	1985
HIGHEST DAILY MEAN	14	Mar 6, 1984
LOWEST DAILY MEAN	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	May 26, 1983
MAXIMUM PEAK FLOW	186	Feb 27, 1984
MAXIMUM PEAK STAGE	7.20	Feb 27, 1984
INSTANTANEOUS LOW FLOW	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	666	
ANNUAL RUNOFF (CFSM)	1.92	
ANNUAL RUNOFF (INCHES)	26.04	
10 PERCENT EXCEEDS	1.4	
50 PERCENT EXCEEDS	0.70	
90 PERCENT EXCEEDS	0.50	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, 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	0.93	3.3	0.88	0.83	0.88	0.78	0.86	---	5.3	8.6	2.0
2	7.5	0.91	0.99	0.88	0.78	0.88	0.79	0.78	---	5.7	7.5	2.3
3	1.00	0.89	0.87	0.88	0.78	0.88	0.84	1.4	---	5.5	8.1	2.3
4	0.86	0.88	0.81	0.88	0.78	0.87	0.85	0.81	---	5.5	8.2	2.1
5	0.78	0.88	0.83	1.0	0.78	0.90	0.86	0.73	---	5.5	8.6	1.7
6	0.78	0.88	0.88	0.90	0.78	0.80	0.88	0.72	---	5.5	8.5	1.4
7	7.3	0.88	2.0	1.1	0.78	0.78	0.87	0.73	---	8.1	8.3	1.2
8	14	1.2	0.93	0.90	0.87	0.78	0.84	0.79	---	6.8	8.3	1.1
9	1.5	0.88	0.88	3.4	0.78	0.81	0.85	0.85	---	7.7	8.5	0.82
10	1.1	0.88	0.88	1.0	0.78	0.85	0.85	0.75	0.88	7.7	8.6	3.6
11	0.98	0.88	0.88	0.88	0.78	0.81	0.86	0.74	0.88	7.5	8.5	1.4
12	0.96	0.88	0.88	0.88	0.78	0.88	0.90	0.77	0.88	7.5	8.3	0.88
13	0.91	0.88	0.88	0.83	2.2	0.86	0.97	0.77	0.88	7.5	8.3	0.88
14	0.88	0.88	0.88	0.80	7.4	1.1	0.96	0.76	0.88	7.0	8.3	0.88
15	0.88	0.88	0.88	0.78	2.3	0.86	0.88	0.76	0.88	6.9	9.3	0.88
16	0.88	0.88	0.88	1.3	1.0	0.81	0.87	0.91	1.6	6.5	8.7	0.88
17	0.88	0.88	1.2	0.80	0.90	0.84	0.86	0.50	1.5	6.0	8.5	0.88
18	0.88	0.88	1.8	0.88	0.88	0.87	0.87	0.52	2.2	5.7	8.3	0.82
19	0.97	0.89	1.8	0.88	0.88	1.00	0.89	0.62	1.8	6.1	8.3	0.88
20	0.88	0.95	0.91	1.0	0.88	1.2	0.88	0.61	2.2	6.2	8.3	0.88
21	0.89	1.5	0.88	1.0	0.88	1.7	0.89	0.56	2.3	6.5	21	0.88
22	0.88	0.95	0.88	0.88	1.7	0.93	0.88	0.57	2.3	6.9	7.4	0.88
23	0.90	0.88	0.88	0.89	0.98	0.88	7.4	0.58	2.5	6.2	6.8	0.88
24	0.88	0.88	0.88	0.88	1.3	0.85	0.81	2.3	3.8	6.2	6.9	0.91
25	0.88	0.88	1.2	3.5	1.3	0.86	0.68	6.1	3.0	6.2	7.0	1.7
26	0.88	0.89	0.84	0.95	0.95	0.85	0.79	0.99	2.7	6.2	7.0	2.8
27	0.89	0.81	0.84	0.86	0.88	0.88	4.8	0.71	2.6	6.2	6.6	4.4
28	0.89	0.87	0.88	0.82	0.88	0.81	4.1	---	3.5	6.8	6.2	3.8
29	0.92	0.88	0.88	0.85	---	0.87	1.0	---	4.5	6.5	4.8	3.8
30	0.93	0.88	0.88	1.9	---	0.87	0.88	---	5.3	6.2	3.2	3.8
31	0.93	---	0.88	0.88	---	0.82	---	---	---	6.7	2.3	---
TOTAL	55.09	27.51	33.28	34.26	34.81	27.98	39.58	---	---	200.8	247.2	51.63
MEAN	1.78	0.92	1.07	1.11	1.24	0.90	1.32	---	---	6.48	7.97	1.72
MAX	14	1.5	3.3	3.5	7.4	1.7	7.4	---	---	8.1	21	4.4
MIN	0.78	0.81	0.81	0.78	0.78	0.78	0.68	---	---	5.3	2.3	0.82
MED	0.89	0.88	0.88	0.88	0.88	0.87	0.87	---	---	6.2	8.3	1.1
AC-FT	109	55	66	68	69	55	79	---	---	398	490	102
CFSM	3.70	1.91	2.24	2.30	2.59	1.88	2.75	---	---	13.5	16.6	3.59
IN.	4.27	2.13	2.58	2.66	2.70	2.17	3.07	---	---	15.56	19.16	4.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1997, BY WATER YEAR (WY)

MEAN	0.94	0.92	1.04	1.12	1.23	1.37	1.25	1.07	0.90	1.97	2.37	0.99
MAX	1.78	1.32	1.34	1.74	1.70	2.16	2.04	1.22	1.03	6.48	7.97	1.72
(WY)	(1997)	(1987)	(1987)	(1987)	(1986)	(1984)	(1984)	(1985)	(1984)	(1997)	(1997)	(1997)
MIN	0.68	0.50	0.58	0.68	0.70	0.90	0.84	0.82	0.73	0.76	0.86	0.68
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1997)	(1996)	(1996)	(1996)	(1986)	(1985)	(1985)

SUMMARY STATISTICS	WATER YEARS 1983 - 1997	
ANNUAL MEAN	0.92	
HIGHEST ANNUAL MEAN	1.02	1986
LOWEST ANNUAL MEAN	0.82	1985
HIGHEST DAILY MEAN	21	Aug 21, 1997
LOWEST DAILY MEAN	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	May 26, 1983
MAXIMUM PEAK FLOW	241	Aug 21, 1997
MAXIMUM PEAK STAGE	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	666	
ANNUAL RUNOFF (CFSM)	1.92	
ANNUAL RUNOFF (INCHES)	26.04	
10 PERCENT EXCEEDS	1.4	
50 PERCENT EXCEEDS	0.70	
90 PERCENT EXCEEDS	0.50	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	2.1	1.1	0.99	0.99	1.1	1.2	1.1	0.87	0.79	1.5	0.75
2	3.8	3.9	1.0	0.99	4.2	1.1	1.2	1.1	0.83	0.81	1.1	3.0
3	3.8	0.88	0.99	0.99	2.0	1.1	1.2	1.2	0.80	0.68	0.92	19
4	3.8	0.99	1.1	0.99	1.3	1.1	1.2	1.2	0.78	0.67	0.85	1.4
5	3.8	0.97	1.1	0.99	1.2	1.3	1.2	1.1	0.77	0.66	0.83	1.1
6	3.8	0.97	1.0	0.99	1.2	1.1	1.2	1.1	0.79	0.66	0.83	3.6
7	3.8	2.2	0.99	0.99	1.1	8.7	1.2	1.9	0.83	0.68	1.3	1.4
8	3.7	1.6	1.00	2.2	1.1	11	1.3	0.89	0.84	0.90	1.9	1.1
9	2.6	1.6	1.4	1.1	1.1	3.1	1.3	0.90	0.78	2.6	2.6	0.99
10	1.5	1.4	1.1	0.99	1.1	1.7	1.2	0.87	0.80	0.74	1.0	0.90
11	1.2	0.78	1.0	0.99	1.2	1.5	1.4	0.85	0.78	0.68	0.84	0.88
12	0.91	1.4	1.1	0.99	1.1	1.3	1.4	0.85	0.79	0.65	0.77	0.88
13	0.79	4.5	1.1	1.0	1.1	1.3	1.3	0.85	0.79	1.4	0.79	0.86
14	0.78	1.8	1.5	1.1	1.1	1.3	1.2	0.85	0.78	4.4	0.84	0.85
15	0.77	0.97	1.0	3.7	1.4	1.3	1.2	0.86	0.79	1.0	0.84	0.84
16	0.77	0.88	0.99	1.3	7.0	1.3	1.2	0.85	0.79	0.72	0.84	0.83
17	0.78	0.88	0.99	1.1	3.6	1.3	1.2	0.85	0.80	3.3	0.84	1.4
18	0.78	0.88	0.99	0.99	1.3	1.4	1.2	0.85	3.9	0.98	0.96	0.92
19	0.77	0.88	0.99	1.0	1.2	1.7	1.8	0.84	0.88	0.77	1.0	0.88
20	0.76	0.88	0.99	0.99	1.1	1.4	1.2	0.84	0.72	4.1	0.83	2.7
21	0.75	0.88	1.0	0.99	1.1	1.2	1.2	0.84	0.68	0.94	0.77	2.6
22	0.75	0.88	3.7	1.0	5.4	1.2	1.2	0.83	0.68	0.76	4.5	1.5
23	0.77	0.88	0.98	4.8	1.7	1.2	1.2	0.83	0.67	1.0	1.2	1.2
24	1.4	0.88	3.4	1.3	1.4	1.2	1.1	0.83	0.71	0.79	0.84	1.1
25	1.0	0.88	1.3	1.1	1.3	1.2	1.1	0.83	0.89	1.3	0.75	1.0
26	0.88	0.88	1.0	1.1	1.2	1.2	1.1	0.83	0.91	1.9	0.73	0.94
27	3.1	0.88	1.5	1.3	1.4	1.2	1.1	2.1	0.72	6.4	0.69	0.92
28	0.96	0.88	1.1	1.0	1.1	1.2	1.1	0.85	0.66	1.8	0.71	1.0
29	0.91	3.0	1.1	0.99	---	1.2	1.1	0.84	0.66	1.8	0.73	9.9
30	0.95	1.8	0.99	0.99	---	1.2	1.1	0.83	0.69	1.2	0.75	14
31	1.7	---	0.99	0.99	---	1.2	---	2.2	---	0.98	0.74	---
TOTAL	55.88	42.30	38.49	39.94	49.99	58.3	36.6	31.66	26.38	46.06	33.79	78.44
MEAN	1.80	1.41	1.24	1.29	1.79	1.88	1.22	1.02	0.88	1.49	1.09	2.61
MAX	3.8	4.5	3.7	4.8	7.0	11	1.8	2.2	3.9	6.4	4.5	19
MIN	0.75	0.78	0.98	0.99	0.99	1.1	1.1	0.83	0.66	0.65	0.69	0.75
MED	0.96	0.92	1.0	0.99	1.2	1.2	1.2	0.85	0.79	0.94	0.84	1.1
AC-FT	111	84	76	79	99	116	73	63	52	91	67	156
CFSM	3.76	2.94	2.59	2.68	3.72	3.92	2.54	2.13	1.83	3.10	2.27	5.45
IN.	4.33	3.28	2.98	3.10	3.87	4.52	2.84	2.45	2.04	3.57	2.62	6.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1998, BY WATER YEAR (WY)

MEAN	1.08	1.02	1.08	1.15	1.31	1.44	1.25	1.06	0.90	1.90	2.16	1.22
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.03	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(1984)	(1997)	(1997)	(1998)
MIN	0.68	0.50	0.58	0.68	0.70	0.90	0.84	0.82	0.73	0.76	0.86	0.68
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1997)	(1996)	(1996)	(1996)	(1986)	(1985)	(1985)

SUMMARY STATISTICS	FOR 1998 WATER YEAR		WATER YEARS 1983 - 1998	
ANNUAL TOTAL	537.83			
ANNUAL MEAN	1.47		1.10	
HIGHEST ANNUAL MEAN			1.47	1998
LOWEST ANNUAL MEAN			0.82	1985
HIGHEST DAILY MEAN	19	Sep 3	21	Aug 21, 1997
LOWEST DAILY MEAN	0.65	Jul 12	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.71	Jul 1	0.00	May 26, 1983
MAXIMUM PEAK FLOW	169	Sep 29	241	Aug 21, 1997
MAXIMUM PEAK STAGE	6.98	Sep 29	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW	0.59	Nov 2	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	1,070		800	
ANNUAL RUNOFF (CFSM)	3.07		2.30	
ANNUAL RUNOFF (INCHES)	41.68		31.26	
10 PERCENT EXCEEDS	2.6		1.8	
50 PERCENT EXCEEDS	1.0		0.87	
90 PERCENT EXCEEDS	0.77		0.56	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	0.99	0.99	0.99	0.90	0.95	1.7	0.94	0.62	2.8	0.65	0.74
2	1.6	0.99	0.99	1.8	0.88	0.88	0.79	0.96	0.61	0.73	0.65	0.74
3	1.4	1.0	0.99	1.00	1.1	1.3	0.78	0.93	0.61	0.61	0.85	0.73
4	1.3	1.0	0.99	0.88	0.90	0.95	0.78	0.85	0.61	0.59	0.57	0.67
5	1.3	1.0	0.99	0.88	0.88	0.88	0.78	0.88	0.62	0.58	0.54	0.67
6	1.2	1.0	0.99	0.88	0.88	0.88	0.78	0.86	0.63	0.90	0.52	0.65
7	1.2	1.0	1.0	0.88	0.88	0.88	0.78	4.5	0.66	0.76	0.54	0.65
8	1.2	1.0	1.0	0.88	0.88	0.88	0.78	0.73	0.65	0.65	0.72	0.64
9	1.2	1.1	1.0	1.5	0.88	1.3	0.78	0.71	0.65	0.74	0.70	1.3
10	1.1	1.1	1.1	0.92	0.88	0.94	0.78	0.63	0.66	0.82	0.56	0.65
11	1.1	1.2	1.1	0.88	0.92	0.96	0.78	0.61	1.4	0.64	1.2	0.55
12	1.1	1.1	1.2	0.89	0.88	0.94	0.78	0.97	1.2	1.8	0.55	0.53
13	1.1	1.1	1.1	0.89	0.88	0.96	0.78	0.85	0.68	1.1	1.1	0.52
14	1.1	1.1	1.1	0.89	0.95	3.1	0.78	0.63	0.65	2.5	0.84	0.50
15	1.1	1.1	1.1	0.88	0.94	0.75	0.78	0.59	1.8	2.4	2.8	0.50
16	1.1	1.8	1.1	0.88	0.99	0.72	0.78	0.59	0.95	0.93	0.91	0.50
17	1.1	0.92	1.1	0.88	1.00	0.69	0.78	0.59	1.6	0.68	0.65	0.50
18	1.1	0.88	1.1	0.92	1.9	0.94	0.78	0.59	0.64	1.8	0.62	0.53
19	1.1	0.94	1.1	0.88	0.88	0.69	0.84	0.59	0.59	0.65	0.64	1.1
20	1.1	0.99	1.1	0.94	0.88	0.78	0.84	0.59	0.59	0.61	0.61	0.76
21	1.1	0.99	1.1	0.99	0.88	0.82	0.83	0.59	0.80	0.59	0.62	0.59
22	1.2	0.99	1.2	1.0	0.88	0.69	0.83	0.64	0.64	0.60	0.63	0.58
23	1.1	0.99	1.1	3.4	0.88	0.69	0.82	0.64	0.67	0.63	0.66	0.56
24	1.1	1.0	1.1	1.1	0.88	0.69	0.82	0.64	0.79	0.64	0.68	0.55
25	1.1	1.0	1.1	0.91	0.88	1.2	0.83	0.64	0.71	0.66	0.68	0.54
26	1.1	1.0	1.9	0.88	0.95	0.73	0.83	0.86	0.70	0.64	0.69	1.1
27	0.99	1.0	0.99	0.88	0.88	0.68	0.81	0.66	1.2	0.64	0.73	1.3
28	0.99	1.1	0.99	0.88	1.5	0.68	0.87	0.97	1.1	0.67	0.74	0.71
29	1.0	0.99	1.0	0.88	---	0.68	0.86	0.83	0.88	0.64	0.74	0.65
30	0.99	0.99	0.99	0.88	---	0.68	0.84	0.65	1.5	0.63	0.74	0.61
31	0.99	---	0.99	0.88	---	0.73	---	0.59	---	0.65	0.73	---
TOTAL	36.46	31.36	33.60	32.22	27.01	28.64	24.99	26.30	25.41	29.28	23.86	20.62
MEAN	1.18	1.05	1.08	1.04	0.96	0.92	0.83	0.85	0.85	0.94	0.77	0.69
MAX	2.3	1.8	1.9	3.4	1.9	3.1	1.7	4.5	1.8	2.8	2.8	1.3
MIN	0.99	0.88	0.99	0.88	0.88	0.68	0.78	0.59	0.59	0.58	0.52	0.50
MED	1.1	1.0	1.1	0.88	0.88	0.88	0.78	0.65	0.67	0.65	0.68	0.65
AC-FT	72	62	67	64	54	57	50	52	50	58	47	41
CFSM	2.45	2.18	2.26	2.17	2.01	1.92	1.74	1.77	1.76	1.97	1.60	1.43
IN.	2.83	2.43	2.60	2.50	2.09	2.22	1.94	2.04	1.97	2.27	1.85	1.60

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1999, BY WATER YEAR (WY)

MEAN	1.10	1.02	1.08	1.13	1.26	1.38	1.20	1.03	0.89	1.78	1.96	1.15
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.03	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(1984)	(1997)	(1997)	(1998)
MIN	0.68	0.50	0.58	0.68	0.70	0.90	0.83	0.82	0.73	0.76	0.77	0.68
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1997)	(1999)	(1996)	(1996)	(1986)	(1999)	(1985)

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1983 - 1999	
ANNUAL TOTAL	502.58		339.75			
ANNUAL MEAN	1.38		0.93		1.06	
HIGHEST ANNUAL MEAN					1.47	1998
LOWEST ANNUAL MEAN					0.82	1985
HIGHEST DAILY MEAN	19	Sep 3	4.5	May 7	21	Aug 21, 1997
LOWEST DAILY MEAN	0.65	Jul 12	0.50	Sep 14	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.71	Jul 1	0.51	Sep 12	0.00	May 26, 1983
MAXIMUM PEAK FLOW			79	May 7	241	Aug 21, 1997
MAXIMUM PEAK STAGE			5.51	May 7	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW			0.50	May 10	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	997		674		769	
ANNUAL RUNOFF (CFSM)	2.87		1.94		2.21	
ANNUAL RUNOFF (INCHES)	38.95		26.33		30.03	
10 PERCENT EXCEEDS	1.8		1.2		1.5	
50 PERCENT EXCEEDS	1.1		0.88		0.88	
90 PERCENT EXCEEDS	0.79		0.61		0.58	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.63	5.5	0.68	0.82	0.64	0.43	0.70	0.55	0.50	0.53	0.64	0.38
2	0.63	0.85	0.68	0.78	0.59	0.42	0.65	0.50	0.50	0.50	1.7	0.91
3	0.67	0.67	0.69	0.78	0.59	0.42	0.59	0.49	0.50	0.50	1.1	0.50
4	0.58	0.65	0.76	1.0	0.59	0.42	0.64	0.50	0.50	0.50	2.6	0.48
5	0.59	0.63	0.69	0.78	0.59	0.42	0.59	0.50	0.50	0.50	0.56	0.58
6	0.52	0.61	0.69	0.78	0.60	0.44	0.58	0.50	0.40	0.50	0.50	6.4
7	0.50	0.61	0.68	0.78	0.59	0.47	0.59	0.50	0.06	0.50	0.48	0.65
8	0.50	0.60	0.68	0.78	0.65	0.49	0.59	0.51	0.48	0.50	0.48	0.53
9	0.52	0.60	0.68	0.78	0.66	0.50	0.52	0.52	0.49	0.49	2.3	0.50
10	0.55	0.61	1.0	2.3	0.68	0.50	0.53	0.55	0.49	0.48	0.76	0.47
11	0.59	0.61	0.69	0.56	0.68	0.68	0.54	0.57	0.50	0.48	1.2	0.47
12	0.59	0.60	0.68	0.52	0.68	0.53	0.55	0.57	0.53	0.54	0.53	0.47
13	0.59	0.60	0.89	0.50	0.68	0.50	0.56	0.57	0.51	2.0	0.49	0.47
14	0.65	0.68	0.72	0.50	8.0	0.50	0.59	0.56	0.50	0.50	0.49	0.48
15	0.68	0.68	0.68	0.54	0.60	0.50	0.59	0.55	0.51	0.49	0.50	0.48
16	0.68	0.68	0.68	0.50	0.50	1.0	0.56	0.55	0.52	0.47	0.50	0.50
17	0.66	0.68	0.68	0.50	0.50	0.52	0.55	0.56	0.56	0.46	0.50	1.3
18	0.68	0.68	0.69	0.56	0.50	0.50	0.54	0.56	0.59	0.46	0.53	1.1
19	0.68	0.68	0.81	0.63	0.72	0.93	0.53	0.56	0.59	0.46	0.56	0.56
20	0.68	0.73	0.71	0.59	0.44	1.2	0.56	0.56	0.81	0.50	0.50	0.57
21	0.68	0.77	1.2	0.59	0.42	0.59	0.56	0.56	0.72	0.45	5.4	0.60
22	0.68	0.75	0.83	0.59	0.42	0.61	0.54	0.69	0.54	0.45	0.61	6.5
23	0.68	0.76	0.78	1.4	0.44	0.59	0.58	0.56	0.68	0.50	0.38	0.82
24	0.68	0.75	0.78	2.1	0.47	0.59	7.0	0.51	0.66	0.51	0.34	0.66
25	0.68	0.74	0.78	0.63	0.50	0.59	0.74	0.50	0.60	0.53	0.35	0.59
26	0.68	0.75	0.78	0.59	0.50	2.4	0.53	0.51	1.1	0.55	0.34	0.58
27	0.68	0.68	0.78	0.59	2.4	1.1	0.50	0.51	0.70	0.50	0.34	0.59
28	0.68	0.68	0.78	0.62	0.52	0.70	0.65	0.50	0.59	4.0	0.34	0.56
29	0.68	0.68	0.78	0.59	0.49	0.67	0.65	0.50	0.71	0.53	0.34	0.53
30	0.68	0.68	0.78	0.87	---	7.4	0.62	0.50	0.61	0.42	0.34	0.59
31	0.68	---	0.82	0.59	---	1.0	---	0.50	---	0.42	0.34	---
TOTAL	19.65	25.19	23.55	24.14	25.64	27.61	23.92	16.57	16.95	20.22	26.04	29.82
MEAN	0.63	0.84	0.76	0.78	0.88	0.89	0.80	0.53	0.56	0.65	0.84	0.99
MAX	0.68	5.5	1.2	2.3	8.0	7.4	7.0	0.69	1.1	4.0	5.4	6.5
MIN	0.50	0.60	0.68	0.50	0.42	0.42	0.50	0.49	0.06	0.42	0.34	0.38
MED	0.68	0.68	0.72	0.62	0.59	0.53	0.58	0.52	0.52	0.50	0.50	0.56
AC-FT	39	50	47	48	51	55	47	33	34	40	52	59
CFSM	1.32	1.75	1.58	1.62	1.84	1.86	1.66	1.11	1.18	1.36	1.75	2.07
IN.	1.52	1.95	1.83	1.87	1.99	2.14	1.85	1.28	1.31	1.57	2.02	2.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2000, BY WATER YEAR (WY)

MEAN	1.04	1.00	1.04	1.08	1.22	1.33	1.15	0.97	0.85	1.65	1.82	1.14
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.03	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(1984)	(1997)	(1997)	(1998)
MIN	0.63	0.50	0.58	0.68	0.70	0.89	0.80	0.53	0.56	0.65	0.77	0.68
(WY)	(2000)	(1985)	(1985)	(1985)	(1985)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)	(1985)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1983 - 2000	
ANNUAL TOTAL	306.72		279.30			
ANNUAL MEAN	0.84		0.76		1.00	
HIGHEST ANNUAL MEAN					1.47	1998
LOWEST ANNUAL MEAN					0.76	2000
HIGHEST DAILY MEAN	5.5	Nov 1	8.0	Feb 14	21	Aug 21, 1997
LOWEST DAILY MEAN	0.50	Sep 14	0.06	Jun 7	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.51	Sep 12	0.34	Aug 24	0.00	May 26, 1983
MAXIMUM PEAK FLOW			184	Feb 14	241	Aug 21, 1997
MAXIMUM PEAK STAGE			7.17	Feb 14	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW			0.05	Jun 7	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	608		554		725	
ANNUAL RUNOFF (CFSM)	1.75		1.59		2.09	
ANNUAL RUNOFF (INCHES)	23.77		21.65		28.34	
10 PERCENT EXCEEDS	1.0		0.82		1.4	
50 PERCENT EXCEEDS	0.73		0.59		0.78	
90 PERCENT EXCEEDS	0.59		0.48		0.50	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.57	0.59	1.0	0.68	0.80	0.82	0.74	0.55	0.77	0.51	0.53	0.50
2	0.57	0.59	1.1	0.68	0.68	0.59	0.71	0.55	0.55	0.47	0.67	0.63
3	0.59	0.59	1.1	0.68	0.68	0.59	0.68	0.54	0.50	0.43	0.51	0.69
4	0.59	0.59	0.99	0.68	0.68	2.2	0.97	0.54	0.48	0.42	0.50	2.9
5	0.59	0.63	0.99	0.68	0.68	0.68	0.65	0.54	0.47	0.41	3.2	0.77
6	2.3	0.65	0.99	0.68	0.68	0.68	0.59	0.54	0.53	0.40	1.8	0.61
7	0.63	0.66	0.99	0.68	0.68	0.68	0.59	0.52	0.48	0.40	0.81	0.56
8	0.59	0.68	0.99	0.94	0.68	0.68	0.59	0.55	0.50	0.43	1.9	0.62
9	0.59	0.82	0.99	0.63	0.68	1.00	0.59	0.50	0.77	0.40	0.73	0.56
10	0.59	0.67	0.99	0.63	0.70	0.69	0.59	0.51	3.2	0.40	0.68	0.51
11	0.59	0.64	0.99	0.71	0.68	0.68	0.57	0.51	4.4	0.40	0.61	0.68
12	0.59	0.62	0.90	1.4	0.68	2.3	0.56	0.52	27	0.40	0.57	0.60
13	0.59	0.59	0.94	0.61	0.68	1.4	0.57	0.50	1.7	0.44	0.55	0.51
14	0.59	0.48	0.96	0.59	0.68	0.60	0.59	0.50	1.1	0.42	3.1	0.50
15	0.59	0.20	0.99	0.59	0.68	1.9	0.57	0.51	0.75	0.40	0.85	0.50
16	0.59	0.20	1.9	0.69	0.68	0.69	0.56	0.50	0.56	0.41	0.58	0.50
17	0.59	0.70	1.2	0.78	0.68	0.59	0.55	0.49	0.48	0.42	0.56	0.50
18	0.59	0.49	0.82	0.78	0.68	1.4	0.52	0.51	0.46	0.41	0.53	0.50
19	1.0	1.0	0.87	1.1	0.68	0.87	0.56	0.50	0.46	2.3	0.54	0.50
20	1.00	0.72	0.71	0.83	0.68	1.7	0.57	0.51	0.49	2.1	0.53	0.50
21	0.50	0.62	0.68	0.64	0.68	0.85	0.57	0.53	0.42	0.62	0.52	0.50
22	0.50	0.59	0.68	0.61	0.73	0.84	0.57	0.92	0.93	0.50	0.50	0.50
23	0.50	0.64	0.68	0.59	0.71	0.77	0.56	0.55	0.53	0.55	0.52	1.4
24	0.50	0.91	0.68	0.59	0.95	0.76	0.56	0.48	0.42	2.7	0.51	2.9
25	0.50	5.6	0.68	0.60	0.68	0.83	0.59	0.48	0.39	0.72	0.50	0.92
26	0.50	2.0	0.68	0.60	0.68	0.68	0.56	0.49	0.40	0.55	0.62	0.59
27	0.51	1.3	0.67	0.66	0.61	0.76	0.54	0.49	1.4	0.50	0.50	0.59
28	0.52	1.1	2.6	0.68	0.68	0.94	0.55	1.1	0.49	0.50	0.50	0.59
29	0.53	1.1	0.95	0.68	---	5.3	0.53	0.84	6.4	0.50	0.50	0.59
30	0.57	1.0	0.71	1.2	---	1.1	0.55	0.56	0.76	0.56	0.50	0.59
31	0.57	---	0.68	1.2	---	0.96	---	0.51	---	0.52	0.50	---
TOTAL	20.03	26.97	30.10	23.09	19.46	34.53	17.90	17.34	57.79	20.19	25.42	22.81
MEAN	0.65	0.90	0.97	0.74	0.70	1.11	0.60	0.56	1.93	0.65	0.82	0.76
MAX	2.3	5.6	2.6	1.4	0.95	5.3	0.97	1.1	27	2.7	3.2	2.9
MIN	0.50	0.20	0.67	0.59	0.61	0.59	0.52	0.48	0.39	0.40	0.50	0.50
MED	0.59	0.65	0.96	0.68	0.68	0.82	0.57	0.51	0.53	0.44	0.54	0.59
AC-FT	40	53	60	46	39	68	36	34	115	40	50	45
CFSM	1.35	1.87	2.02	1.55	1.45	2.32	1.24	1.17	4.01	1.36	1.71	1.58
IN.	1.55	2.09	2.33	1.79	1.51	2.68	1.39	1.34	4.48	1.56	1.97	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2001, BY WATER YEAR (WY)

MEAN	0.99	0.98	1.03	1.04	1.17	1.30	1.10	0.92	0.97	1.55	1.71	1.10
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.93	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(2001)	(1997)	(1997)	(1998)
MIN	0.63	0.50	0.58	0.68	0.70	0.89	0.60	0.53	0.56	0.65	0.77	0.68
(WY)	(2000)	(1985)	(1985)	(1985)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)	(1999)	(1985)

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1983 - 2001	
ANNUAL TOTAL	288.01		315.63			
ANNUAL MEAN	0.79		0.86		0.98	
HIGHEST ANNUAL MEAN					1.47	1998
LOWEST ANNUAL MEAN					0.76	2000
HIGHEST DAILY MEAN	8.0	Feb 14	27	Jun 12	27	Jun 12, 2001
LOWEST DAILY MEAN	0.06	Jun 7	0.20	Nov 15	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.34	Aug 24	0.40	Jul 6	0.00	May 26, 1983
MAXIMUM PEAK FLOW			222	Jun 12	241	Aug 21, 1997
MAXIMUM PEAK STAGE			7.61	Jun 12	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW			0.20	Nov 14	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	571		626		709	
ANNUAL RUNOFF (CFSM)	1.64		1.80		2.04	
ANNUAL RUNOFF (INCHES)	22.32		24.46		27.70	
10 PERCENT EXCEEDS	1.0		1.1		1.4	
50 PERCENT EXCEEDS	0.58		0.60		0.74	
90 PERCENT EXCEEDS	0.47		0.49		0.50	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.59	0.48	---	---	---	---	---	---	---	---	---	---
2	0.59	0.50	---	---	---	---	---	---	---	---	---	---
3	0.59	0.50	---	---	---	---	---	---	---	---	---	---
4	0.59	0.50	---	---	---	---	---	---	---	---	---	---
5	0.59	0.49	---	---	---	---	---	---	---	---	---	---
6	2.6	0.50	---	---	---	---	---	---	---	---	---	---
7	0.62	0.50	---	---	---	---	---	---	---	---	---	---
8	0.58	0.49	---	---	---	---	---	---	---	---	---	---
9	0.58	0.50	---	---	---	---	---	---	---	---	---	---
10	0.53	0.50	---	---	---	---	---	---	---	---	---	---
11	0.51	0.50	---	---	---	---	---	---	---	---	---	---
12	0.51	0.50	---	---	---	---	---	---	---	---	---	---
13	0.54	0.50	---	---	---	---	---	---	---	---	---	---
14	3.7	0.50	---	---	---	---	---	---	---	---	---	---
15	0.59	0.50	---	---	---	---	---	---	---	---	---	---
16	0.46	0.50	---	---	---	---	---	---	---	---	---	---
17	0.42	0.50	---	---	---	---	---	---	---	---	---	---
18	0.42	0.50	---	---	---	---	---	---	---	---	---	---
19	0.42	0.50	---	---	---	---	---	---	---	---	---	---
20	0.43	0.50	---	---	---	---	---	---	---	---	---	---
21	0.43	0.50	---	---	---	---	---	---	---	---	---	---
22	0.42	---	---	---	---	---	---	---	---	---	---	---
23	0.44	---	---	---	---	---	---	---	---	---	---	---
24	0.49	---	---	---	---	---	---	---	---	---	---	---
25	0.48	---	---	---	---	---	---	---	---	---	---	---
26	0.42	---	---	---	---	---	---	---	---	---	---	---
27	0.42	---	---	---	---	---	---	---	---	---	---	---
28	0.47	---	---	---	---	---	---	---	---	---	---	---
29	0.50	---	---	---	---	---	---	---	---	---	---	---
30	0.50	---	---	---	---	---	---	---	---	---	---	---
31	0.50	---	---	---	---	---	---	---	---	---	---	---
TOTAL	20.93	---	---	---	---	---	---	---	---	---	---	---
MEAN	0.68	---	---	---	---	---	---	---	---	---	---	---
MAX	3.7	---	---	---	---	---	---	---	---	---	---	---
MIN	0.42	---	---	---	---	---	---	---	---	---	---	---
MED	0.50	---	---	---	---	---	---	---	---	---	---	---
AC-FT	42	---	---	---	---	---	---	---	---	---	---	---
CFSM	1.41	---	---	---	---	---	---	---	---	---	---	---
IN.	1.62	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2002, BY WATER YEAR (WY)

MEAN	0.96	0.98	1.03	1.04	1.17	1.30	1.10	0.92	0.97	1.55	1.71	1.10
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.93	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(2001)	(1997)	(1997)	(1998)
MIN	0.63	0.50	0.58	0.68	0.70	0.89	0.60	0.53	0.56	0.65	0.77	0.68
(WY)	(2000)	(1985)	(1985)	(1985)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)	(1999)	(1985)

SUMMARY STATISTICS	WATER YEARS 1983 - 2002	
ANNUAL MEAN	0.98	
HIGHEST ANNUAL MEAN	1.47	1998
LOWEST ANNUAL MEAN	0.76	2000
HIGHEST DAILY MEAN	27	Jun 12, 2001
LOWEST DAILY MEAN	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	May 26, 1983
MAXIMUM PEAK FLOW	241	Aug 21, 1997
MAXIMUM PEAK STAGE	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	709	
ANNUAL RUNOFF (CFSM)	2.04	
ANNUAL RUNOFF (INCHES)	27.70	
10 PERCENT EXCEEDS	1.4	
50 PERCENT EXCEEDS	0.74	
90 PERCENT EXCEEDS	0.50	

02326372 PALMER MILL BRANCH AT MONTICELLO, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	1.3	0.68	3.6	0.78	0.71	0.64	1.4	1.2	1.3
2	---	---	---	0.70	0.68	1.8	0.78	0.71	0.64	1.5	0.75	1.3
3	---	---	---	0.61	0.72	1.1	0.78	0.71	2.1	0.84	0.72	1.3
4	---	---	---	0.59	0.75	1.8	0.80	0.73	2.9	1.6	0.74	1.3
5	---	---	---	0.59	0.59	0.88	0.81	0.72	1.9	0.74	0.76	2.0
6	---	---	---	0.59	2.6	0.80	0.84	0.73	1.6	2.4	1.1	1.7
7	---	---	---	0.59	1.1	11	0.81	0.72	3.7	0.82	1.2	1.2
8	---	---	---	0.59	0.51	1.5	4.8	0.72	1.6	0.74	0.81	1.2
9	---	---	---	0.59	0.55	4.8	2.9	0.72	0.92	0.66	11	1.2
10	---	---	---	0.59	0.53	1.4	1.1	0.71	0.80	0.67	4.3	1.3
11	---	---	---	0.59	0.50	1.0	0.89	0.72	0.75	0.68	1.6	1.3
12	---	---	---	0.59	0.50	0.95	0.82	0.71	0.80	0.69	2.6	1.3
13	---	---	---	0.59	0.50	2.2	0.78	0.69	2.2	0.74	1.3	1.3
14	---	---	---	0.58	0.50	1.0	0.78	0.70	0.76	0.78	1.1	1.2
15	---	---	---	0.50	0.50	0.88	0.78	0.72	0.71	0.78	2.6	1.2
16	---	---	---	0.55	3.1	0.88	0.77	0.74	0.66	0.80	1.4	1.2
17	---	---	---	0.59	0.64	1.3	0.75	0.74	0.72	0.78	1.2	1.2
18	---	---	---	0.59	0.58	0.92	0.75	0.74	1.1	0.82	1.2	1.2
19	---	---	0.46	0.59	0.50	1.0	0.74	1.2	0.80	0.99	1.2	1.2
20	---	---	1.9	0.59	0.50	1.3	0.74	0.65	10	0.65	1.2	1.1
21	---	---	0.50	0.59	0.59	1.0	0.98	0.64	1.3	0.69	1.2	1.1
22	---	---	0.50	0.61	1.1	0.83	0.77	1.6	0.83	1.7	1.6	1.1
23	---	---	0.50	0.61	0.54	0.78	0.74	0.75	0.75	0.86	1.4	1.1
24	---	---	9.4	0.63	0.50	0.78	0.77	0.68	0.73	1.2	1.3	1.1
25	---	---	0.97	0.68	0.50	0.78	1.2	0.65	0.70	0.97	1.3	2.9
26	---	---	0.71	0.68	0.56	0.78	0.78	0.63	0.68	0.68	1.3	1.1
27	---	---	0.62	0.68	8.3	0.89	0.75	0.63	0.69	0.65	2.0	0.56
28	---	---	0.59	0.68	0.84	0.78	0.72	0.61	0.73	0.65	1.3	0.52
29	---	---	0.59	0.68	---	0.78	0.72	0.60	1.4	0.96	1.7	0.50
30	---	---	0.59	0.68	---	1.1	0.71	0.60	0.78	0.73	1.2	0.50
31	---	---	3.3	0.68	---	0.78	---	0.63	---	1.3	1.3	---
TOTAL	---	---	---	19.70	29.46	49.39	30.34	22.81	43.89	29.47	53.58	36.48
MEAN	---	---	---	0.64	1.05	1.59	1.01	0.74	1.46	0.95	1.73	1.22
MAX	---	---	---	1.3	8.3	11	4.8	1.6	10	2.4	11	2.9
MIN	---	---	---	0.50	0.50	0.78	0.71	0.60	0.64	0.65	0.72	0.50
MED	---	---	---	0.59	0.57	1.0	0.78	0.71	0.80	0.78	1.3	1.2
AC-FT	---	---	---	39	58	98	60	45	87	58	106	72
CFSM	---	---	---	1.32	2.19	3.32	2.11	1.53	3.05	1.98	3.60	2.53
IN.	---	---	---	1.53	2.28	3.83	2.35	1.77	3.40	2.28	4.15	2.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2003, BY WATER YEAR (WY)

MEAN	0.96	0.98	1.03	0.99	1.16	1.33	1.09	0.90	1.02	1.50	1.71	1.11
MAX	1.80	1.41	1.34	1.74	1.79	2.16	2.04	1.22	1.93	6.48	7.97	2.61
(WY)	(1998)	(1998)	(1987)	(1987)	(1998)	(1984)	(1984)	(1985)	(2001)	(1997)	(1997)	(1998)
MIN	0.63	0.50	0.58	0.64	0.70	0.89	0.60	0.53	0.56	0.65	0.77	0.68
(WY)	(2000)	(1985)	(1985)	(2003)	(2001)	(2000)	(2001)	(2000)	(2000)	(2001)	(1999)	(1985)

SUMMARY STATISTICS	WATER YEARS 1983 - 2003	
ANNUAL MEAN	0.98	
HIGHEST ANNUAL MEAN	1.47	1998
LOWEST ANNUAL MEAN	0.76	2000
HIGHEST DAILY MEAN	27	Jun 12, 2001
LOWEST DAILY MEAN	0.00	Feb 25, 1983
ANNUAL SEVEN-DAY MINIMUM	0.00	May 26, 1983
MAXIMUM PEAK FLOW	241	Aug 21, 1997
MAXIMUM PEAK STAGE	7.82	Aug 21, 1997
INSTANTANEOUS LOW FLOW	0.00	Feb 25, 1983
ANNUAL RUNOFF (AC-FT)	709	
ANNUAL RUNOFF (CFSM)	2.04	
ANNUAL RUNOFF (INCHES)	27.70	
10 PERCENT EXCEEDS	1.4	
50 PERCENT EXCEEDS	0.74	
90 PERCENT EXCEEDS	0.50	

02329558 ST. MATHEWS CHURCH BRANCH NEAR QUINCY, FL

LOCATION.--Lat 30° 35'34", long 84° 31'18 ", in NE $^{1}/_{4}$ sec. 10, T.2N., R.3W., Gadsden County, Hydrologic Unit 03120003, at upstream side of culvert on State Road 12, and 3.6 mi east of the city hall in Quincy.

DRAINAGE AREA.--0.49 mi^2.

PERIOD OF RECORD.--October 1996 to September 1997 (fragmentary), October 1997 to September 2001, October 2001 to September 2002 (fragmentary), October 2002 to September 2003. Prior to October 2003, published as Church Branch near Quincy.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records poor.

DISCHARGE, 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	---	1.6	1.7	---	1.5	3.8	2.7	1.9	1.1	1.5	1.6	1.6
2	---	2.8	1.7	---	5.3	2.0	2.2	1.6	1.1	1.5	1.6	2.3
3	---	3.5	1.7	---	2.7	1.7	2.0	1.5	1.2	1.5	1.6	2.7
4	---	2.0	---	---	2.0	1.7	1.9	1.6	1.2	1.5	1.5	1.5
5	---	1.8	---	---	1.9	1.6	1.8	1.5	1.2	2.7	1.6	1.3
6	---	1.7	---	---	1.7	1.6	2.1	1.4	1.2	1.4	1.7	1.3
7	---	2.8	---	---	---	3.9	1.9	1.4	1.5	1.8	1.6	1.2
8	---	2.4	---	1.7	---	2.4	1.7	1.4	1.7	1.5	2.4	1.2
9	---	1.8	---	1.6	---	1.9	1.6	1.4	1.4	1.4	1.8	1.1
10	---	1.7	---	1.5	---	1.8	1.6	1.3	1.4	1.3	1.8	1.1
11	---	4.2	---	1.6	---	1.9	1.5	1.3	1.3	1.3	1.4	1.2
12	---	2.2	---	1.8	1.6	1.7	1.5	1.3	1.3	1.4	1.8	1.1
13	1.7	2.0	---	1.6	1.6	1.7	1.6	1.3	1.3	1.7	1.5	1.1
14	3.2	1.8	---	1.5	1.6	1.6	1.5	1.3	1.4	1.5	1.4	1.1
15	2.1	1.7	---	1.6	1.7	1.6	3.6	1.3	1.6	1.5	1.4	1.1
16	1.5	1.7	---	1.5	1.6	2.3	2.1	1.3	1.5	1.7	1.3	2.2
17	1.4	1.7	---	1.5	1.6	2.3	1.8	1.3	1.2	1.5	1.3	2.4
18	1.4	1.6	---	1.6	1.6	7.9	1.7	1.3	1.3	1.5	1.3	1.9
19	1.4	1.5	---	1.7	2.1	2.6	1.6	1.2	1.4	1.4	1.3	1.2
20	1.3	1.5	---	1.4	8.0	2.0	1.6	1.3	1.6	1.4	1.3	1.1
21	1.3	1.6	---	1.5	2.5	1.9	1.6	1.3	1.9	1.4	1.3	1.1
22	1.4	1.5	---	1.5	2.1	1.9	1.5	1.2	2.1	1.4	1.3	1.1
23	1.6	1.5	---	1.5	1.9	1.7	1.6	1.2	1.4	1.5	1.4	0.97
24	1.3	1.8	---	2.0	1.8	1.7	1.7	1.2	1.3	1.9	1.5	0.97
25	1.3	1.6	---	1.6	1.7	6.3	1.7	1.2	1.2	1.7	3.6	0.97
26	1.2	1.6	---	1.5	1.7	3.0	1.6	1.2	1.3	1.5	2.4	0.96
27	1.3	1.6	---	3.4	1.7	2.8	1.5	1.2	1.5	1.5	1.4	0.98
28	3.4	2.1	---	1.8	2.0	2.6	1.5	1.6	1.5	1.5	1.0	1.0
29	1.6	2.0	---	1.7	2.0	2.1	3.3	2.0	1.5	1.5	1.1	1.8
30	1.6	1.8	---	1.6	---	8.6	4.3	1.3	1.5	1.6	1.4	3.9
31	1.9	---	---	1.6	---	3.4	---	1.1	---	2.0	2.7	---
MEAN	---	1.97	---	---	---	2.71	1.94	1.37	1.40	1.56	1.62	1.45
MAX	--	4.2	--	--	--	8.6	4.3	2.0	2.1	2.7	3.6	3.9
MIN	--	1.5	--	--	--	1.6	1.5	1.1	1.1	1.3	1.0	0.96

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

MEAN	---	1.97	---	---	---	2.71	1.94	1.37	1.40	1.56	1.62	1.45
MAX	---	1.97	---	---	---	2.71	1.94	1.37	1.40	1.56	1.62	1.45
(WY)	---	(1996)	---	---	---	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)
MIN	---	1.97	---	---	---	2.71	1.94	1.37	1.40	1.56	1.62	1.45
(WY)	---	(1996)	---	---	---	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)

02329558 ST. MATTHEWS CHURCH BRANCH NEAR QUINCY, FL—Continued

DISCHARGE, 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	1.3	2.9	1.6	2.0	2.2	1.9	1.8	3.5	---	3.3	---
2	2.1	1.4	1.6	1.6	1.9	2.1	1.8	1.6	2.3	---	2.2	---
3	1.9	1.4	1.4	1.4	1.9	2.2	1.8	1.9	1.9	---	2.6	---
4	1.3	1.3	1.4	1.2	1.9	2.1	1.8	1.8	1.7	---	2.0	---
5	1.2	1.3	1.4	1.6	2.0	2.1	1.8	1.5	1.6	---	1.7	---
6	1.2	1.3	1.4	1.7	1.9	2.0	1.8	1.3	1.7	---	1.5	---
7	9.9	1.3	2.5	1.8	1.9	1.9	2.0	1.3	1.5	---	1.1	---
8	11	1.6	1.6	6.6	2.2	1.9	1.8	1.3	1.5	---	1.1	---
9	3.1	1.3	1.5	6.1	2.1	1.9	1.8	1.3	1.4	---	1.3	0.58
10	2.3	1.2	1.4	2.9	2.1	1.9	1.8	1.2	1.4	---	1.5	---
11	1.9	1.2	1.5	2.2	2.0	1.9	1.8	1.2	1.6	---	1.4	0.71
12	1.8	1.2	1.9	1.8	2.0	1.9	3.3	1.2	2.0	---	1.2	0.86
13	1.6	1.2	1.8	1.7	3.2	1.9	1.8	1.3	1.6	---	1.2	0.99
14	1.5	1.2	1.6	1.7	6.1	2.1	1.5	1.1	1.5	---	1.1	0.99
15	1.4	1.2	1.5	1.7	4.1	1.9	1.4	1.3	1.5	0.97	1.4	1.0
16	1.4	1.2	1.5	2.2	2.3	1.9	1.4	2.2	1.4	0.98	---	1.0
17	1.4	1.2	2.4	1.7	2.1	1.9	1.3	1.3	1.4	0.97	---	1.1
18	1.3	1.3	2.5	1.6	2.0	1.9	1.3	1.2	2.5	1.1	---	1.1
19	1.2	1.3	3.6	1.5	2.0	1.8	1.3	1.5	3.0	1.3	---	1.1
20	1.2	1.4	1.8	1.5	2.0	1.9	1.3	2.3	2.2	1.4	---	1.1
21	1.2	1.7	1.7	1.5	2.0	2.3	1.5	1.7	1.9	2.5	---	1.1
22	1.2	1.5	1.6	1.3	4.7	2.3	1.6	1.5	1.8	2.5	---	1.1
23	1.3	1.4	1.6	1.4	2.2	2.0	10	8.5	1.7	1.5	---	1.2
24	1.2	1.4	1.7	1.4	3.8	1.9	2.1	4.8	2.0	1.2	---	1.1
25	1.2	1.4	2.4	5.6	3.2	1.9	1.7	9.3	2.0	8.4	---	1.1
26	1.2	1.8	1.7	2.5	2.8	1.9	2.0	3.7	---	2.1	---	2.6
27	1.3	1.5	1.5	2.0	2.4	1.9	3.8	2.5	---	1.9	---	1.7
28	1.3	1.5	1.7	1.8	2.3	1.8	11	3.7	---	1.8	---	1.2
29	1.3	1.5	1.6	1.8	---	1.9	3.2	2.7	---	1.6	---	1.1
30	1.3	1.5	1.5	3.0	---	2.1	2.2	2.1	---	1.5	---	1.0
31	1.3	---	1.6	2.0	---	1.9	---	3.2	---	1.5	---	---
MEAN	2.07	1.37	1.80	2.21	2.54	1.98	2.46	2.36	---	---	---	---
MAX	11	1.8	3.6	6.6	6.1	2.3	11	9.3	--	---	--	---
MIN	1.2	1.2	1.4	1.2	1.9	1.8	1.3	1.1	--	---	--	---

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

MEAN	2.07	1.67	1.80	2.21	2.54	2.34	2.20	1.87	1.40	1.56	1.62	1.45
MAX	2.07	1.97	1.80	2.21	2.54	2.71	2.46	2.36	1.40	1.56	1.62	1.45
(WY)	(1997)	(1996)	(1997)	(1997)	(1997)	(1996)	(1997)	(1997)	(1996)	(1996)	(1996)	(1996)
MIN	2.07	1.37	1.80	2.21	2.54	1.98	1.94	1.37	1.40	1.56	1.62	1.45
(WY)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)

SUMMARY STATISTICS — WATER YEARS 1996 - 1997

HIGHEST DAILY MEAN	11	Oct 8, 1996
LOWEST DAILY MEAN	0.58	Sep 9, 1997
ANNUAL SEVEN-DAY MINIMUM	0.95	Sep 11, 1997
MAXIMUM PEAK FLOW	111	Apr 23, 1997
MAXIMUM PEAK STAGE	3.51	Apr 23, 1997
INSTANTANEOUS LOW FLOW	0.58	Sep 9, 1997

02329558 ST. MATHEWS CHURCH BRANCH NEAR QUINCY, FL

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.99	3.4	2.9	2.0	1.8	2.6	2.0	1.5	0.62	2.0	1.6	0.92
2	0.98	8.5	2.5	1.9	5.4	2.3	2.0	1.4	0.97	1.2	1.7	3.7
3	0.97	2.6	2.3	2.0	7.2	2.1	3.1	1.4	1.1	0.99	1.8	10
4	0.97	2.1	2.3	1.9	3.2	2.0	2.1	1.4	1.1	1.0	1.8	1.9
5	0.98	1.8	2.1	1.9	2.5	2.0	1.9	1.4	1.1	1.0	1.9	1.5
6	0.98	2.4	2.0	2.0	2.3	2.7	1.8	1.4	1.1	0.97	1.9	1.4
7	0.99	3.1	1.9	3.1	2.1	14	1.8	1.4	1.1	0.96	1.7	1.4
8	0.98	2.1	1.9	6.7	2.1	19	1.9	1.4	1.1	0.97	1.7	1.3
9	0.99	1.9	2.0	2.6	2.0	12	3.7	1.4	1.5	1.00	1.7	1.2
10	0.99	1.8	2.0	2.4	2.0	4.6	2.1	1.4	1.1	1.0	1.7	1.2
11	0.99	1.7	1.8	2.2	2.9	3.5	1.8	1.4	0.98	0.96	1.9	1.2
12	1.00	5.1	2.5	6.1	2.2	3.2	1.7	1.4	0.97	0.99	1.9	1.2
13	0.99	14	2.2	3.3	2.0	2.9	1.7	1.3	0.97	1.4	1.9	1.2
14	0.99	6.4	3.3	2.5	2.0	2.7	1.7	1.3	0.96	1.3	1.6	1.1
15	1.0	3.2	2.2	3.7	1.9	2.6	1.7	1.3	0.96	1.2	1.7	1.1
16	1.0	2.6	2.0	2.9	2.8	2.5	1.7	1.3	0.96	1.0	1.9	1.1
17	1.1	2.2	1.9	2.2	7.9	2.5	1.9	1.3	0.96	1.0	e2.0	1.1
18	1.1	2.1	1.9	2.1	2.7	3.8	1.8	1.3	0.96	1.1	e1.9	1.1
19	1.1	2.0	1.9	2.3	2.3	3.6	3.0	1.3	0.97	1.1	e1.7	1.1
20	1.1	2.0	1.8	2.0	2.3	3.1	2.1	1.3	1.0	1.8	e1.6	1.5
21	1.1	4.6	1.8	2.0	2.1	2.6	1.8	1.3	0.97	1.7	e1.5	6.0
22	1.2	3.2	2.0	2.1	6.1	2.4	1.7	1.3	0.99	1.8	e1.4	2.5
23	1.3	2.5	2.4	4.6	3.6	2.2	1.6	1.2	1.1	1.7	e1.2	1.7
24	2.7	2.2	6.9	2.4	2.6	2.1	1.6	1.2	1.1	1.6	e1.1	1.4
25	1.5	2.1	3.5	2.1	2.4	2.1	1.5	1.2	1.2	1.6	1.1	1.4
26	8.4	2.0	2.5	2.1	2.1	2.1	1.5	1.2	1.3	1.7	1.0	1.4
27	7.9	1.9	2.5	2.1	6.8	2.1	1.5	1.2	0.98	4.9	1.0	1.3
28	1.8	1.9	2.2	2.0	3.1	2.1	1.5	1.2	0.96	4.2	1.0	1.5
29	1.6	7.7	2.4	1.9	---	2.0	1.5	1.2	0.96	1.9	0.98	28
30	1.5	4.7	2.2	1.9	---	2.0	1.6	0.99	0.94	1.3	0.95	8.7
31	3.7	---	2.0	1.8	---	2.0	---	0.52	---	1.5	0.94	---
MEAN	1.71	3.46	2.38	2.61	3.16	3.79	1.91	1.28	1.03	1.51	1.54	3.00
MAX	8.4	14	6.9	6.7	7.9	19	3.7	1.5	1.5	4.9	2.0	28
MIN	0.97	1.7	1.8	1.8	1.8	2.0	1.5	0.52	0.62	0.96	0.94	0.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

MEAN	1.89	2.27	2.09	2.41	2.85	2.82	2.10	1.67	1.22	1.54	1.58	2.23
MAX	2.07	3.46	2.38	2.61	3.16	3.79	2.46	2.36	1.40	1.56	1.62	3.00
(WY)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1996)	(1996)	(1996)	(1998)
MIN	1.71	1.37	1.80	2.21	2.54	1.98	1.91	1.28	1.03	1.51	1.54	1.45
(WY)	(1998)	(1997)	(1997)	(1997)	(1997)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)	(1996)

SUMMARY STATISTICS	FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998	
ANNUAL MEAN	2.27		2.27	
HIGHEST ANNUAL MEAN			2.27	1998
LOWEST ANNUAL MEAN			2.27	1998
HIGHEST DAILY MEAN	28	Sep 29	28	Sep 29, 1998
LOWEST DAILY MEAN	0.52	May 31	0.52	May 31, 1998
ANNUAL SEVEN-DAY MINIMUM	0.91	May 30	0.91	May 30, 1998
MAXIMUM PEAK FLOW	163	Sep 29	163	Sep 29, 1998
MAXIMUM PEAK STAGE	4.31	Sep 29	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW	0.33	May 30	0.33	May 30, 1998
10 PERCENT EXCEEDS	3.5		3.5	
50 PERCENT EXCEEDS	1.8		1.8	
90 PERCENT EXCEEDS	0.99		0.99	

e Estimated

02329558 ST. MATTHEWS CHURCH BRANCH NEAR QUINCY, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	1.8	1.4	1.6	2.7	2.1	2.0	1.2	1.2	1.6	0.92	0.92
2	3.0	1.5	1.4	2.6	2.3	2.0	1.9	1.1	1.2	1.3	0.89	0.92
3	2.6	1.4	1.4	2.2	2.2	2.5	1.7	1.1	1.1	1.2	0.83	0.92
4	2.4	1.4	1.3	1.8	2.2	2.1	1.6	1.0	1.0	1.3	0.84	0.92
5	2.3	1.3	1.4	1.7	2.2	2.0	1.7	1.1	1.0	1.3	0.83	0.92
6	2.1	1.2	1.3	1.6	2.1	2.1	1.7	1.1	1.1	1.3	0.84	0.92
7	1.9	1.2	1.3	1.6	2.0	2.1	1.7	2.1	1.2	4.6	0.83	0.92
8	2.1	1.2	1.3	1.6	2.0	1.9	1.8	1.3	0.84	1.2	1.2	0.92
9	1.9	1.2	1.2	2.3	2.0	2.7	1.7	1.1	0.30	1.1	1.2	1.4
10	1.7	1.2	1.2	1.9	2.0	2.1	1.7	1.1	0.06	1.2	1.2	1.2
11	1.6	1.4	1.2	1.8	2.0	2.1	1.7	1.6	0.77	1.1	1.1	0.92
12	1.6	1.3	1.2	1.7	1.9	2.0	1.7	1.5	1.0	1.3	0.92	0.91
13	1.6	1.2	1.6	1.7	1.9	1.9	1.7	1.2	1.1	5.8	0.92	0.83
14	1.6	1.2	1.5	1.7	1.9	4.1	1.6	1.2	1.2	1.8	1.1	0.83
15	1.5	1.2	1.5	1.7	1.9	2.1	1.6	1.1	1.1	1.3	1.1	0.83
16	1.4	1.5	1.4	1.7	1.9	1.9	1.6	1.1	1.1	1.2	1.1	0.83
17	1.4	1.5	1.4	1.7	2.0	1.8	1.6	1.1	1.1	1.3	1.2	0.83
18	1.4	1.4	1.4	2.5	3.3	1.7	1.6	1.1	1.1	2.4	0.98	0.83
19	1.4	1.4	1.4	2.1	2.3	1.7	1.6	1.1	1.0	2.0	0.92	0.93
20	1.4	1.4	1.4	2.0	2.1	1.7	1.6	1.0	1.0	1.3	0.92	1.4
21	1.4	1.4	1.4	2.0	2.0	1.9	1.6	1.0	1.1	1.1	0.92	1.3
22	1.4	1.4	1.5	1.9	2.0	1.9	1.6	1.1	1.1	1.0	1.2	1.0
23	1.3	1.4	1.5	6.5	2.0	1.8	1.6	1.1	1.1	1.0	1.4	0.95
24	1.3	1.6	1.5	3.0	2.0	1.8	1.6	1.1	1.1	1.0	6.6	0.92
25	1.2	1.5	1.5	2.3	2.0	2.2	1.6	1.00	1.3	1.0	2.5	0.91
26	1.2	1.4	2.8	2.1	2.0	2.1	1.6	0.98	1.3	0.98	1.4	0.75
27	1.2	1.4	1.6	2.0	1.9	1.9	2.7	1.5	1.4	0.92	1.2	1.3
28	1.2	1.4	1.6	2.0	2.4	1.9	1.6	1.4	1.8	0.92	1.1	1.2
29	1.2	1.4	1.9	1.9	---	1.8	1.3	1.8	1.5	0.92	0.98	1.0
30	1.2	1.4	1.7	1.9	---	1.6	1.2	1.5	2.0	0.92	0.97	1.1
31	1.7	---	1.7	2.0	---	1.6	---	1.3	---	0.92	0.93	---
MEAN	1.71	1.37	1.48	2.10	2.11	2.04	1.67	1.23	1.11	1.49	1.26	0.98
MAX	3.9	1.8	2.8	6.5	3.3	4.1	2.7	2.1	2.0	5.8	6.6	1.4
MIN	1.2	1.2	1.2	1.6	1.9	1.6	1.2	0.98	0.06	0.92	0.83	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	1.83	2.04	1.89	2.30	2.60	2.63	2.00	1.56	1.18	1.52	1.47	1.81
MAX	2.07	3.46	2.38	2.61	3.16	3.79	2.46	2.36	1.40	1.56	1.62	3.00
(WY)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1996)	(1996)	(1996)	(1998)
MIN	1.71	1.37	1.48	2.10	2.11	1.98	1.67	1.23	1.03	1.49	1.26	0.98
(WY)	(1998)	(1997)	(1999)	(1999)	(1999)	(1997)	(1999)	(1999)	(1998)	(1999)	(1999)	(1999)

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1996 - 1999	
ANNUAL MEAN	2.03		1.54		1.91	
HIGHEST ANNUAL MEAN					2.27	1998
LOWEST ANNUAL MEAN					1.54	1999
HIGHEST DAILY MEAN	28	Sep 29	6.6	Aug 24	28	Sep 29, 1998
LOWEST DAILY MEAN	0.52	May 31	0.06	Jun 10	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.91	May 30	0.75	Jun 5	0.75	Jun 5, 1999
MAXIMUM PEAK FLOW			76	Aug 24	163	Sep 29, 1998
MAXIMUM PEAK STAGE			2.91	Aug 24	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW			0.00	Jun 10	0.00	Jun 10, 1999
10 PERCENT EXCEEDS	2.9		2.1		2.6	
50 PERCENT EXCEEDS	1.5		1.4		1.6	
90 PERCENT EXCEEDS	1.0		0.92		0.98	

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.92	3.7	1.1	1.2	1.6	1.5	1.5	1.2	0.75	0.92	0.90	1.2
2	0.92	1.7	1.1	1.2	1.6	1.4	1.4	1.1	0.73	0.89	1.0	1.2
3	0.92	1.2	1.1	1.2	1.6	1.4	1.4	1.1	0.67	0.83	1.0	1.2
4	0.92	1.1	1.1	1.2	1.6	1.4	1.5	1.1	0.68	0.83	2.7	1.1
5	0.92	1.0	1.1	1.2	1.5	1.4	1.4	1.0	0.71	0.82	1.2	1.3
6	0.95	1.0	1.1	1.2	1.5	1.3	1.4	1.0	0.81	0.79	0.96	5.0
7	0.92	1.0	1.1	1.2	1.5	1.2	1.3	1.0	0.75	0.76	0.92	1.6
8	0.92	1.0	1.1	1.2	1.5	1.2	1.2	0.98	0.73	0.67	0.90	1.3
9	0.92	1.0	1.1	1.3	1.5	1.2	1.2	0.95	0.66	0.67	0.89	1.1
10	1.4	1.0	1.1	1.7	1.5	1.2	1.2	0.96	0.57	0.65	1.2	0.98
11	1.9	1.0	1.1	1.5	1.5	1.4	2.3	0.94	0.54	0.62	0.95	0.92
12	1.3	1.0	1.1	1.4	1.5	1.7	2.2	0.94	0.62	0.76	0.84	0.92
13	1.1	1.0	1.4	1.4	1.5	1.4	2.2	0.93	0.72	0.92	0.82	0.89
14	1.1	1.1	1.3	1.4	3.9	1.4	2.2	0.92	0.73	0.92	0.76	0.83
15	1.0	1.1	1.2	1.4	1.6	1.3	2.2	0.92	0.74	0.89	0.75	0.83
16	1.0	1.1	1.1	1.4	1.4	3.5	2.1	0.92	0.75	0.80	0.75	0.83
17	1.0	e1.2	1.1	1.4	1.4	2.3	2.0	0.92	0.75	0.73	0.73	0.86
18	1.0	1.4	1.1	1.4	1.4	1.8	2.0	0.92	0.89	0.63	0.67	1.1
19	1.0	1.3	1.5	1.4	1.4	2.0	1.9	0.92	0.96	0.52	0.67	1.0
20	0.98	1.3	1.2	1.4	1.3	2.3	1.9	0.92	0.81	0.52	0.67	0.92
21	1.0	1.4	2.5	1.4	1.2	1.8	1.8	0.92	0.73	0.49	0.70	1.1
22	1.0	1.4	2.1	1.4	1.2	1.6	1.7	0.92	0.69	0.57	0.83	10
23	0.98	1.2	1.5	1.8	1.1	1.6	1.7	0.90	0.83	0.75	0.81	3.7
24	0.92	1.1	1.4	2.3	1.1	1.5	11	0.87	1.1	0.78	0.75	2.6
25	0.92	1.1	1.4	1.6	1.1	1.5	3.8	0.86	1.5	1.2	0.87	2.7
26	0.92	1.1	1.4	1.5	1.1	1.7	2.1	1.2	1.1	1.1	1.00	2.7
27	0.94	1.1	1.4	1.5	4.1	1.9	1.5	1.1	0.97	0.89	0.81	2.1
28	0.92	1.1	1.4	1.5	1.8	1.6	2.2	0.87	2.5	0.83	0.75	1.8
29	0.92	1.1	1.3	1.5	1.6	1.5	1.6	0.75	1.4	0.89	0.75	1.7
30	0.92	1.1	1.2	2.5	---	2.0	1.4	0.75	1.2	0.83	0.70	1.7
31	0.92	---	1.2	1.8	---	1.8	---	0.75	---	0.83	0.66	---
MEAN	1.01	1.23	1.29	1.47	1.61	1.64	2.11	0.95	0.89	0.78	0.90	1.84
MAX	1.9	3.7	2.5	2.5	4.1	3.5	11	1.2	2.5	1.2	2.7	10
MIN	0.92	1.0	1.1	1.2	1.1	1.2	1.2	0.75	0.54	0.49	0.66	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	1.63	1.88	1.74	2.10	2.35	2.43	2.02	1.44	1.11	1.34	1.33	1.82
MAX	2.07	3.46	2.38	2.61	3.16	3.79	2.46	2.36	1.40	1.56	1.62	3.00
(WY)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)	(1997)	(1996)	(1996)	(1996)	(1998)
MIN	1.01	1.23	1.29	1.47	1.61	1.64	1.67	0.95	0.89	0.78	0.90	0.98
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL MEAN	1.46		1.31		1.71	
HIGHEST ANNUAL MEAN					2.27	1998
LOWEST ANNUAL MEAN					1.31	2000
HIGHEST DAILY MEAN	6.6	Aug 24	11	Apr 24	28	Sep 29, 1998
LOWEST DAILY MEAN	0.06	Jun 10	0.49	Jul 21	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.75	Jun 5	0.60	Jul 17	0.60	Jul 17, 2000
MAXIMUM PEAK FLOW			45	Sep 22	163	Sep 29, 1998
MAXIMUM PEAK STAGE			2.31	Sep 22	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW			0.17	Jul 22	0.00	Jun 10, 1999
10 PERCENT EXCEEDS	2.1		1.9		2.5	
50 PERCENT EXCEEDS	1.2		1.1		1.4	
90 PERCENT EXCEEDS	0.92		0.75		0.92	

e Estimated

02329558 ST. MATTHEWS CHURCH BRANCH NEAR QUINCY, FL—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.4	2.0	4.1	4.8	5.8	6.6	3.2	2.2	2.4	6.0	3.2
2	1.6	1.4	1.9	4.1	4.4	4.3	6.2	3.2	2.2	2.3	5.4	3.3
3	1.5	1.4	1.9	4.1	4.3	4.2	6.0	3.0	2.1	2.1	4.2	5.6
4	1.5	1.4	1.9	3.9	4.2	10	6.7	2.7	2.1	2.0	3.7	5.2
5	1.5	1.4	1.9	3.9	4.1	5.6	7.0	2.8	2.1	2.0	6.0	4.7
6	3.3	1.4	1.9	3.9	4.1	4.9	6.6	2.8	3.0	1.9	18	4.5
7	2.7	1.4	1.9	3.9	4.1	4.6	6.1	2.8	3.2	1.9	8.8	5.1
8	2.0	1.4	1.9	4.4	4.0	4.5	5.9	2.8	7.3	1.9	7.0	4.5
9	1.8	1.7	1.9	4.0	3.9	4.8	5.8	2.8	5.8	1.9	6.0	4.2
10	1.7	1.8	3.0	3.8	4.2	5.2	5.5	2.7	5.5	4.2	6.0	3.9
11	1.7	1.6	2.4	4.1	4.1	4.6	5.1	2.7	15	3.4	6.7	3.7
12	1.6	1.6	2.2	4.8	3.9	9.8	4.6	2.8	18	3.8	6.0	3.7
13	1.6	1.6	2.2	4.0	3.9	9.7	4.4	2.9	4.2	3.4	5.3	3.5
14	1.6	2.4	2.9	3.9	3.9	6.2	4.3	2.7	3.7	2.9	4.9	3.5
15	1.6	1.7	2.8	3.9	3.9	14	4.3	2.6	3.7	2.6	4.8	3.5
16	1.5	1.6	2.5	3.8	3.7	7.3	4.6	2.5	3.2	2.3	4.6	3.3
17	1.5	2.7	2.5	3.7	3.8	5.8	4.5	2.5	2.9	2.2	4.3	3.3
18	1.5	2.0	2.3	3.7	3.7	11	4.5	2.5	2.3	2.1	4.3	3.3
19	1.5	3.1	2.7	6.5	3.5	8.6	4.5	2.5	2.2	2.0	4.3	3.3
20	1.5	2.3	2.5	6.4	3.5	16	4.4	2.9	2.2	2.0	4.3	3.2
21	1.5	1.8	2.4	4.8	3.5	8.1	4.3	2.8	2.2	2.0	4.2	3.2
22	1.5	1.7	2.3	4.7	3.5	7.0	4.2	2.5	4.0	2.0	3.9	3.2
23	1.5	1.7	2.3	4.5	3.5	6.3	3.9	2.7	4.8	2.0	3.7	3.2
24	1.5	2.5	2.3	4.4	3.4	5.9	3.6	2.6	3.1	2.9	3.7	4.3
25	1.4	4.8	2.3	4.3	3.3	5.8	3.5	2.5	2.7	3.2	3.5	4.3
26	1.4	2.5	2.3	4.3	3.3	6.0	3.5	2.5	2.3	4.6	3.5	3.8
27	1.4	2.2	2.3	4.3	3.3	6.0	3.5	2.4	2.0	3.9	3.3	3.7
28	1.4	2.1	10	4.3	4.2	6.0	3.5	2.5	2.0	3.1	3.3	3.5
29	1.4	2.0	5.3	4.2	---	12	3.4	2.4	2.0	2.9	3.2	3.5
30	1.4	2.0	4.5	5.5	---	8.1	3.3	2.3	2.2	4.5	3.2	3.5
31	1.4	---	4.3	4.7	---	7.1	---	2.3	---	6.2	3.2	---
MEAN	1.63	1.95	2.76	4.35	3.86	7.26	4.81	2.67	4.01	2.79	5.14	3.82
MAX	3.3	4.8	10	6.5	4.8	16	7.0	3.2	18	6.2	18	5.6
MIN	1.4	1.4	1.9	3.7	3.3	4.2	3.3	2.3	2.0	1.9	3.2	3.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	1.63	1.89	1.94	2.55	2.65	3.24	2.48	1.64	1.69	1.63	2.09	2.22
MAX	2.07	3.46	2.76	4.35	3.86	7.26	4.81	2.67	4.01	2.79	5.14	3.82
(WY)	(1997)	(1998)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	1.01	1.23	1.29	1.47	1.61	1.64	1.67	0.95	0.89	0.78	0.90	0.98
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(1999)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL MEAN	1.54		3.76		2.22	
HIGHEST ANNUAL MEAN					3.76	2001
LOWEST ANNUAL MEAN					1.31	2000
HIGHEST DAILY MEAN	11	Apr 24	18	Jun 12	28	Sep 29, 1998
LOWEST DAILY MEAN	0.49	Jul 21	1.4	Oct 25	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.60	Jul 17	1.4	Oct 25	0.60	Jul 17, 2000
MAXIMUM PEAK FLOW			109	Jun 12	163	Sep 29, 1998
MAXIMUM PEAK STAGE			3.48	Jun 12	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW			1.4	Oct 25	0.00	Jun 10, 1999
10 PERCENT EXCEEDS	2.3		6.0		4.2	
50 PERCENT EXCEEDS	1.4		3.4		1.6	
90 PERCENT EXCEEDS	0.75		1.6		0.92	

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WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	0.11	0.14	0.14	0.61	---	---	0.12	0.13	0.24	0.19	0.12
2	3.3	0.11	0.14	0.18	0.58	---	---	0.12	0.13	0.12	0.17	0.12
3	3.3	0.11	0.14	0.19	0.58	---	---	0.12	0.12	1.3	0.13	0.12
4	3.2	0.11	0.14	0.19	0.55	---	---	0.12	0.13	0.48	0.13	0.11
5	3.2	0.11	0.14	0.19	0.51	---	---	0.13	0.13	0.22	0.13	0.12
6	5.1	0.11	0.14	0.64	0.63	---	---	0.13	0.13	0.13	0.13	0.12
7	0.37	0.11	0.14	0.37	0.82	---	---	0.13	0.13	0.13	0.12	0.12
8	0.17	0.11	0.14	0.31	0.82	---	---	0.13	0.29	0.13	0.13	0.11
9	0.13	0.11	0.14	0.28	---	---	---	0.14	0.19	0.14	0.13	0.11
10	0.13	0.11	0.14	0.26	---	---	---	0.14	0.13	0.14	0.13	0.11
11	0.12	0.11	0.14	0.26	---	---	---	0.14	0.12	0.13	0.13	0.11
12	0.12	0.11	0.14	1.8	---	---	---	0.13	0.12	0.12	0.13	0.11
13	0.12	0.11	0.14	1.7	---	---	---	0.15	0.12	0.12	0.13	0.36
14	0.19	0.11	0.14	1.3	---	---	---	0.18	0.11	0.13	0.19	5.2
15	0.13	0.11	0.14	0.87	---	---	---	0.13	0.12	0.13	0.14	0.63
16	0.12	0.11	0.14	0.62	---	---	---	0.13	0.11	0.13	0.13	0.15
17	0.12	0.11	0.14	0.55	---	---	---	0.13	0.11	0.12	0.12	0.12
18	0.12	0.11	0.14	0.50	---	---	---	1.1	0.11	0.12	0.12	0.12
19	0.11	0.11	0.14	0.48	---	---	---	0.85	0.12	0.22	0.12	0.11
20	0.11	0.11	0.14	0.59	---	---	---	0.17	0.12	0.18	0.13	0.11
21	0.11	0.11	0.14	0.93	---	---	---	0.13	0.12	0.15	0.12	0.10
22	0.11	0.11	0.14	0.68	---	---	0.13	0.13	0.12	0.14	0.11	0.10
23	0.11	0.74	0.14	0.61	---	---	0.13	0.13	0.13	0.14	0.11	0.10
24	0.11	0.34	0.14	0.56	---	---	0.13	0.13	0.13	0.14	0.11	5.1
25	0.11	0.20	0.14	2.3	---	---	0.13	0.12	0.13	0.18	0.11	0.53
26	0.11	0.17	0.14	1.1	0.12	---	0.13	0.13	0.17	0.15	0.11	0.74
27	0.11	0.14	0.14	0.93	---	---	0.12	0.13	0.14	0.14	0.15	0.96
28	0.11	0.14	0.14	0.95	---	---	0.12	0.13	1.6	0.18	0.13	0.27
29	0.11	0.14	0.14	0.79	---	---	0.12	0.13	0.34	1.5	0.12	0.22
30	0.11	0.14	0.14	0.71	---	---	0.13	0.13	0.18	0.27	0.12	0.20
31	0.11	---	0.14	0.65	---	---	---	0.13	---	0.15	0.12	---
MEAN	0.80	0.15	0.14	0.70	---	---	---	0.19	0.19	0.24	0.13	0.55
MAX	5.1	0.74	0.14	2.3	---	---	---	1.1	1.6	1.5	0.19	5.2
MIN	0.11	0.11	0.14	0.14	---	---	---	0.12	0.11	0.12	0.11	0.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	1.49	1.64	1.64	2.24	2.65	3.24	2.48	1.44	1.44	1.40	1.77	1.94
MAX	2.07	3.46	2.76	4.35	3.86	7.26	4.81	2.67	4.01	2.79	5.14	3.82
(WY)	(1997)	(1998)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	0.80	0.15	0.14	0.70	1.61	1.64	1.67	0.19	0.19	0.24	0.13	0.55
(WY)	(2002)	(2002)	(2002)	(2002)	(2000)	(2000)	(1999)	(2002)	(2002)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		WATER YEARS 1996 - 2002	
ANNUAL MEAN	3.31		2.22	
HIGHEST ANNUAL MEAN			3.76	2001
LOWEST ANNUAL MEAN			1.31	2000
HIGHEST DAILY MEAN	18	Jun 12	28	Sep 29, 1998
LOWEST DAILY MEAN	0.11	Oct 19	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.11	Oct 19	0.11	Sep 17, 2002
MAXIMUM PEAK FLOW			163	Sep 29, 1998
MAXIMUM PEAK STAGE			4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW			0.00	Jun 10, 1999
10 PERCENT EXCEEDS	6.0		4.2	
50 PERCENT EXCEEDS	3.3		1.6	
90 PERCENT EXCEEDS	0.12		0.92	

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.18	0.34	0.35	1.2	0.17	3.1	0.67	0.64	0.19	0.52	6.1	0.17
2	0.16	0.33	0.35	0.46	0.15	1.7	0.58	0.57	0.19	0.95	7.1	0.38
3	0.15	0.31	0.35	0.34	0.14	1.3	0.55	0.73	0.57	0.67	2.9	0.23
4	0.15	0.30	0.35	0.30	0.26	4.0	0.47	0.60	5.6	0.64	1.2	0.14
5	0.17	0.33	0.69	0.30	0.19	1.1	8.7	0.41	1.7	0.60	1.3	0.13
6	0.15	1.5	0.60	0.29	2.4	0.86	3.1	0.37	1.4	0.78	1.5	0.35
7	0.14	0.56	0.53	0.26	1.8	3.4	1.8	0.32	5.3	0.69	7.1	0.19
8	0.15	0.49	0.51	0.26	0.50	1.4	12	0.28	1.4	0.55	1.4	0.14
9	0.14	0.46	0.51	0.25	0.43	12	5.8	0.24	0.72	0.47	0.89	0.13
10	0.14	0.47	0.51	0.23	0.38	1.5	2.9	0.23	0.51	0.38	0.73	0.14
11	0.14	0.50	0.51	0.23	0.32	0.90	1.7	0.24	0.40	0.35	0.67	0.14
12	0.14	3.3	0.51	0.23	0.30	0.73	1.2	0.21	0.57	0.35	0.85	0.14
13	0.13	0.62	2.5	0.23	0.30	2.3	1.0	0.19	0.91	0.35	1.8	0.14
14	0.13	0.52	0.78	0.21	0.29	1.0	0.89	0.19	0.64	0.36	1.6	0.15
15	0.42	0.45	0.65	0.19	0.26	0.94	0.79	0.19	0.45	0.58	2.1	0.16
16	0.24	0.50	0.58	0.19	6.3	1.6	0.74	0.22	0.33	0.77	2.0	0.14
17	0.18	0.42	0.54	0.19	0.81	8.6	0.71	0.22	0.61	1.5	1.5	0.14
18	0.15	0.38	0.48	0.19	0.51	1.8	0.64	0.22	0.66	1.4	1.3	0.14
19	0.14	0.38	0.46	0.19	0.39	1.5	0.61	0.41	0.49	1.1	0.86	0.16
20	0.14	0.35	2.8	0.19	0.33	8.7	0.55	0.30	0.44	0.77	0.78	0.15
21	0.23	0.35	0.86	0.19	0.30	1.7	1.9	0.23	0.45	1.0	0.60	0.28
22	0.21	0.35	0.67	0.19	0.88	0.94	1.4	2.2	0.35	3.8	0.43	0.27
23	0.14	0.35	0.58	0.19	0.36	0.79	0.92	0.78	0.36	2.2	0.46	0.26
24	1.4	0.35	11	0.17	0.29	0.67	0.78	0.50	0.33	2.2	0.41	0.18
25	0.32	0.35	0.99	0.17	0.26	0.53	6.1	0.38	0.28	1.2	0.34	0.17
26	0.27	0.35	0.41	0.17	0.44	0.46	2.4	0.34	0.23	1.0	0.32	0.16
27	0.27	0.35	0.33	0.17	13	1.4	1.3	0.33	0.23	0.86	0.30	0.17
28	0.20	0.35	0.30	0.17	0.79	0.86	1.1	0.27	0.23	0.69	0.25	0.16
29	1.8	0.35	0.27	0.17	---	0.72	0.73	0.21	0.42	0.71	0.33	0.13
30	0.91	0.35	0.26	0.17	---	1.4	0.60	0.19	0.48	1.5	0.19	0.15
31	0.41	---	3.6	0.19	---	0.83	---	0.18	---	4.8	0.18	---
MEAN	0.31	0.53	1.09	0.25	1.16	2.22	2.09	0.40	0.88	1.09	1.53	0.18
MAX	1.8	3.3	11	1.2	13	12	12	2.2	5.6	4.8	7.1	0.38
MIN	0.13	0.30	0.26	0.17	0.14	0.46	0.47	0.18	0.19	0.35	0.18	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	1.32	1.50	1.56	1.95	2.40	3.09	2.43	1.31	1.36	1.35	1.73	1.69
MAX	2.07	3.46	2.76	4.35	3.86	7.26	4.81	2.67	4.01	2.79	5.14	3.82
(WY)	(1997)	(1998)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)
MIN	0.31	0.15	0.14	0.25	1.16	1.64	1.67	0.19	0.19	0.24	0.13	0.18
(WY)	(2003)	(2002)	(2002)	(2003)	(2003)	(2000)	(1999)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL MEAN	0.98		1.97	
HIGHEST ANNUAL MEAN			3.76	2001
LOWEST ANNUAL MEAN			0.98	2003
HIGHEST DAILY MEAN	13	Feb 27	28	Sep 29, 1998
LOWEST DAILY MEAN	0.13	Oct 13	0.06	Jun 10, 1999
ANNUAL SEVEN-DAY MINIMUM	0.14	Oct 8	0.11	Sep 17, 2002
MAXIMUM PEAK FLOW	66	Apr 5	163	Sep 29, 1998
MAXIMUM PEAK STAGE	2.74	Apr 5	4.31	Sep 29, 1998
INSTANTANEOUS LOW FLOW	0.13	Oct 12	0.00	Jun 10, 1999
10 PERCENT EXCEEDS	1.8		4.0	
50 PERCENT EXCEEDS	0.43		1.4	
90 PERCENT EXCEEDS	0.16		0.42	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

SHOAL RIVER BASIN

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL

LOCATION.--Lat 30° 56'02", long 86° 13'32", in NE $^1/_4$ sec. 15, T.5N., R.20W., Walton County, Hydrologic Unit 03140103, on upstream side of culvert on County Road 0605, 2.6 mi north of the community of Caney Creek, and 5.2 mi southeast of Paxton.

DRAINAGE AREA.--0.19 mi^2.

PERIOD OF RECORD.--October 1995 to September 1998 (fragmentary), October 1998 to September 1999, October 1999 to September 2000 (fragmentary), October 2000 to September 2001, October 2001 to September 2002 (fragmentary), October 2002 to September 2003.

GAGE.--Water-stage recorder, crest-stage gage. Datum of gage is not determined.

REMARKS.--Records poor.

DISCHARGE, 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	---	0.13	0.27	0.36	0.27	1.1	1.5	0.39	0.27	0.22	0.23	0.32
2	---	0.25	0.27	0.27	2.7	1.1	1.0	0.30	0.23	0.20	0.27	0.27
3	---	1.2	0.27	0.27	1.8	0.88	0.79	0.28	0.21	0.20	0.26	0.26
4	---	1.6	0.27	0.27	1.0	0.66	0.51	0.27	0.20	0.24	0.26	0.25
5	---	1.2	0.27	0.27	0.84	0.51	0.33	0.27	0.20	0.27	0.26	0.25
6	---	1.1	0.27	0.39	0.72	0.60	0.33	0.27	0.20	0.26	0.27	0.25
7	---	1.00	0.31	1.5	0.61	2.4	0.32	0.27	0.22	0.27	0.27	0.25
8	---	0.87	0.27	1.0	0.53	1.9	0.30	0.27	0.28	0.27	0.26	0.25
9	---	0.44	0.27	0.80	0.42	1.0	0.29	0.27	0.27	0.26	0.29	0.25
10	---	0.27	0.27	0.66	0.33	0.84	0.27	0.27	0.27	0.24	0.27	0.26
11	---	2.1	0.27	0.56	0.27	0.71	0.27	0.28	0.27	0.24	0.27	0.27
12	---	1.5	0.27	0.49	0.27	0.58	0.27	0.27	0.27	0.37	0.27	0.27
13	---	0.99	0.27	0.34	0.27	0.48	0.27	0.27	0.27	0.27	0.27	0.27
14	---	0.80	0.27	0.33	0.27	0.35	0.28	0.27	0.26	0.32	0.26	0.25
15	---	0.64	0.27	0.31	0.27	0.33	2.6	0.27	0.23	0.27	0.25	0.25
16	---	0.48	0.27	0.29	0.27	0.33	1.5	0.27	0.23	0.27	0.24	0.27
17	---	0.31	0.27	0.27	0.27	0.42	0.87	0.27	0.20	0.27	0.25	0.27
18	---	0.27	0.34	0.31	0.27	3.4	0.57	0.27	0.20	0.26	0.24	0.27
19	---	0.27	0.27	0.27	0.43	1.7	1.1	0.24	0.20	0.26	0.23	0.27
20	---	0.27	0.27	0.29	1.7	1.0	1.2	0.22	0.24	0.26	0.22	0.27
21	---	0.27	0.27	0.27	1.1	0.84	0.83	0.20	0.27	0.26	0.20	0.27
22	---	0.27	0.27	0.27	0.85	0.69	0.56	0.20	0.23	0.25	0.20	0.27
23	---	0.27	0.27	0.27	0.69	0.55	0.38	0.20	0.20	0.25	0.20	0.24
24	---	0.27	0.27	0.29	0.56	0.42	0.33	0.21	0.20	0.24	0.20	0.23
25	---	0.27	0.27	0.27	0.39	1.5	0.31	0.23	0.20	0.26	0.20	0.20
26	---	0.27	0.27	0.27	0.33	1.7	0.30	0.20	0.25	0.27	0.20	0.20
27	---	0.27	0.27	0.29	0.33	2.1	0.29	0.20	0.26	0.25	0.22	0.30
28	0.13	0.27	0.27	0.27	0.36	2.2	0.27	0.23	0.26	0.25	0.25	0.27
29	0.13	0.27	0.27	0.27	0.37	1.3	0.31	0.27	0.24	0.22	0.34	0.27
30	0.13	0.27	0.27	0.27	---	5.7	0.67	0.27	0.23	0.20	0.27	0.26
31	0.13	---	0.31	0.27	---	2.4	---	0.27	---	0.20	0.27	---
MEAN	---	0.61	0.27	0.40	0.64	1.28	0.63	0.26	0.24	0.25	0.25	0.26
MAX	---	2.1	0.34	1.5	2.7	5.7	2.6	0.39	0.28	0.37	0.34	0.32
MIN	---	0.13	0.27	0.27	0.27	0.33	0.27	0.20	0.20	0.20	0.20	0.20

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

MEAN	---	0.61	0.27	0.40	0.64	1.28	0.63	0.26	0.24	0.25	0.25	0.26
MAX	---	0.61	0.27	0.40	0.64	1.28	0.63	0.26	0.24	0.25	0.25	0.26
(WY)	---	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)
MIN	---	0.61	0.27	0.40	0.64	1.28	0.63	0.26	0.24	0.25	0.25	0.26
(WY)	---	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, 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	0.27	---	0.56	---	0.79	0.71	0.20	0.22	1.4	0.15	2.3	0.07
2	0.27	---	0.27	---	0.65	0.59	0.20	0.20	0.68	0.13	1.2	0.07
3	0.27	---	0.27	---	0.48	0.43	0.20	0.24	0.48	0.13	0.74	0.07
4	0.27	---	0.27	---	0.29	0.32	0.20	0.20	0.24	0.13	0.53	0.07
5	0.25	---	0.27	0.27	0.32	0.29	0.20	0.20	0.20	0.13	0.40	0.07
6	0.27	---	0.27	0.27	0.28	0.28	0.94	0.20	0.20	0.13	0.22	0.07
7	0.29	---	0.27	0.32	0.27	0.27	0.95	0.20	0.20	4.4	0.20	0.07
8	0.26	---	0.27	0.42	2.3	0.27	0.35	0.20	0.19	1.8	0.20	0.07
9	0.25	---	0.25	4.2	1.2	0.27	0.26	0.20	0.18	0.87	0.23	0.07
10	0.24	0.20	0.25	1.2	0.93	0.27	0.20	0.20	0.20	0.64	0.20	0.07
11	0.24	0.20	0.25	0.86	0.72	0.27	0.20	0.20	0.20	0.50	0.20	0.07
12	0.21	0.20	0.24	0.64	0.51	0.27	0.20	0.20	0.20	0.22	0.20	0.09
13	0.20	0.20	0.23	0.50	0.53	0.46	0.20	0.20	0.20	0.20	0.19	0.07
14	0.20	0.20	0.20	0.29	8.3	1.4	0.20	0.20	0.20	0.20	0.19	0.07
15	0.20	0.20	0.20	0.36	3.5	0.64	0.20	0.21	0.20	0.18	0.19	0.07
16	0.20	0.20	0.20	1.2	1.5	0.35	0.20	0.20	0.20	0.17	0.20	0.07
17	0.20	0.20	---	0.92	0.90	0.28	0.20	0.18	0.21	0.16	0.20	0.07
18	0.20	0.20	---	0.67	0.66	0.27	0.20	0.18	0.20	0.14	0.20	0.07
19	0.20	0.20	---	0.53	0.44	0.28	0.20	0.19	0.14	0.13	0.19	0.07
20	0.20	0.20	---	0.34	0.33	0.30	0.20	0.19	0.23	0.17	0.21	0.07
21	0.20	0.24	---	0.27	1.1	1.7	0.20	0.18	0.20	0.24	0.18	0.07
22	---	0.25	---	0.29	1.9	1.2	0.23	0.15	0.20	0.20	0.17	0.07
23	---	0.25	---	0.27	0.95	0.70	0.21	0.24	0.19	0.20	0.15	0.07
24	---	0.25	---	0.79	0.73	0.43	0.20	0.20	0.20	0.17	0.13	0.07
25	---	0.31	---	2.7	3.3	0.33	0.20	1.1	0.20	0.17	0.13	0.18
26	---	0.27	---	1.2	1.9	0.33	0.26	0.92	0.20	0.17	0.13	0.14
27	---	0.25	---	0.84	1.3	0.26	0.25	0.38	0.19	0.15	0.13	0.13
28	---	0.25	---	0.72	0.88	0.23	1.8	0.24	0.17	0.25	0.13	0.13
29	---	0.22	---	0.72	---	---	0.75	5.2	0.17	0.20	0.42	0.13
30	---	0.22	---	1.7	---	---	0.40	2.6	0.18	0.51	0.09	0.13
31	---	---	---	1.0	---	---	---	1.8	---	9.8	0.09	---
MEAN	---	---	---	---	1.32	---	0.34	0.55	0.26	0.73	0.32	0.08
MAX	---	---	---	---	8.3	---	1.8	5.2	1.4	9.8	2.3	0.18
MIN	---	---	---	---	0.27	---	0.20	0.15	0.14	0.13	0.09	0.07

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

MEAN	---	0.61	0.27	0.40	0.97	1.28	0.48	0.40	0.25	0.49	0.28	0.17
MAX	---	0.61	0.27	0.40	1.32	1.28	0.63	0.55	0.26	0.73	0.32	0.26
(WY)	---	(1996)	(1996)	(1996)	(1997)	(1996)	(1996)	(1997)	(1997)	(1997)	(1997)	(1996)
MIN	---	0.61	0.27	0.40	0.64	1.28	0.34	0.26	0.24	0.25	0.25	0.08
(WY)	---	(1996)	(1996)	(1996)	(1996)	(1996)	(1997)	(1996)	(1996)	(1996)	(1996)	(1997)

SUMMARY STATISTICS WATER YEARS 1996 - 1997

HIGHEST DAILY MEAN	9.8	Jul 31, 1997
LOWEST DAILY MEAN	0.07	Sep 1, 1997
ANNUAL SEVEN-DAY MINIMUM	0.07	Sep 1, 1997
MAXIMUM PEAK FLOW	76	Jul 31, 1997
MAXIMUM PEAK STAGE	6.35	Jul 31, 1997
INSTANTANEOUS LOW FLOW	0.00	May 7, 1997

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.13	0.16	0.21	0.27	0.20	0.87	0.07	0.07	0.07	0.01	0.11	0.07
2	0.12	0.13	0.20	0.20	0.33	0.69	0.11	0.07	0.07	0.00	0.07	0.49
3	0.11	0.13	0.20	0.20	4.0	0.55	0.13	0.07	0.07	0.01	0.07	1.6
4	0.10	0.13	0.20	0.20	2.3	0.31	0.07	0.07	0.07	0.07	0.07	0.51
5	0.09	0.13	0.20	2.4	1.3	0.35	0.07	0.07	0.07	0.07	0.07	0.30
6	0.07	0.14	0.15	3.1	0.83	0.88	0.07	0.07	0.07	0.07	0.07	0.20
7	0.07	0.13	0.13	12	0.66	12	0.07	0.07	0.07	0.07	0.08	0.20
8	0.07	0.13	0.13	2.5	0.51	26	0.07	0.07	0.07	0.07	0.07	0.14
9	0.07	0.13	0.92	1.5	0.25	2.4	0.07	0.07	0.07	0.07	0.07	0.13
10	0.07	0.13	2.7	0.99	0.20	1.5	0.07	0.07	0.07	0.07	0.09	0.13
11	0.07	0.13	1.0	0.83	0.20	0.88	0.07	0.07	0.07	0.07	0.13	0.13
12	0.07	0.25	2.3	0.74	0.20	0.66	0.07	0.07	0.07	0.07	0.13	0.13
13	0.07	0.14	1.2	1.5	0.20	0.41	0.07	0.07	0.07	0.07	0.14	0.13
14	0.07	0.13	1.3	2.0	0.20	0.23	0.07	0.07	0.07	0.09	0.13	0.13
15	0.07	0.13	0.90	3.1	0.28	0.20	0.07	0.07	0.06	0.07	0.16	0.13
16	0.07	0.13	0.62	1.9	9.3	0.20	0.07	0.07	0.02	0.07	0.09	0.13
17	0.07	0.13	0.38	1.2	3.2	0.20	0.07	0.07	0.00	0.07	0.07	0.13
18	0.07	0.13	0.21	0.93	1.5	0.20	0.07	0.07	0.00	0.07	0.07	0.13
19	0.07	0.13	0.20	0.81	0.96	0.20	0.10	0.06	0.00	0.07	0.07	0.13
20	0.07	0.13	0.20	0.71	0.82	0.20	0.07	0.04	0.03	0.07	0.07	0.13
21	0.07	0.13	0.20	0.60	0.69	0.20	0.07	0.04	0.06	0.07	0.07	0.21
22	0.07	0.14	0.19	3.6	1.6	0.20	0.07	0.04	0.02	0.07	0.07	0.13
23	0.07	0.13	0.21	2.3	1.5	0.20	0.07	0.05	0.00	0.07	0.07	0.13
24	0.14	0.13	2.0	1.4	0.89	0.20	0.07	0.04	0.00	0.07	0.07	0.13
25	0.13	0.13	1.3	0.91	0.71	0.16	0.07	0.04	0.00	0.07	0.07	0.13
26	0.20	0.13	0.67	0.74	0.93	0.13	0.07	0.04	0.00	0.07	0.07	0.15
27	0.13	0.13	1.1	0.61	2.8	0.13	0.07	0.02	0.00	0.07	0.07	0.14
28	0.13	0.13	0.81	0.44	1.4	0.13	0.07	0.03	0.00	0.07	0.07	46
29	0.13	0.27	1.1	0.25	---	0.09	0.07	0.03	0.00	0.07	0.07	47
30	0.13	0.29	0.78	0.20	---	0.07	0.07	0.06	0.04	0.07	0.07	3.2
31	0.13	---	0.53	0.20	---	0.07	---	0.07	---	0.07	0.07	---
MEAN	0.09	0.15	0.72	1.56	1.36	1.63	0.07	0.06	0.04	0.06	0.08	3.41
MAX	0.20	0.29	2.7	12	9.3	26	0.13	0.07	0.07	0.09	0.16	47
MIN	0.07	0.13	0.13	0.20	0.20	0.07	0.07	0.02	0.00	0.00	0.07	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

MEAN	0.09	0.38	0.50	0.98	1.10	1.45	0.35	0.29	0.18	0.35	0.22	1.25
MAX	0.09	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.26	0.73	0.32	3.41
(WY)	(1998)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1997)	(1997)	(1997)	(1998)
MIN	0.09	0.15	0.27	0.40	0.64	1.28	0.07	0.06	0.04	0.06	0.08	0.08
(WY)	(1998)	(1998)	(1996)	(1996)	(1996)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)	(1997)

SUMMARY STATISTICS	FOR 1998 WATER YEAR		WATER YEARS 1996 - 1998	
ANNUAL MEAN	0.76		0.76	
HIGHEST ANNUAL MEAN			0.76	1998
LOWEST ANNUAL MEAN			0.76	1998
HIGHEST DAILY MEAN	47	Sep 29	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Jun 17	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 23	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW	243	Mar 8	243	Mar 8, 1998
MAXIMUM PEAK STAGE	9.94	Mar 8	9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW	0.00	May 19	0.00	May 7, 1997
10 PERCENT EXCEEDS	1.2		1.2	
50 PERCENT EXCEEDS	0.13		0.13	
90 PERCENT EXCEEDS	0.07		0.07	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.01	1.2	---	0.00
2	0.87	0.08	0.07	0.09	0.07	0.00	0.00	0.00	0.00	0.58	---	0.00
3	1.8	0.07	0.07	0.07	0.07	0.10	0.00	0.00	0.00	0.13	---	0.00
4	1.4	0.07	0.07	0.07	0.01	0.00	0.00	0.00	0.00	0.04	---	0.00
5	0.86	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
6	0.68	0.07	0.07	0.07	0.00	0.01	0.00	0.00	0.03	0.00	---	0.00
7	0.60	0.07	0.07	0.07	0.00	0.00	0.00	0.06	0.00	0.00	---	0.00
8	0.58	0.07	0.12	0.07	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00
9	0.36	0.07	0.07	0.13	0.00	0.20	0.00	0.00	0.00	0.00	---	0.00
10	0.20	0.07	0.07	0.33	0.00	0.22	0.00	0.00	0.00	0.00	---	0.00
11	0.19	0.29	0.07	0.21	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.10	0.07	0.07	0.14	0.00	0.07	0.00	0.00	0.10	0.04	0.00	0.00
13	0.07	0.07	0.07	0.08	0.00	0.14	0.00	0.02	0.00	0.39	0.00	0.00
14	0.07	0.07	0.07	0.07	0.00	2.8	0.00	0.00	0.01	0.20	0.00	0.00
15	0.07	0.08	0.07	0.07	0.00	0.74	0.00	0.00	0.00	0.03	0.00	0.00
16	0.07	0.07	0.07	0.07	0.00	0.36	0.00	0.00	0.03	0.00	0.01	0.00
17	0.07	0.07	0.07	0.07	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
18	0.07	0.07	0.07	0.08	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
19	0.07	0.07	0.07	0.07	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
20	0.07	0.07	0.07	0.07	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
21	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.07	0.07	0.08	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.07	0.09	0.07	2.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.07	0.07	0.07	1.1	0.00	0.00	0.00	0.00	0.00	---	0.07	0.00
25	0.07	0.07	0.07	0.42	0.00	0.00	0.00	0.00	3.1	---	0.00	0.00
26	0.07	0.07	0.07	0.20	0.00	0.00	0.00	0.03	2.1	---	0.00	0.00
27	0.07	0.07	0.07	0.15	0.00	0.00	0.00	0.00	2.2	---	0.00	0.00
28	0.07	0.07	0.07	0.08	0.00	0.00	0.00	0.00	1.1	---	0.00	0.00
29	0.07	0.07	0.07	0.07	---	0.00	0.00	0.00	0.75	---	0.00	0.00
30	0.07	0.07	0.07	0.07	---	0.00	0.00	0.01	0.94	---	0.00	0.00
31	0.07	---	0.07	0.07	---	0.00	---	0.00	---	---	0.00	---
MEAN	0.33	0.08	0.07	0.21	0.01	0.17	0.00	0.00	0.35	---	---	0.00
MAX	1.8	0.29	0.12	2.3	0.07	2.8	0.00	0.06	3.1	---	---	0.00
MIN	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	---	---	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1999, BY WATER YEAR (WY)

MEAN	0.21	0.28	0.35	0.72	0.83	1.03	0.26	0.22	0.22	0.35	0.22	0.94
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.35	0.73	0.32	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1999)	(1997)	(1997)	(1998)
MIN	0.09	0.08	0.07	0.21	0.01	0.17	0.00	0.00	0.04	0.06	0.08	0.00
(WY)	(1998)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1998)	(1998)	(1998)	(1999)

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		WATER YEARS 1996 - 1999	
ANNUAL MEAN	0.72		0.76	
HIGHEST ANNUAL MEAN			0.76	1998
LOWEST ANNUAL MEAN			0.76	1998
HIGHEST DAILY MEAN	47	Sep 29	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Jun 17	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 23	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW			243	Mar 8, 1998
MAXIMUM PEAK STAGE			9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW			0.00	May 7, 1997
10 PERCENT EXCEEDS	0.94		1.2	
50 PERCENT EXCEEDS	0.07		0.13	
90 PERCENT EXCEEDS	0.07		0.07	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.05	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.03
2	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.04	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.01
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.02
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
9	0.02	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.05
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.09
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.1
23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.13
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.01	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	---	0.00	---	0.01	0.05	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.01	---	0.00	0.01	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	---	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.00	---	0.01	0.00	---	---	---	---	0.00	0.00	0.00	0.08
MAX	0.07	---	0.11	0.02	---	---	---	---	0.05	0.06	0.05	2.1
MIN	0.00	---	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	0.14	0.28	0.27	0.54	0.83	1.03	0.26	0.22	0.18	0.26	0.16	0.77
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.35	0.73	0.32	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1999)	(1997)	(1997)	(1998)
MIN	0.00	0.08	0.01	0.00	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2000)	(1999)	(2000)	(2000)	(1999)	(1999)	(1999)	(1999)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	WATER YEARS 1996 - 2000	
ANNUAL MEAN	0.76	
HIGHEST ANNUAL MEAN	0.76	1998
LOWEST ANNUAL MEAN	0.76	1998
HIGHEST DAILY MEAN	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW	243	Mar 8, 1998
MAXIMUM PEAK STAGE	9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW	0.00	May 7, 1997
10 PERCENT EXCEEDS	1.2	
50 PERCENT EXCEEDS	0.13	
90 PERCENT EXCEEDS	0.07	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.36	0.00	0.00	0.38	0.00	0.07	0.01	0.00	0.02
2	0.00	0.00	0.00	0.32	0.00	0.00	0.05	0.00	0.00	0.01	0.00	0.01
3	0.00	0.00	0.00	0.21	0.00	1.4	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.02	0.00	1.6	1.1	0.00	0.00	0.00	0.00	0.98
5	0.00	0.00	0.00	0.00	0.00	0.72	1.2	0.00	0.00	0.00	0.00	0.87
6	0.01	0.00	0.00	0.00	0.00	0.57	0.61	0.00	0.00	0.00	3.2	0.45
7	0.00	0.00	0.00	0.00	0.00	0.26	0.42	0.00	0.00	0.00	2.9	0.83
8	0.00	0.00	0.00	0.00	0.00	0.04	0.07	0.00	0.00	0.00	0.99	0.39
9	0.00	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.38	0.33
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.10
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.2	0.00	0.09	0.00
12	0.00	0.00	0.00	0.00	0.00	7.5	0.00	0.00	0.84	0.00	0.02	0.00
13	0.00	0.00	0.00	0.00	0.00	1.9	0.00	0.00	2.0	0.00	0.03	0.00
14	0.00	0.00	1.4	0.00	0.00	0.94	0.00	0.00	1.8	0.00	0.23	0.00
15	0.00	0.00	0.65	0.00	0.00	8.3	0.01	0.00	0.84	0.00	0.41	0.00
16	0.00	0.11	1.3	0.00	0.00	1.2	0.00	0.00	0.36	0.00	0.27	0.00
17	0.00	0.00	1.3	0.00	0.00	0.69	0.00	0.00	0.21	0.00	1.1	0.00
18	0.00	0.03	0.63	0.00	0.00	0.60	0.00	0.00	0.11	0.00	0.87	0.00
19	0.00	1.1	0.86	0.44	0.00	4.5	0.00	0.00	0.00	0.00	1.9	0.00
20	0.00	0.79	0.61	1.0	0.00	6.5	0.00	0.00	0.00	0.00	1.2	0.00
21	0.00	0.56	0.48	0.67	0.00	1.4	0.00	0.00	0.00	0.00	0.32	0.00
22	0.00	0.15	0.85	0.57	0.00	0.84	0.00	0.00	0.00	0.00	0.17	0.00
23	0.00	0.00	0.51	0.22	0.00	0.60	0.00	0.00	0.00	0.00	0.09	0.00
24	0.00	0.66	0.41	0.01	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	1.6	0.33	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.83	0.22	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.81	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.50	3.5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
29	0.00	0.16	1.2	0.00	---	0.95	0.00	0.00	0.00	0.01	0.00	0.00
30	0.00	0.00	0.61	0.00	---	0.91	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.45	0.00	---	0.59	---	0.00	---	0.00	0.02	---
MEAN	0.00	0.25	0.50	0.12	0.00	1.38	0.13	0.00	0.28	0.00	0.46	0.13
MAX	0.01	1.6	3.5	1.0	0.00	8.3	1.2	0.00	2.2	0.01	3.2	0.98
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	0.11	0.27	0.31	0.46	0.66	1.11	0.23	0.17	0.19	0.21	0.22	0.66
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.35	0.73	0.46	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1999)	(1997)	(2001)	(1998)
MIN	0.00	0.08	0.01	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(1999)	(2000)	(2000)	(2001)	(1999)	(1999)	(2001)	(2000)	(2001)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL MEAN	0.27		0.52	
HIGHEST ANNUAL MEAN			0.76	1998
LOWEST ANNUAL MEAN			0.27	2001
HIGHEST DAILY MEAN	8.3	Mar 15	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 7	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW	78	Mar 15	243	Mar 8, 1998
MAXIMUM PEAK STAGE	6.48	Mar 15	9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW	0.00	Oct 1	0.00	May 7, 1997
10 PERCENT EXCEEDS	0.84		0.94	
50 PERCENT EXCEEDS	0.00		0.07	
90 PERCENT EXCEEDS	0.00		0.00	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.02	0.91	0.00	0.00	0.00	0.93	0.00
2	0.00	0.00	0.00	0.00	0.00	1.5	0.39	0.00	0.00	0.00	0.40	0.00
3	0.00	0.00	0.00	0.00	0.00	0.52	0.25	0.00	0.00	0.02	0.07	0.00
4	0.00	0.00	0.00	0.00	0.00	0.30	0.07	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.03	1.0	0.00
6	0.01	0.00	0.00	0.03	0.08	0.01	0.00	0.00	0.00	0.00	0.40	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	2.1	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	1.3	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	0.00
12	0.01	0.00	0.00	0.00	0.00	0.42	1.0	---	0.00	0.00	0.00	0.00
13	0.14	0.00	0.00	0.00	0.00	0.74	0.89	---	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.01	0.00	0.34	0.69	---	0.00	0.00	0.00	0.01
15	0.00	0.00	0.00	0.00	0.00	0.16	0.47	---	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.36	---	0.00	0.00	0.00	0.00
17	0.00	0.00	0.05	0.00	0.00	0.00	0.22	---	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.06	---	0.00	0.00	---	0.00
19	0.00	0.00	0.00	0.02	0.00	0.00	0.00	---	0.00	0.00	---	0.00
20	0.00	0.00	0.00	0.00	0.10	0.00	0.00	---	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.02	0.00	---	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
23	0.00	0.00	0.03	0.00	0.00	0.00	0.00	---	0.00	0.05	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.02	0.00	0.00
25	0.00	0.16	0.00	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.77	0.00	---	0.00	0.00	0.00	2.0
27	0.00	0.00	0.00	0.00	0.00	0.51	0.00	---	0.00	0.00	0.00	0.63
28	0.00	0.00	0.00	0.00	0.00	0.27	0.00	---	0.00	0.00	0.00	0.13
29	0.00	0.00	0.00	0.00	---	0.04	0.00	---	0.00	0.05	0.00	0.01
30	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00	0.34	0.00	0.00
31	0.00	---	0.00	0.00	---	3.8	---	0.00	---	0.33	0.00	---
MEAN	0.01	0.01	0.00	0.00	0.01	0.31	0.31	---	0.00	0.03	---	0.09
MAX	0.14	0.16	0.05	0.03	0.10	3.8	2.1	---	0.00	0.34	---	2.0
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00	---	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

MEAN	0.09	0.22	0.26	0.38	0.56	0.95	0.25	0.17	0.17	0.18	0.22	0.58
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.35	0.73	0.46	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1999)	(1997)	(2001)	(1998)
MIN	0.00	0.01	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(2002)	(2002)	(2000)	(2001)	(1999)	(1999)	(2001)	(2002)	(2001)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		WATER YEARS 1996 - 2002	
ANNUAL MEAN	0.21		0.52	
HIGHEST ANNUAL MEAN			0.76	1998
LOWEST ANNUAL MEAN			0.27	2001
HIGHEST DAILY MEAN	8.3	Mar 15	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Jan 5	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 5	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW			243	Mar 8, 1998
MAXIMUM PEAK STAGE			9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW			0.00	May 7, 1997
10 PERCENT EXCEEDS	0.60		0.94	
50 PERCENT EXCEEDS	0.00		0.07	
90 PERCENT EXCEEDS	0.00		0.00	

02368326 CANEY CREEK TRIBUTARY NO. 2 NEAR PAXTON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.97	0.00	1.7	0.00	0.00	0.00	12	0.00	0.00
2	0.00	0.00	0.00	0.34	0.00	0.82	0.00	0.00	0.00	1.2	1.7	0.00
3	0.00	0.00	0.00	0.22	0.00	0.40	0.00	0.00	0.00	0.72	1.1	0.00
4	0.00	0.00	0.00	0.08	0.00	0.67	0.00	0.00	0.00	0.49	0.60	0.00
5	0.00	0.04	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.18	0.46	0.05
6	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.15	0.00	0.19	0.02
7	0.00	0.00	0.00	0.00	0.00	1.4	0.05	0.00	1.5	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	1.4	1.1	0.00	1.3	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	1.7	0.68	0.00	0.46	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.79	0.33	0.00	0.07	0.00	0.00	0.00
11	0.00	3.4	0.00	0.00	0.00	0.40	0.13	0.00	0.00	0.69	0.00	0.00
12	0.00	2.1	0.02	0.00	0.00	0.28	0.00	0.00	0.00	2.2	0.00	0.00
13	0.00	0.47	0.01	0.00	0.00	0.26	0.00	0.00	0.04	1.0	0.00	0.00
14	0.10	0.22	0.00	0.00	0.00	0.18	0.00	0.00	0.60	0.55	0.00	0.01
15	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.05	0.31	0.26	0.00	0.00
16	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.25	0.00
17	0.00	0.46	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	1.4	0.00
18	0.00	0.16	0.00	0.00	0.00	0.77	0.00	0.03	0.91	0.00	1.0	0.00
19	0.00	0.13	0.15	0.00	0.00	0.99	0.00	0.01	0.70	0.00	0.72	0.00
20	0.00	0.02	0.00	0.00	0.00	1.4	0.00	0.00	0.40	0.00	0.53	0.00
21	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.01	0.00	0.22	0.00
22	0.00	0.00	0.00	0.00	0.02	0.30	0.00	0.01	0.00	0.03	0.01	0.03
23	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	3.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.51	0.00	0.00	0.00	2.2	0.00	0.00	0.00	0.00	0.00
26	0.15	0.00	0.20	0.00	0.22	0.00	0.28	0.00	0.00	0.03	0.00	0.00
27	0.00	0.00	0.11	0.00	0.72	0.00	0.11	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	1.1	0.00	0.00	0.00
31	0.00	---	1.2	0.00	---	0.00	---	0.00	---	0.00	0.00	---
MEAN	0.01	0.30	0.17	0.05	0.05	0.48	0.16	0.00	0.25	0.62	0.26	0.00
MAX	0.15	3.4	3.1	0.97	0.72	1.7	2.2	0.05	1.5	12	1.7	0.05
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	0.07	0.23	0.25	0.33	0.48	0.88	0.23	0.15	0.18	0.24	0.23	0.51
MAX	0.33	0.61	0.72	1.56	1.36	1.63	0.63	0.55	0.35	0.73	0.46	3.41
(WY)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1996)	(1997)	(1999)	(1997)	(2001)	(1998)
MIN	0.00	0.01	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(2002)	(2002)	(2000)	(2001)	(1999)	(1999)	(2001)	(2002)	(2001)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL MEAN	0.20		0.41	
HIGHEST ANNUAL MEAN			0.76	1998
LOWEST ANNUAL MEAN			0.20	2003
HIGHEST DAILY MEAN	12	Jul 1	47	Sep 29, 1998
LOWEST DAILY MEAN	0.00	Oct 1	0.00	Jun 17, 1998
ANNUAL SEVEN-DAY MINIMUM	0.00	Oct 1	0.00	Jun 23, 1998
MAXIMUM PEAK FLOW	87	Jul 1	243	Mar 8, 1998
MAXIMUM PEAK STAGE	6.92	Jul 1	9.94	Mar 8, 1998
INSTANTANEOUS LOW FLOW	0.00	Oct 1	0.00	May 7, 1997
10 PERCENT EXCEEDS	0.63		0.87	
50 PERCENT EXCEEDS	0.00		0.02	
90 PERCENT EXCEEDS	0.00		0.00	

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Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [(ft^3/s/d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.233×10^{3}	cubic meter (m^3)
	1.233×10^{-3}	cubic hectometer (hm^3)
	1.233×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$

USGS

U. S. Geological Survey—**Water Resources Data, Florida, Water Year 2004, Volume 4. Northwest Florida**—FL-04-4