



Water Resources Data Georgia Water Year 1996



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-96-1
Prepared in cooperation with the State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

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

1996

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

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

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



Water Resources Data Georgia Water Year 1996

by W.R. Stokes III and R.D. McFarlane



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-96-1
Prepared in cooperation with the State of Georgia
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR
BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY
Gordon P. Eaton, Director

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PREFACE

This volume of the annual hydrologic data report of Georgia 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 network 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 the private sector and local, State, and Federal agencies for developing and managing our Nation's land and water resources. Hydrologic data for Georgia are contained in one volume.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the State of Georgia and with other agencies under the general supervision of Timothy W. Hale, District Chief, Georgia.

REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE May 2, 1997		3. REPORT TYPE AND DATES COVERED Annual--10/01/95 to 09/30/96
4. TITLE AND SUBTITLE WATER RESOURCES DATA GEORGIA, WATER YEAR 1996				5. FUNDING NUMBERS
6. AUTHOR(S) W.R. Stokes, III and R.D. McFarlane				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Geological Survey, WRD, Georgia District Peachtree Business Center 3039 Amwiler Road, Suite 130 Atlanta, Georgia 30360-2824				8. PERFORMING ORGANIZATION REPORT NUMBER USGS-WDR-GA-96-1
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Geological Survey, WRD, Georgia District Peachtree Business Center 3039 Amwiler Road, Suite 130 Atlanta, Georgia 30360-2824				10. SPONSORING / MONITORING AGENCY REPORT NUMBER USGS-WDR-GA-96-1
11. SUPPLEMENTARY NOTES Prepared in cooperation with the State of Georgia and other Federal agencies.				
12a. DISTRIBUTION / AVAILABILITY STATEMENT No restrictions on distribution. This report may be purchased from U.S. Department of Commerce, NTIS 5285 Port Royal Road, Springfield, Virginia 22161				12b. DISTRIBUTION CODE
13. ABSTRACT (Maximum 200 words) Water-resources data for the 1996 water year for Georgia consists of records of stage, discharge, and quality of streams; stage and contents of lakes and reservoirs; ground-water levels; and precipitation quality. This report contains discharge records of 131 gaging stations; stage for 25 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 180 continuing-record stations; and peak stage and discharge only for 104 crest-stage partial-record stations; water levels of 24 observation wells, and water quality for 1 precipitation-quality site. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.				
14. SUBJECT TERMS *Georgia, *Hydrologic data, *Surface water, *Ground water, *Water quality, *Precipitation quality, Flow rate, *Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses				15. NUMBER OF PAGES 680
				16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT	

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

[Letters after station names designate type of data: (d) discharge; (g) gage height; (c) chemical;
(m) microbiological, (s) sediment; and continuously monitored water-quality characteristics;
(k) specific conductance; (h) pH; (t) water temperature; and (o) dissolved oxygen]

	Station number	Page
SAVANNAH RIVER BASIN		
Chattooga River (head of Savannah River) near Clayton (dcm)	02177000	33
Tallulah River near Clayton (d)	02178400	37
Savannah River below Hartwell Lake, near Hartwell (d)	02187252	39
Beaverdam Creek above Elberton (d)	02188600	40
Broad River near Bell (d)	02192000	42
Little River:		
Kettle Creek near Washington (d)	02193340	44
Little River near Washington (d)	02193500	46
Savannah River near North Augusta, S.C. (d)	02196484	48
Savannah River at Augusta (d)	02197000	50
Savannah River below Spirit Creek, near Augusta (cm)	02197065	52
Savannah River near Jackson, S.C. (d)	02197320	54
Savannah River at Burtons Ferry Bridge, near Millhaven (d)	02197500	55
Brushy Creek near Wrens (d)	02197600	57
Brier Creek at Millhaven (d)	02198000	59
Beaverdam Creek near Sardis (d)	02198100	61
Savannah River near Clio (dcm)	02198500	63
Ebenezer Creek at Springfield (d)	02198690	68
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Savannah (Front) River at U.S. 17, at Port Wentworth (gk)	02198920	74
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Little Back River above Lucknow Canal, near Limehouse, S.C. (k)	021989784	80
Little Back River near Limehouse (g)	02198979	82
Little Back River at U.S. Fish and Wildlife Dock, near Limehouse, S.C. (k)	021989791	84
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Ogeechee River BASIN		
Ogeechee River:		
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Ogeechee River near Eden (d)	02202500	96
Black Creek near Blitchton (d)	02202600	98
Canoochee River near Claxton (d)	02203000	100
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South River at Klondike Road, near Lithonia (dto)	02204070	102
South River at Snapping Shoals (cm)	02204520	108
Yellow River near Snellville (d)	02206500	110
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Falling Creek near Juliette (d)	02212600	120
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Sugar Creek:		
Turnpike Creek near McRae (dc)	02216180	147
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Flint River near Inman (cm)	02344380	401
Flint River above Griffin (cm)	02344400	402
Flint River near Griffin (dcm)	02344500	404
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Red Oak Creek near Imlac (cm)	02344960	411

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

	Station number	Page
APALACHICOLA RIVER BASIN--Continued		
Chattahoochee River--Continued		
Flint River near Molena (cm)	02345000	412
Elkins Creek at Molena (cm)	02345330	413
Flint River near Thomaston (cm)	02346180	414
Lazar Creek near Talbotton (cm)	02346195	415
Potato Creek near Thomaston (cm)	02346500	416
Bell Creek near Lincoln Park (cm)	02346540	417
Flint River near Culloden (dcm)	02347500	418
Flint River near Roberta (cm)	02348060	421
Patsiliga Creek near Reynolds (cm)	02348300	422
Flint River near Marshallville (cm)	02348440	423
Buck Creek:		
Whitewater Creek near Oglethorpe (cm)	02349140	424
Buck Creek near Ideal (cm)	02349400	425
Flint River at Montezuma (dgc)	02349500	426
Camp Creek near Oglethorpe (cm)	02349640	429
Turkey Creek at Byromville (d)	02349900	430
Turkey Creek at Drayton (cm)	02349985	432
Flint River near Vienna (cm)	02350001	433
Lime Creek near Cobb (cm)	02350080	434
Gum Creek at Coney (cm)	02350220	435
Flint River at State Highway 32, near Oakfield (d)	02350512	436
Kinchafoonee Creek at Preston (cm)	02350600	438
Kinchafoonee Creek near Dawson (dcm)	02350900	439
Muckalee Creek near Americus (cm)	02351500	442
Muckalee Creek at State Highway 195, near Leesburg (dcm)	02351890	443
Flint River at Albany (dgc)	02352500	446
Flint River near Putney (cm)	02352790	449
Raccoon Creek near Baconton (cm)	02352920	451
Coolewahee Creek near Newton (cm)	02352980	452
Flint River at Newton (dcm)	02353000	453
Ichawaynochaway Creek:		
Pachitta Creek near Edison (dcm)	02353400	457
Ichawaynochaway Creek at Milford (dcm)	02353500	460
Chickasawhatchee Creek near Albany (cm)	02354350	463
Chickasawhatchee Creek at Elmodel (dcm)	02354500	464
Ichawaynochaway Creek near Elmodel (d)	02354800	467
Ichawaynochaway Creek below Newton (dcm)	02355350	469
Big Slough below Camilla (cm)	02355830	473
Big Slough at State Highway 97, near Bainbridge (cm)	02355950	474
Flint River at Bainbridge (g)	02356000	475
Flint River below Bainbridge (cm)	02356015	476
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Spring Creek near Iron City (dcm)	02357000	479
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MOBILE RIVER BASIN		
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Coosawattee River (continuation of Cartecay River) near Ellijay (dcm)	02380500	490
Talking Rock Creek:		
Talona Creek:		
Fausett Creek near Talking Rock (d)	02381600	493
Talking Rock Creek near Blaine (cm)	02381895	495
Talking Rock Creek near Hinton (d)	02382200	496
Coosawattee River at Carters (dcm)	02382500	498
Sallacoa Creek:		
Pine Log Creek at Sonoraville (cm)	02383110	501
Coosawattee River near Pine Chapel (d)	02383500	502
Coosawattee River near Calhoun (cm)	02383540	504
Conasauga River:		
Jacks River at Alacolsy (cm)	02383800	505
Conasauga River near Tennga (cm)	02384000	506
Conasauga River near Eton (d)	02384500	507
Mill Creek near Crandall (d)	02384540	509
Conasauga River near Dalton (cm)	02384748	511
Coahulla Creek near Dalton (cm)	02385250	513
Holly Creek near Chatsworth (d)	02385800	514
Holly Creek below Chatsworth (cm)	02386100	516
Conasauga River at Tilton (dcmkhto)	02387000	517
Conasauga River near Resaca (cm)	02387050	529

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Oostanaula River below Resaca (cm)	02387502	533
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Etowah River at Allatoona Dam, above Cartersville (dcm)	02394000	550
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Etowah River at State Highway 1 Loop, near Rome (d)	02395980	561
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Well 315950081161201, Local number 35P094.....	315950081161201	632
Well 320021081124801, Local number 36Q020	320021081124801	633
Well 320122080510204, Local number 39Q003	320122080510204	634
Well 320202080541201, Local number 38Q002	320202080541201	635
Well 320530081085001, Local number 36Q008	320530081085001	636
COOK COUNTY		
Well 310813083260301, Local number 18H016.....	310813083260301	637
DECATUR COUNTY		
Well 305736084355801, Local number 09F520	305736084355801	638
DOUGHERTY COUNTY		
Well 313532084203501, Local number 11L002	313532084203501	639
Well 313554084062501, Local number 13L002	313554084062501	640
Well 313748084002901, Local number 13L003	313748084002901	641
FULTON COUNTY		
Well 334207084254801, Local number 10DD02	334207084254801	642
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Well 311007081301702, Local number 33H133.....	311007081301702	643
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INTRODUCTION

Water resources data for the 1996 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records of 131 gaging stations; stage for 25 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 180 continuing-record stations; peak stage and discharge only for 104 crest-stage partial-record stations; water levels of 24 observation wells, and water quality for 1 precipitation-quality site. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological water-supply papers entitled, "Surface-Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperature, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Branch of Information Services, Federal Center, Box 25286, Denver, CO 80225.

For water years 1961 through 1970, streamflow data were released by the U.S. Geological Survey in annual reports on a State-boundary basis prior to the two 5-year series water-supply papers which cover this period. The data contained in the water-supply papers are considered the official record. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-96-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page.

COOPERATION

The U.S. Geological Survey and organizations of the State of Georgia have had cooperative agreements for the systematic collection of streamflow records since 1896, and for water-quality records since 1937. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Georgia Department of Natural Resources,
Joe D. Tanner, Commissioner
Georgia Department of Transportation,
Wayne Shackelford, Commissioner
Bibb County
Glynn County
Gwinnett County
City of Albany
City of Atlantapulus
City of Blairsville
City of Brunswick
City of Covington

City of Helena
City of Moultrie
City of Springfield
City of Thomaston
City of Valdosta
Albany Water, Gas and Light Commission
Atlanta Regional Commission
Cherokee County Water and Sewerage Authority
Clayton County Water Authority
Macon-Bibb County Water and Sewerage Authority
Monroe Water, Light and Gas Commission

Assistance in the form of funds and/or services was given by the following Federal agencies:

U.S. Army Corps of Engineers
U.S. Department of Agriculture
Agricultural Research Service
Tennessee Valley Authority
U.S. Department of Commerce
National Weather Service
National Oceanic and Atmospheric Administration

The following organizations aided in collecting records:

Georgia Power Company
Oglethorpe Power Company
Crisp County Power Commission
Alabama Power Company

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Runoff during the 1996 Water Year ranged from more than 160 percent of normal for two streamflow stations in northern Georgia to less than 25 percent of normal for two streamflow stations in the southern part of the State. Annual runoff north of a line from Columbus on the Georgia-Alabama line in west-central Georgia through Macon to Augusta on the Georgia-South Carolina line in east-central Georgia was above normal. For streamflow stations in this area, the ratios of runoff during the year to long-term runoff increased from an average near normal, about 1.1, along the line to more than 1.5 for many stations scattered across northern Georgia. Excluding one station in the Atlanta Metropolitan area, Yellow River near Snellville, where runoff has been significantly affected during the last several years by increasing urbanization, the runoff ratios across the northern half of the State averaged almost 1.4 and ranged from 1.08 at Upatoi Creek near Columbus to 1.64 at Ocmulgee River near Jackson and Suwannee Creek near Suwannee. Moving south from the Columbus-to-Augusta line toward the Georgia-Florida line, annual runoff decreased significantly, especially in the eastern and central areas of southern Georgia where runoff was lowest. In extreme southeastern and south-central Georgia, streamflow station runoff ratios averaged slightly less than 0.3 and a little more than 0.4, respectively. In southwestern Georgia, annual runoff was more nearly normal. The runoff ratio for all streamflow stations in this area was greater than 0.85, except for Spring Creek near Iron City in the southwestern corner of the State. Across extreme southern Georgia, the runoff ratio ranged from a high of 0.66 in the southwestern corner at Spring Creek near Iron City to a low of 0.23 at Satilla River near Waycross and Little Satilla River near Offerman in the southeastern corner.

Monthly mean flow for streamflow stations ranged from significantly below normal in southern Georgia to well above normal in central and northern Georgia. Across southern Georgia, monthly mean flow was below normal for the entire year. The nearest normal month was April and averaged about 74 percent of normal. The lowest flow when compared to normal occurred in July and averaged only about 15 percent of normal. Across the remainder of the State, the lowest flow also occurred in July and averaged about 50 and 60 percent of normal in central and northern Georgia, respectively. When compared to normal, the highest monthly mean flow in these areas occurred in October and November, and for the two months averaged about 185 and 245 percent of normal across central Georgia and northern Georgia, respectively. Figure 1 shows monthly discharges and yearly mean discharges for the 1996 water-year and the median monthly and yearly mean discharges for 1961-90 at three representative long-term gaging stations.

During the year, significant low- or high-flow extremes at streamflow stations throughout the State were almost non-existent. Over the State, the recurrence interval of minimum flow for most streamflow stations was only about 2 years or less. Across extreme southern Georgia, where annual runoff was lowest, the low-flow recurrence interval was generally 5 years or less. Only two stations located in the southwestern part of the State, where there is significant water-withdrawal for irrigation, had minimum flow with a recurrence interval as high as about 10 years. These stations were undoubtedly affected by irrigation pumpage. Two periods of heavy rainfall, one in early October and the other in late January, produced minor flooding at streamflow stations across northern Georgia. In the Metropolitan Atlanta area, runoff in early October from rainfall caused by Hurricane Opal resulted in a peak flow of 12,800 cubic feet per second (ft^3/s), the highest in 38 years of streamflow record at Yellow River near Snellville. Flood flow at this station was enhanced significantly by increasing urbanization during the last several years, as evidenced by Peachtree Creek at Atlanta, which as a result of Hurricane Opal, reached a peak flow of 8,010 ft^3/s , only the eighth highest in 39 years of streamflow record. The Peachtree Creek station, located in the City of Atlanta, has been classified as an urban stream for many of the 39 years of streamflow record. Two other streamflow stations in northwest Georgia had annual peak discharges caused by Hurricane Opal with recurrence intervals of about 10 years. Runoff from heavy rainfall in late January also produced minor flooding north and east from the Metropolitan Atlanta area. The peak flow for Sope Creek near Marietta, located in north Metropolitan Atlanta and also affected by increasing urbanization, had a recurrence interval of about 25 years. The late January storm also produced a 25-year flood at Two Run Creek near Kingston and approximately a 10-year flood at four other stations in northeast Georgia. Locally heavy rainfall in early March caused peak flows with recurrence intervals of almost 10 years at two streamflow stations in north-central Georgia. At all other streamflow stations across the State, the peak-flow recurrence interval was about 5 years or less and for most stations was 2 years or less.

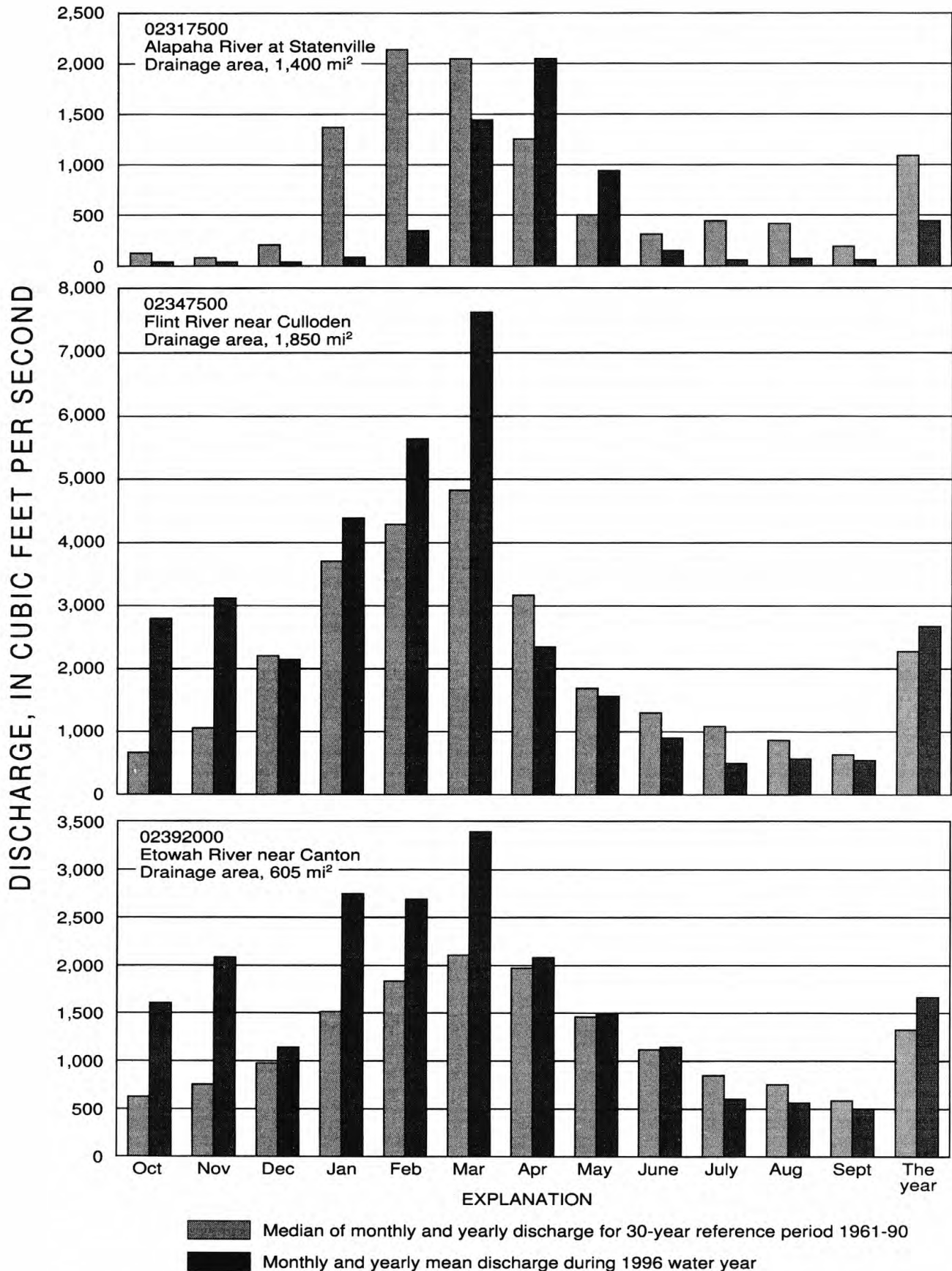


Figure 1. Comparison of discharge at three representative long-term gaging stations during 1996 water year with median discharge for 30-year reference period, 1961-90.

Water-Quality

In cooperation with the Environmental Protection Division (EPD) of the Georgia Department of Natural Resources, continuing chemical-quality network data collection continued through the water year according to the river-basin management planning approach to water protection as adopted by the EPD. The basin management plan is in its second year of implementation and for most water-quality network stations data are collected monthly on a calendar-year basis. During water year 1996, the last three months of samples were obtained for stations in the Chattahoochee and Flint River basins, the first basin group selected for data collection, and the first nine months of sampling was accomplished for the Oconee, Coosa and Tallapoosa River basins, the second basin group selected for data collection. Data were also obtained for 12 samples at 33 "core" stations, long-term stations scattered over the State and sampled monthly, some of which are located in the two basin groups noted above. This report contains all data collected during the 1996 water year for the continuing chemical-quality network, and other data collected in cooperation with the EPD and in support of river-basin water-resources planning and management. These data are also supplemented by data from other Water Resources Division water-quality programs such as National Water-Quality Assessment (NAWQA). Large parts of the Georgia-Florida Coastal Plain and Apalachicola-Chattahoochee-Flint basin NAWQA study units are located in Georgia.

Ground Water

Mean ground-water levels for 24 observation wells in Georgia ranged from 11.3 feet (ft) lower to 4.6 ft higher in the 1996 water year than in the 1995 water year. In northern Georgia, mean water levels in the crystalline rock aquifers were from 0.2 to 0.3 foot (ft) higher in 1996 than in 1995. Along the coast, mean water levels in the Floridan aquifer system were from 2.2 ft lower to 4.6 ft higher in 1996 than in 1995. In the Savannah area, mean water levels in the Floridan aquifer system were from about the same to 4.6 ft higher in 1996 than in 1995. The mean water level in the shallow water-table aquifer near Savannah was 1.3 ft lower in 1996 than in 1995. In the Jesup, Riceboro, Brunswick, and Okefenokee Swamp areas, mean water levels in the Floridan aquifer system were from 2.1 to 9.4 ft lower in 1996 than in 1995 and record low water levels were recorded in 15L020 in Worth County and well 18H016 in Cook County. Mean water levels in the Clayton aquifer of southwestern Georgia were from 2.6 to 11.3 ft lower in 1996 than in 1995.

Additional information concerning ground-water level fluctuations in the State can be found in U.S. Geological Survey Open-File reports entitled, "Ground-water Conditions in Georgia, 1995", which includes data for calendar year 1995, and "Ground-water Conditions in Georgia, 1996", which includes data for calendar year 1996.

Water Use

The Georgia Water-Use Program, a joint project between the U.S. Geological Survey and the Georgia Department of Natural Resources, Environmental Protection Division, Georgia Geologic Survey, has focused on the use of water in the State since 1977. The primary purpose of the program is to collect, compile, and disseminate data on the principal water users in Georgia. Water-use data, compiled by various Federal, State and local agencies, are combined into a centralized data base known as the Georgia Water Use Data System (GWUDS). GWUDS contains permitted water-use information on public-supply, industrial and commercial, thermoelectric, and hydroelectric uses, from 1980-96. USGS estimates water withdrawals for irrigation use by inches of water applied per crop and acre; domestic water use by population and per capita; and livestock water use by animal.

Georgia Law requires a permit for all public supply, industrial, and other water users that withdraw more than 100,000 gallons per day (gal/d). The Georgia Department of Natural Resources, Environmental Protection Division, Water Resources Management Branch (WRMB), is responsible for the issuance of all permits and the enforcement of reporting requirements. Each year, water users are required to report monthly withdrawals to the WRMB. In 1988, the Georgia Legislature enacted a permitting law for irrigation water users that withdraw more than 100,000 gal/d; however, reporting of water-withdrawal amounts to the WRMB is not required. Permitted withdrawals from ground- and surface-water sources for water years 1991-1996 are shown on figure 2.

Reported off-stream withdrawals for the water-use categories of thermoelectric, public supply, and industrial and commercial totaled about 4,989 million gallons per day (Mgal/d) in 1996, a decrease of about 2 percent from 1995 withdrawals. In 1996, 17 thermoelectric plants, the largest water users in Georgia, withdrew about 3,016 Mgal/d mostly from surface-water sources; 7 percent less than in 1995. Permitted withdrawals by 304 public-supply systems totaled about 1,100 Mgal/d, of which about 80 percent were from surface-water sources. Permitted withdrawals by 256 industrial and commercial users totaled about 890 Mgal/d, about 92 Mgal/d less than in 1995. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

In 1996, hydroelectric power generation, the only in-stream use compiled by the Georgia Water-Use Program, totaled about 51,000 Mgal/d (51 billion gallons per day) for 38 permitted hydroelectric plants in Georgia.

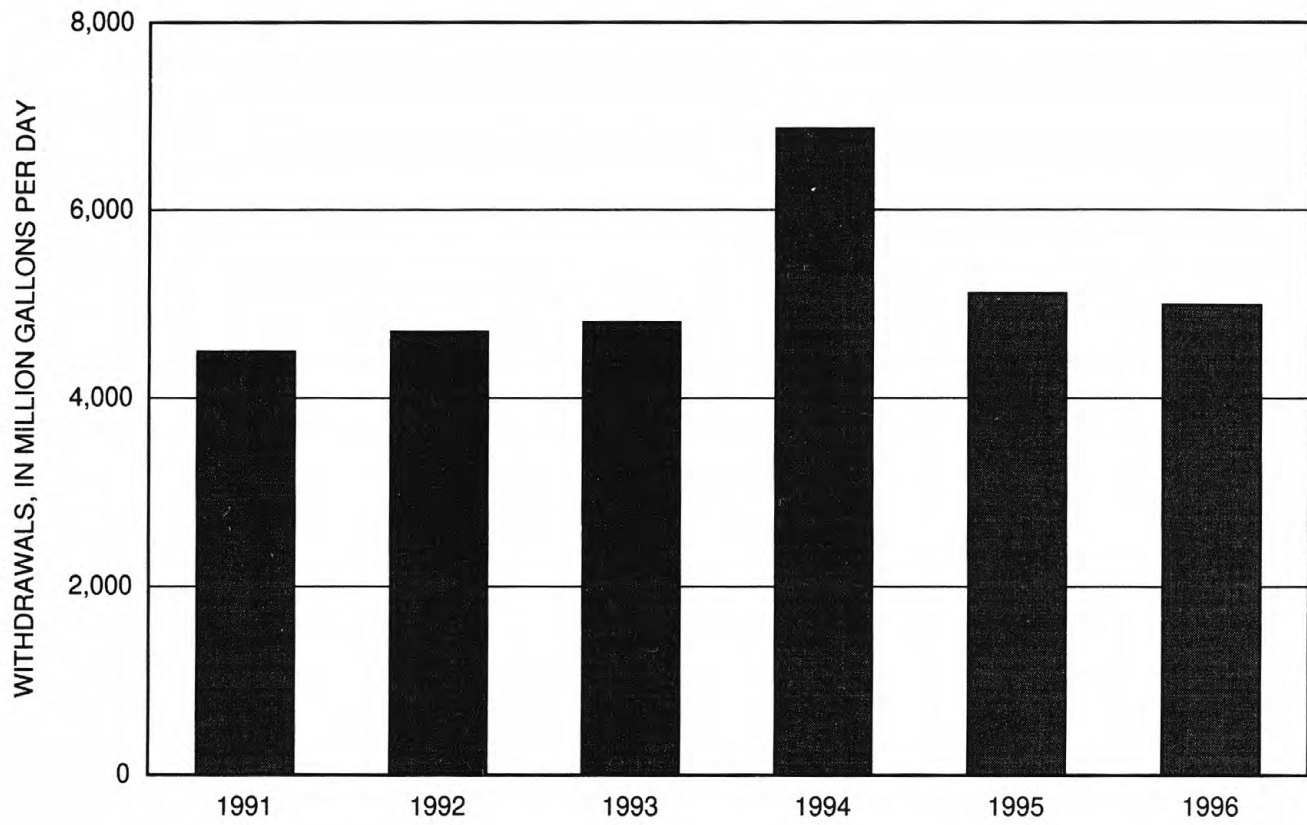


Figure 2. Permitted withdrawals from ground- and surface-water sources for water years 1991-1996

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 142 sites in the NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objective of NASQAN is to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis and reporting such that the data may be used (1) for the description of the areal variability of water quality in the Nation's rivers through the analysis of data from this and other programs, (2) for the detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (3) to provide a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesigned in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

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

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

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

Explanation of Records

The surface-water and ground-water records published in this report are for the 1994 water year that began on October 1, 1993, and ended September 30, 1994. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and contents data for lakes and reservoirs, water-quality data for surface water, ground-water-level data, and precipitation-quality data. The locations of the stations and wells where the data were collected are shown in figures 7-10. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station in this report, whether streamsite, well, or other site, is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The system used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for surface-water stations and the "latitude-longitude" system is used for wells and other off-stream sites.

Downstream Order System

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

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete number for each station, such as 02351890, which appears just to the left of the station name, includes the two-digit Part number "02" plus the downstream-order number "351890", which can be from six to 12 digits. Most of the station-identification numbers in this report are eight digits; however, up to 14 digit numbers are permissible.

Latitude-Longitude System

The identification numbers for wells and other off-stream sites, such as rain gages, are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid as shown in figure 6. This site-identification number, once assigned, is a pure number, and has no location significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description.

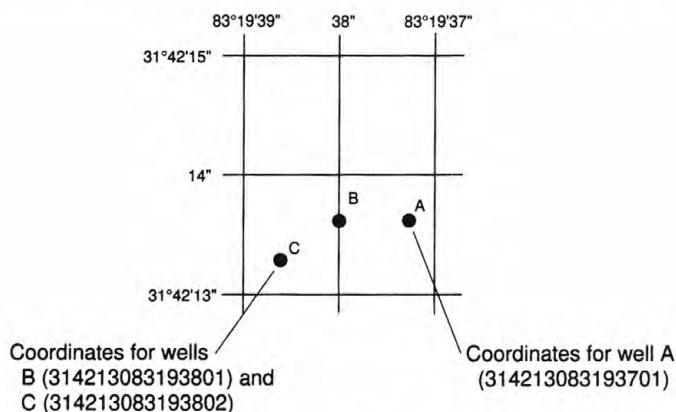


Figure 3.—System for numbering wells and other off-stream sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of stage or discharge are those obtained using a continuous or specified time-interval stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Occasionally, other parameters such as tainter gate openings and stream velocity will also be needed to compute discharges. Stations for which daily mean discharges or gage heights are published are referred to as "daily stations".

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous peak discharge at selected sites or of measurements from specific studies, such as low-flow seepage studies, may be considered as partial records and these are presented under the appropriate heading. Locations of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 7 and 8.

Data Collection and Computation

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

Continuous records of stage are obtained with devices that record stage values at selected time intervals or with analog recorders that trace continuous graphs of stage. Measurements of discharge are made with current meters using methods adapted

by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods referenced above are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect

measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

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

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

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

Computation of records of lake or reservoir contents requires a stage-contents relation which can be obtained from surveys, curves, or tables defining this relationship. The application of stage to the stage-contents curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-contents relation changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relation.

Data Presentation

Streamflow data in the report are presented in a new format that is considerably different from the format in data reports prior to the 1992 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

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

Station 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 to follow clarify information presented under the various headings of the station manuscript.

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

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

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent

station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

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

GAGE.--The type of gage in current use, the datum of the current gage referred to mean sea level (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items.

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

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

PEAK DISCHARGES FOR CURRENT YEAR.--For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330.

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

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtain the record from published data reports may wish to contact the District office to determine if the published records were revised after the station was discontinued. Data obtained from computer files for discontinued stations will be current since these files are updated with appropriate revisions at the time revisions are made.

Manuscript information for lake or reservoir stations differs slightly from that for stream and stage stations. A paragraph describing the dam, beginning storage date, if known, and pertinent contents and elevation information is included in the description. Normally there is no "REMARKS" section. "EXTREMES" sections are presented only for those reservoirs where daily or more frequent pool elevations are available.

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily and instantaneous flows, not only for the current 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

record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below.), except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

There are several exceptions to the above described format. First, if a station was operated under both non-regulated and significantly regulated flow regimes, two sets of monthly mean and summary statistics are furnished. One set of monthly mean and summary statistics represents the period prior to regulation, and the second set represents the period since flow has been regulated. The summary statistics prior to regulation do not include current calendar or water year statistics since they are included in the SINCE REGULATION summary statistics. Also, in the station manuscript there is an AVERAGE DISCHARGE line heading, which is

the arithmetic mean of the complete water-year mean discharges for the entire period of record, and includes both the regulated and non-regulated periods of record. Some AVERAGE DISCHARGE computations may include mean discharges adjusted for reservoir storage or diversion. Another exception occurs when discharge records are fragmentary for various reasons. Then, the monthly mean and summary statistics have been eliminated or modified, based on available information, and EXTREMES FOR PERIOD OF RECORD and EXTREMES FOR CURRENT YEAR line headings have been included in the station manuscript. Extremes may include maximum and minimum stages and maximum and minimum discharges. The highest stage may have been obtained from a graphic, digital, or electronic recorder, a crest-stage gage, or by direct observation. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and reported in the same manner as the maximum.

The daily table of gage-height stations gives mean gage-height for each day. In the monthly summary, the line headed "MEAN" gives the average gage height during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily gage heights, respectively, for the month.

Data for reservoirs are presented following the continuous-station data for the basin in which they are located. Monthend elevations, contents, and monthly and yearly change in contents are presented in tabular form following the reservoir station description.

Data collected at partial-record stations follow the information for continuous-record sites. If collected, data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The data contained in the partial-record station tables are often supplemented by information gathered at miscellaneous sites which are neither continuous record nor partial-record stations. This information is presented in tables similar to those for the partial-record stations and the table headings explain the data which are shown.

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to the nearest whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for values more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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

Other Records Available

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

The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, indexes the water data available from more than 400 organizations, and serves as a focal point to help those in need of water data to determine what information is available. Information and assistance on how to use this system can be obtained from the Georgia District office.

Records of Surface-Water Quality

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

Classification of Records

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

A careful distinction needs to be made between "continuing records", as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface-water appear in this report are shown in figure 9.

On-Site Measurements and Sample Collection

A primary concern of the water-quality data acquisition efforts of the U.S. Geological Survey is how well the data collected represent on-site water-quality conditions. Measurements of unstable variables such as water temperature, pH, and dissolved oxygen are made on site when samples are taken to assure that the reported readings accurately represent the water-quality at the time of sampling. Standard U.S. Geological Survey procedures for the collection, treatment, and, if necessary, shipment of samples prior to laboratory analysis are also followed to assure that the constituents for which these samples are analyzed have changed minimally from their on-site values. These representative sampling procedures are documented in publications on "Techniques of Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These TWRI's are listed in the "Publications on Techniques of Water-Resources Investigations" section of this report. The procedures are consistent with ASTM standards and generally follow ISO standards. Supplemental information to that found in the listed references may be obtained from the U.S. Geological Survey, Georgia District Office.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream-Quality Accounting Network (NASQAN) program are obtained from at least several verticals. Whether samples collected at other sites are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

Water Temperature

Water temperatures are measured at the water-quality stations, and are also obtained at the time of discharge measurements for water-discharge stations. At stations where recording instruments are used, maximum and minimum temperatures for each day are published. Daily-mean temperatures for these stations and water temperatures measured at the time of water-discharge measurements are on file in the District Office.

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 discharge

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples are usually 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. Although data collected periodically may represent conditions only at the time of sampling, data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of a stream. The methods used in the computation of sediment records are described in the TWRI Book 5, Chapter C1 and are consistent with ASTM standards and generally follow ISO standards.

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 indicator bacteria are analyzed locally. Samples for the National Stream-Quality Accounting Network, the Hydrologic Benchmark Network (see definitions), and several long-term trend stations are analyzed in the U.S. Geological Survey laboratory in Arvada, Co. All sediment samples are analyzed by the Alabama District Sediment Laboratory or the Pennsylvania District Sediment Laboratory. Georgia Environmental Protection Division (EPD) network samples are analyzed by the Laboratory Services Section, Georgia Department of Natural Resources, Environmental Protection Division, and this is so stated in the

"Remarks" section of the station description. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

Water-quality records collected at a surface-water daily-record station are published immediately following that record, regardless of the sampling frequency. Station number and name are the same for both records. If no daily surface-water record is available, continuing water-quality record is published with its own station number and name in the regular downstream-order sequence, while data for partial-record stations and miscellaneous sites appear in separate tables following tables of discharge at partial-record stations and miscellaneous sites. Here each partial-record station and miscellaneous site is published with its own station number and name in the regular downstream-order sequence and without descriptive statements.

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 constituents measured daily. Tables of chemical, physical, biological, and radiochemical data obtained at a frequency less than daily are presented first. In tables where both field and laboratory measurements of the same parameter are published (pH, specific conductance, and total alkalinity in this report), the laboratory determinations represent the quality of the sample at the time of analysis. Laboratory values for parameters measured in the field generally will be comparable to the field values for these parameters. Differences between the field and laboratory values represent a summation of (1) actual changes in the sample between the time of collection and the time of analysis, (2) errors in precision associated with instrument operation, and (3) errors in accuracy inherent in the instruments themselves. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

If the location is identical to that of the discharge-gaging station, the LOCATION and the DRAINAGE AREA statements are not repeated in the descriptive headings. The following information, as appropriate, is provided with each continuing record station. Comments that follow clarify information presented under the various headings of the station description:

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

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

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

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

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

Remark Codes

The remark codes that may appear with the water-quality data in this report are as follows:

PRINTED OUTPUT

REMARK

E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (Organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Records of Ground-Water Levels

Water-level data from National and State networks of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the State's most important aquifers. Locations of the observation wells in this report are shown in figure 10.

Although, in this report, records of water levels are presented for fewer than 25 wells, records are obtained through cooperative efforts of many Federal, State, and local agencies for about 1,400 wells throughout Georgia and are placed in computer storage. Each spring, the Georgia District and the Georgia Department of Natural Resources, Environmental Protection Division, Geologic Survey Branch, publish a report for the previous calendar year entitled "Ground-Water Data for Georgia, 199_". This report contains hydrographs of recorder wells, detailed maps showing water levels from the previous year, and other useful items. Information about the availability of the data in the water-level file may be obtained from the District Chief, U.S. Geological Survey, Georgia District.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used ensure that measurements at each well are consistently accurate and reliable.

Tables of water-level data are presented alphabetically by county. The primary identification number for a given well is the 15-digit number that appears in the first line of the manuscript. The secondary identification number is the Local well number, derived according to a well-numbering system developed by the Georgia District Office, WRD, and based on the USGS index of 7¹/₂-minute topographic maps for Georgia. A matrix has been created to assign an alphanumeric designation to each topographic map in the State, with the column of maps covering the western-most portion of the State assigned the number "01" and the row of maps covering the southern-most portion of the State assigned the letter "A". Column numbers increase sequentially from west to east, and row letters advance alphabetically from south to north. Rows north of "Z" are designated by double letters; AA, BB, and so forth. The letters "I", "O", "II", and "OO" are not used. Each well in each 7¹/₂-minute quadrangle has been assigned a six-character designation consisting first of the column number, then of the row letter, or letters, of the quadrangle in which the well is located. The remaining digits of the local well number are assigned chronologically. The first well inventoried within the boundaries of a quadrangle is number 1. The number 1 is preceded by two zeros if the well is located on a quadrangle with a single-letter designation, and it is preceded by one zero if the well is located on a quadrangle with a double-letter designation. For example, the first well inventoried in the 08G quadrangle is designated the local well number 08G001, or the fourth well inventoried in the 11AA quadrangle is designated the local well number 11AA04.

Water-level records are obtained from the graph or punched tape of a water-stage recorder. The 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 is given in the well description.

Data Presentation

Each well record consists of three parts, the station description, graphs of the water levels for the period of record and current water year, and a summary of water levels for the current water year consisting of the "MEAN", the average water level in feet for each month; the "LOW" and "HIGH", the lowest and highest daily mean water levels, respectively, for each month; and the annual water year mean water level based on available data and the highest and lowest water levels of the water year and their dates of occurrence are shown on the line below the monthly summary. If missing record occurs during the water year, it is implied that the highest and lowest water levels are the highest and lowest recorded water levels of the water year.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and(or) screened interval method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) mean sea level; it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers. Periods of missing record are described in this section.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest daily mean water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

Hydrographs for selected periods of record follow the station description. The first hydrograph is a period-of-record hydrograph of monthly mean water levels in feet above or below land-surface datum. The second is a hydrograph of daily mean water levels in feet above or below land-surface datum for the current water year. Missing records are indicated by blank areas on the hydrograph. Summary statistics of monthly and annual water levels for the current water year follow each hydrograph for the current water year.

Records of Precipitation Quality

The precipitation-quality data presented in this report represent analyses of time-composite samples, most often for a collection period of one week. This is in contrast to most of the published surface-water quality data which represent samples taken at specific times.

On-Site Measurements and Sample Collection

Precipitation samples are collected with wet/dry collectors or bulk samplers. The wet/dry collector is the preferred precipitation sampler and consists of a bucket which is open only during periods of wet (rainfall, snow, etc.) precipitation. During dry periods the sample bucket is covered, thus excluding dry-fall precipitation from the sample. Bulk samplers are less desirable because they collect both wet- and dry-fall precipitation. However, they are useful as backups during times when the wet/dry samplers fail to properly function. Bulk samplers consist of a catchment area, such as a funnel, where the sample is collected and then fed through a delivery tube to the sample receptacle. The tubing is looped in order to minimize sample evaporation. If necessary, wet/dry samplers can also be used as makeshift bulk samplers by leaving them in the open position for the collection period.

Accurate measurements of precipitation quantity also are made at each station. One of two types of recording gages is normally used. National Trends Network (NTN) stations are equipped with weighing-bucket rain gages, which graphically record rainfall as well as count rainfall events. The other commonly-used recording gage consists of a rainfall catchment pipe and a float-driven digital recorder which periodically records the water-level in the pipe.

Time-composite wet- and bulk-precipitation samples are collected and brought back to the laboratory and weighed. Rainfall quantity is estimated from the sample weight. A temperature-density correction can be applied if desired but normally this correction results in a very small change in the estimated quantity of rainfall. An estimation of the sampler efficiency is made by computing the ratio of rainfall amount collected in the sample bucket to that measured by the recording rain gage. This collector efficiency ratio is an important indicator of possible collector malfunction. For example, a ratio substantially less than one indicates that the wet/dry collector was not opening properly and thus, excluding rainfall.

After weighing the sample, a small portion is removed for measurement of pH, specific conductance, and, in some instances, titratable acidity. The pH and specific conductance are both determined electrometrically according to methods described in the National Atmospheric Deposition Program "NADP Instruction Manual: Site Operation". The remainder of the sample is then used for laboratory chemical analyses. This portion of the sample is shipped to the laboratory raw and untreated. In the case of NTN operation, the original bucket is resealed and mailed to the Illinois State Water Survey Central Analytical Laboratory (CAL) for analysis. In all other instances, sample portions are preserved, treated, and analyzed according to specific project requirements.

Data presentation

Records of precipitation quality are published following the "Records of ground-water" section of this report. As with records of daily water discharge and surface-water quality, precipitation-quality records consist of two parts, a station header and a data table. The station header contains the descriptive information pertinent to the establishment, location, and operation of the site. Records are presented alphabetically by county and, within each county, by latitude, longitude, and sequence number. As with ground-water wells, the primary site identifier used for precipitation-quality stations in this report is the 15-digit composite of these three numbers. The following text presents a clarification of the subheadings which follow the station identification number and station name.

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

PERIOD OF RECORD.--This indicates the periods for which there are published precipitation-quality records for the station. Periods of record are presented separately for each type of sample collected at the site (in this report, either wet precipitation, bulk precipitation, or both).

INSTRUMENTATION.--In this section, an abbreviated-style listing of the data-recording and sample-collection equipment permanently housed at the site is presented.

REMARKS.--This section is reserved for comments pertaining to unusual or extraordinary circumstances or to qualifying information which must be used to accurately interpret the data presented for the site. More general comments which may pertain to several or all of the sites are presented in the "EXPLANATION OF RECORDS" section in the introductory part of the report.

ACCESS TO WATSTORE DATA

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

- * Station-Header File - contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
- * Daily Values File - contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak-Flow File - contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water-Quality File - contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site-Inventory Data Base - contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements, such as water temperature.

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

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

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District offices. (See address on the back of the title page.)

DEFINITION OF TERMS

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

Adenosine triphosphate (ATP) is an organic, high-energy phosphate-bond containing compound used by living cells as an energy source for biochemical reactions. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic unicellular, colonial, or multicellular plants which contain chlorophyll and other pigments.

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

Alkalinity is a measure of the proton-accepting capacity of a solution. This property is also referred to as its "acid-neutralizing capacity", and is equal to the sum concentration of all proton acceptors in the solution or the total strong base concentration. Total alkalinity is operationally defined as the alkalinity neutralized by titration with a strong acid to the carbonic acid equivalence point.

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

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

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

Total coliform bacteria are a group of bacteria used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. **Fecal coliform bacteria** are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 2,447 cubic meters, approximately 1.9835 acre-feet, or about 646,000 gallons.

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

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

Collector efficiency is a measure of the quantity of wet precipitation (usually rain) collected by a precipitation collector relative to that which actually fell from the atmosphere. Operationally, this measure is taken as the ratio of rain volume in the precipitation collector to rain volume measured by a recording rain gage.

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

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

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

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

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

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

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

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

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year.

Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The 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.)

Dissolved is that material in a water sample which passes through a $0.45 \mu\text{m}$ membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

Land-surface datum (lsd) is a reference plane that is approximately at land surface at a well from which depth or height to water surface is measured.

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

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

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

Micrograms per gram ($\mu\text{g/g}$, $\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

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

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

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

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

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

National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Organism is any living entity.

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

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

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

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific variable. The codes used in WATSTORE are mostly the same as those used in the U.S. Environment Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Milligrams of carbon per area or volume per unit time [$\text{mg C}/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and $\text{mg C}/(\text{m}^3 \cdot \text{time})$ for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$] for periphyton and macrophytes and $\text{mg O}_2/(\text{m}^3 \cdot \text{time})$ for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either hour or day, depending on the incubation period.

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

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

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

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

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

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

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

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

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

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

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

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

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time. **Total-sediment load** or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

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

Solute is any substance that is dissolved in a solvent (such as water).

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

Kingdom.....Animalia
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

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

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

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

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

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

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called the "1980 water year."

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

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

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

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.

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

2-E2. *Borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. McCary: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Dividian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, by J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

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- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
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- 3-A19. *Levels at streamflow gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.
- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R. L. Cooley. USGS--TWRI Book 3, Chapter B4. 1993. 8 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two, and three-dimensional solute transport in ground-water systems with uniform flow*, by Eliezer J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.
- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1982. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
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- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-problems, Part 3: Design philosophy and programming details*, by L. J. Torak: USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.



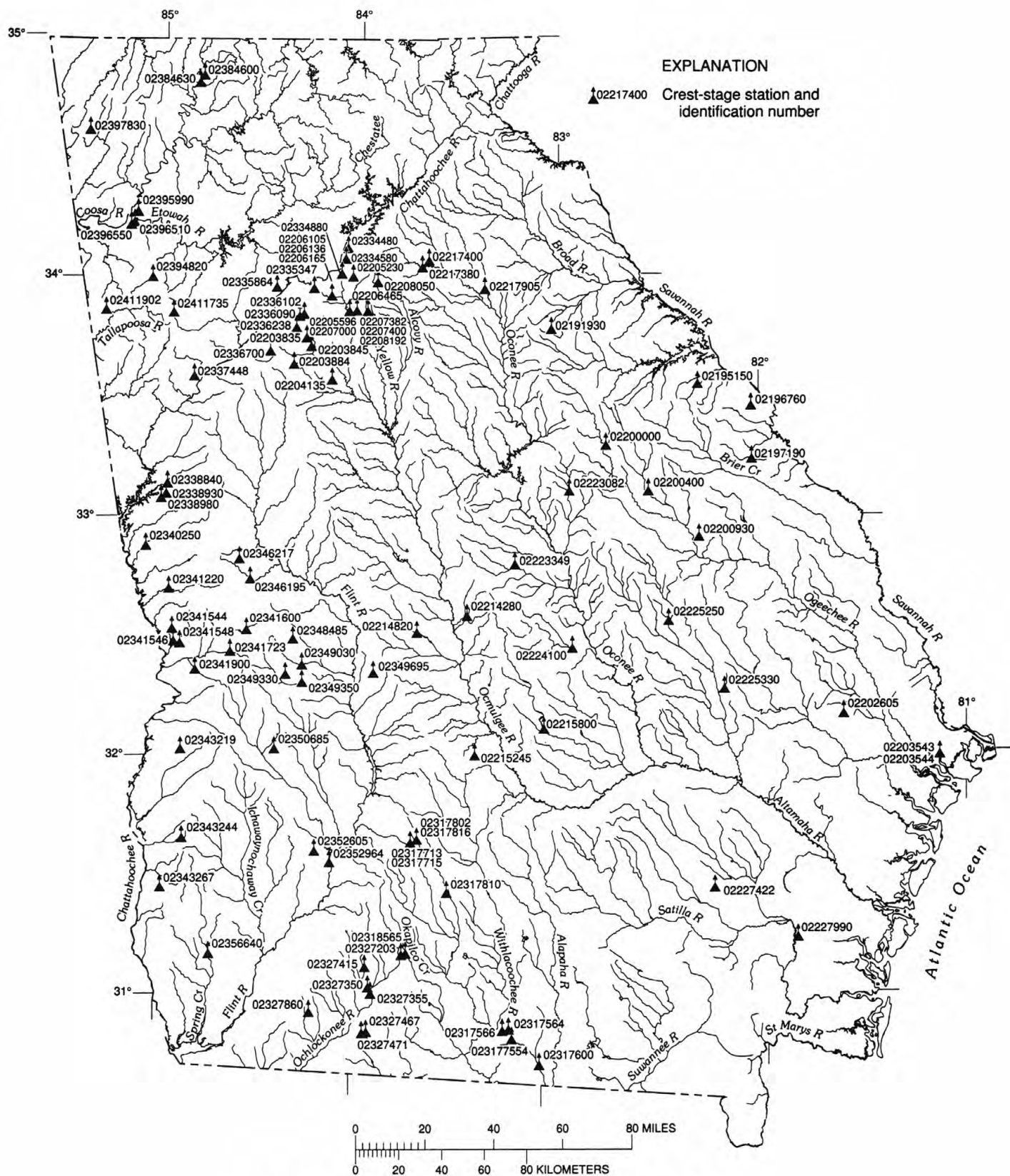


Figure 5. Location of crest-stage partial-record stations.





Figure 7. Location of selected observation wells.

SURFACE-WATER RECORDS

Remark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
K	Results based on colony count outside the acceptance range (non-ideal colony count).
L	Biological organism count less than 0.5 percent (Organism may be observed rather than counted).
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

NOTE: Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter ($\mu\text{g/L}$) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Present data above the $\mu\text{g/L}$ level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey will begin using new trace-element protocols in water year 1996.

Change in National Trends Network procedures

NOTE: The sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994 in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and are not directly comparable. A tabular summary of the differences based on a special intercomparison study is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, Colorado 80523.

HYDROLOGIC-DATA STATION RECORDS

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 ft downstream from bridge on U.S.Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi south east of Clayton, 9 mi downstream from War Woman Creek, and 9 mi upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1907 to June 1908, October 1939 to current year. Monthly discharge only for May 1907 to June 1908, published in WSP 1303.

REVISED RECORDS.--WSP 1383: 1940-41, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft above sea level. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

REMARKS.--Records good, except those for the period of estimated daly discharge, which are fair. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 5	0745	10,300	7.27	Jan 27	0400	*10,500	*7.36
Nov 11	1830	5,320	5.06	Feb 3	0115	3,630	4.11
Jan 19	0615	6,340	5.56	Sept 28	2115	3,580	4.08

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	278	517	552	509	1460	790	1100	819	487	380	369	433
2	272	787	538	658	2250	783	967	714	473	368	288	410
3	283	851	525	729	2940	754	890	661	471	352	329	468
4	2140	643	520	582	2030	726	847	623	476	335	277	741
5	5900	569	515	540	1690	725	809	599	480	323	573	787
6	2450	541	519	564	1530	1480	779	596	449	333	782	618
7	1460	1670	605	658	1430	1900	753	634	431	329	439	503
8	1070	1530	546	550	1350	1530	727	593	476	315	471	455
9	907	944	683	530	1350	1140	726	586	1970	305	382	427
10	802	802	626	536	1250	1020	695	564	e1400	288	331	442
11	728	2460	551	519	1190	948	681	550	e1300	277	630	440
12	673	2160	531	543	1110	906	666	533	e950	271	1710	626
13	664	1400	520	511	1070	868	665	508	e800	290	988	447
14	1160	1140	508	520	1050	838	663	513	e720	306	802	389
15	982	990	501	556	1010	838	641	560	e680	512	608	367
16	771	904	491	631	975	869	642	577	e680	459	544	444
17	689	841	477	651	935	819	612	529	e640	323	468	831
18	643	799	519	1050	922	780	599	517	e660	291	778	513
19	612	763	1040	4110	894	1180	615	510	624	274	583	438
20	597	731	879	1760	1500	1040	698	467	616	264	477	403
21	577	702	685	1290	1270	899	976	426	562	260	440	399
22	542	669	619	1070	1080	843	752	420	530	255	460	496
23	527	646	579	955	1010	790	677	420	497	249	523	395
24	518	638	547	1220	954	757	637	428	476	238	478	364
25	506	618	530	1150	898	790	605	753	494	276	510	352
26	490	602	515	1420	877	810	698	634	448	331	594	341
27	491	588	504	6310	859	754	696	761	434	266	489	446
28	542	585	490	2660	847	1090	618	718	429	245	447	2300
29	474	633	478	2040	810	1150	630	618	409	254	413	1880
30	455	576	476	1770	---	970	957	528	393	246	597	1030
31	470	---	481	1650	---	967	---	507	---	321	503	---
TOTAL	28673	27299	17550	38242	36541	29754	22021	17866	19455	9536	17283	18185
MEAN	925	910	566	1234	1260	960	734	576	648	308	558	606
MAX	5900	2460	1040	6310	2940	1900	1100	819	1970	512	1710	2300
MIN	272	517	476	509	810	725	599	420	393	238	277	341
CFSM	4.47	4.40	2.73	5.96	6.09	4.64	3.55	2.78	3.13	1.49	2.69	2.93
IN.	5.15	4.91	3.15	6.87	6.57	5.35	3.96	3.21	3.50	1.71	3.11	3.27

e Estimated

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	445	513	658	777	875	952	899	727	606	517	501	442
MAX	1524	1509	1358	1747	1728	1829	1633	1725	1439	1542	1453	1118
(WY)	1965	1980	1962	1946	1990	1979	1964	1976	1976	1949	1940	1949
MIN	98.6	155	183	155	347	387	349	284	210	180	172	118
(WY)	1955	1955	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	268559		282405		658	
ANNUAL MEAN	736		772		1098	
HIGHEST ANNUAL MEAN					337	
LOWEST ANNUAL MEAN					14800	
HIGHEST DAILY MEAN	5900	Oct 5	6310	Jan 27	88	Aug 30 1940
LOWEST DAILY MEAN	239	Jul 26	238	Jul 24	90	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	280	Jul 21	259	Jul 19	a29000	Oct 7 1954
INSTANTANEOUS PEAK FLOW			10500	Jan 27	13.80	Aug 30 1940
INSTANTANEOUS PEAK STAGE			7.36	Jan 27	88	Oct 8 1954
INSTANTANEOUS LOW FLOW			231	Jul 25	3.18	
ANNUAL RUNOFF (CFSM)	3.55		3.73		43.20	
ANNUAL RUNOFF (INCHES)	48.26		50.75		1170	
10 PERCENT EXCEEDS	1280		1290		535	
50 PERCENT EXCEEDS	594		618		234	
90 PERCENT EXCEEDS	351		360			

a From rating curve extended above 4,700 ft³/s on basis of slope area measurements of gage heights, 9.9 ft and 13.2 ft.

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to February 1994, November 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	0500	733	14	14	6.7	6.5	18.0	17.0	8.0	89
NOV 02...	0500	617	14	14	6.8	6.5	13.0	14.0	9.1	90
DEC 06...	0500	521	13	13	7.0	6.6	9.0	4.0	10.8	98
JAN 25...	1545	1080	13	12	6.7	6.6	6.0	10.5	12.4	103
FEB 22...	1300	1080	13	12	6.8	6.3	10.5	23.5	10.4	97
MAR 28...	1115	1060	13	12	6.8	6.3	9.5	10.5	11.2	101
APR 17...	1345	609	13	13	7.0	6.2	14.5	26.0	9.8	100
MAY 23...	0815	420	14	14	7.0	6.5	20.5	21.5	8.3	96
JUN 20...	1940	601	14	14	6.8	6.4	23.5	24.5	7.7	95
JUL 11...	1330	277	15	14	7.0	6.8	24.0	27.0	8.1	100
AUG 29...	0845	420	14	14	6.8	6.5	21.0	23.5	8.5	99
SEP 12...	1750	576	14	14	6.6	6.5	21.5	22.0	8.2	97

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 04...	7.0	4	1.0	—	4	31
NOV 02...	2.0	7	<1.0	<20	4	3
DEC 06...	1.0	7	1.0	50	4	1
JAN 25...	4.0	<5	<1.0	<20	4	3
FEB 22...	<1.0	<5	<1.0	<20	3	2
MAR 28...	3.0	7	<1.0	80	4	3
APR 17...	<1.0	9	<1.0	<20	4	<1
MAY 23...	2.0	10	<1.0	<20	7	2
JUN 20...	2.0	8	<1.0	<20	4	<1
JUL 11...	<1.0	<5	<1.0	<20	4	<1
AUG 29...	2.0	7	<1.0	<20	5	3
SEP 12...	19	12	<1.0	—	4	24

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	<0.020	<0.030	0.20	0.20	0.20	0.030	2.0
NOV 02...	<0.020	<0.030	--	<0.10	--	<0.020	1.0
DEC 06...	0.020	<0.030	--	<0.10	--	<0.020	<1.0
JAN 25...	0.060	0.040	--	<0.10	--	<0.020	4.0
FEB 22...	0.040	<0.030	--	<0.10	--	<0.020	<1.0
MAR 28...	<0.020	<0.030	--	<0.10	--	<0.020	4.0
APR 17...	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
MAY 23...	0.050	<0.030	--	<0.10	--	<0.020	<1.0
JUN 20...	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
JUL 11...	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
AUG 29...	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
SEP 12...	0.040	<0.030	0.20	0.20	0.24	0.040	2.0

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, Hydrologic Unit 03060102, on right bank 100 ft downstream from Plum Orchard Road bridge, 120 ft downstream from Persimmon Creek, 8 mi upstream from Burton Dam, and 10.3 mi west of Clayton.

DRAINAGE AREA.--56.5 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1,868.93 ft above sea level (levels by Georgia Department of Transportation).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 5	1030	2,740	6.82	Jan 19	0245	2,290	6.30
Nov 7	1500	1,350	5.00	Jan 26	2400	*3,590	*7.78
Nov 11	1130	1,340	4.98	Sept 28	1530	2,120	6.09

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	65	118	123	138	385	208	302	319	148	113	186	88
2	64	229	120	200	748	202	274	274	143	118	125	92
3	88	208	118	188	738	194	257	248	138	114	112	97
4	698	173	117	158	530	188	244	231	135	105	103	137
5	1880	152	118	146	441	188	234	218	128	102	94	127
6	591	144	117	160	396	529	229	234	124	101	106	103
7	337	724	151	164	363	752	218	223	136	109	106	97
8	251	466	125	141	342	485	217	211	268	107	108	100
9	209	295	199	131	383	362	213	201	659	99	100	103
10	184	239	154	133	336	314	201	192	434	93	88	98
11	167	665	139	131	319	289	195	197	328	91	107	95
12	155	467	133	135	299	271	191	183	283	97	388	97
13	155	336	127	128	284	256	193	175	248	96	257	83
14	203	278	123	133	275	245	189	170	222	124	187	78
15	161	242	120	149	264	253	195	227	256	217	161	75
16	145	217	122	169	253	242	196	197	221	121	137	153
17	136	201	115	179	244	232	181	182	209	106	123	146
18	130	189	136	539	237	224	175	171	194	98	118	103
19	125	177	284	1270	233	334	191	163	178	92	121	93
20	125	168	210	489	414	277	259	156	167	91	125	87
21	120	162	176	350	306	255	290	150	159	96	108	106
22	115	155	158	289	278	244	250	144	151	92	102	104
23	112	150	147	260	260	237	239	138	143	88	98	86
24	111	148	138	407	246	235	222	135	137	81	107	80
25	108	142	132	316	236	255	209	194	155	130	123	77
26	105	138	127	887	230	242	247	271	133	111	119	75
27	120	135	124	1860	224	238	220	204	128	91	103	317
28	124	133	119	743	225	333	208	237	125	88	107	987
29	108	131	116	545	212	304	238	187	121	91	99	537
30	104	126	115	466	—	276	427	169	117	116	110	304
31	117	—	118	441	—	286	—	158	—	160	94	—
TOTAL	7113	7108	4321	11445	9701	8950	6904	6159	5988	3338	4022	4725
MEAN	229	237	139	369	335	289	230	199	200	108	130	157
MAX	1880	724	284	1860	748	752	427	319	659	217	388	987
MIN	64	118	115	128	212	188	175	135	117	81	88	75
CFSM	4.06	4.19	2.47	6.53	5.92	5.11	4.07	3.52	3.53	1.91	2.30	2.79
IN.	4.68	4.68	2.84	7.54	6.39	5.89	4.55	4.06	3.94	2.20	2.65	3.11

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	126	154	199	239	272	292	260	213	167	126	138	110
MAX	394	398	405	456	588	579	473	495	364	328	380	230
(WY)	1965	1993	1993	1974	1990	1979	1979	1976	1989	1989	1967	1979
MIN	41.3	58.9	64.9	62.8	106	100	87.8	87.1	56.5	45.5	38.1	43.1
(WY)	1988	1982	1966	1981	1986	1988	1986	1986	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	68146		79774			
ANNUAL MEAN	187		218		191	
HIGHEST ANNUAL MEAN					275	
LOWEST ANNUAL MEAN					82.9	
HIGHEST DAILY MEAN	1880	Oct 5	1880	Oct 5	3910	Mar 4 1979
LOWEST DAILY MEAN	59	Jul 26	64	Oct 2	28	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	66	Jul 20	88	Sep 20	29	Oct 2 1986
INSTANTANEOUS PEAK FLOW			3590	Jan 26	8500	May 28 1973
INSTANTANEOUS PEAK STAGE			7.78	Jan 26	12.00	May 28 1973
INSTANTANEOUS LOW FLOW			62	Oct 2,3	27	Oct 8 1986
ANNUAL RUNOFF (CFSM)	3.30		3.86		3.38	
ANNUAL RUNOFF (INCHES)	44.87		52.52		45.89	
10 PERCENT EXCEEDS	314		354		338	
50 PERCENT EXCEEDS	139		167		150	
90 PERCENT EXCEEDS	79		98		66	

SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'15", long 82°48'55", Anderson County, S.C., Hydrologic Unit 03060103, on left bank at Highway 29, 6.8 mi east of Hartwell, and at mile 304.5.

DRAINAGE AREA.--2,090 mi², approximately.

PERIOD OF RECORD.--October 1984 to current year.

REVISED RECORDS.--WDR GA-91-1: 1990.

GAGE.--Data collection platform. Elevation of gage is 470 ft above sea level (from topographic map).

REMARKS.--Records poor. Flow completely regulated by Hartwell Lake (See "Lakes and Reservoirs in Savannah River Basin", station 02187250). Discharge is affected by backwater from Richard B. Russell Reservoir (See "Lakes and Reservoirs in Savannah River Basin", station 02189004) when the reservoir elevation exceeds about 476 ft, therefore, the daily mean discharge is not shown for Oct. 20-31, Nov. 10 to Dec. 17, Jan. 13 to Mar. 3, Mar. 6-15, 19-23.

AVERAGE DISCHARGE.--5 years (water years 1985-89), 2,993 ft³/s, 19.45 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.18 ft, Aug. 17, 1994 (discharge not determined); minimum daily discharge, 30 ft³/s, April 30, 1995, but may have been less during periods of backwater.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum gage height, 11.43 ft, Feb. 13 (discharge not determined); minimum daily discharge, 10 ft³/s Apr. 28, but may have been less during periods of backwater.

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	52	5450	---	1210	---	---	3520	11100	18	e2850	3540	73
2	3960	9870	---	5290	---	---	6400	6670	17	e2880	4320	3750
3	3960	8030	---	6630	---	---	5650	5410	6090	e2500	77	5890
4	4000	754	---	5380	---	4440	6470	13	2790	e589	78	5500
5	3940	461	---	4670	---	4490	6460	13	2370	e2250	4920	5160
6	3930	8290	---	14	---	---	22	3260	2400	e313	3460	5830
7	45	8460	---	2490	---	---	12	3250	2470	e136	4920	2150
8	45	8650	---	6070	---	---	5680	3480	30	e1050	4890	74
9	4470	8710	---	4820	---	---	6290	3260	30	e1580	4890	3410
10	4500	---	---	4820	---	---	5150	3250	3910	e1980	77	3380
11	11400	---	---	6290	---	---	4970	14	9230	e1630	77	4710
12	11400	---	---	5100	---	---	5670	15	e9200	e1530	3720	4030
13	11500	---	---	---	---	---	12	3310	e6800	e110	3730	3350
14	120	---	---	---	---	---	13	3330	e10000	e325	2350	77
15	229	---	---	---	---	---	4890	3380	e350	e2120	3750	595
16	7760	---	---	---	---	118	4270	4810	e400	e1700	4320	4010
17	10900	---	---	---	---	76	2310	5240	e9200	e2500	77	4130
18	12300	---	4930	---	---	13700	2500	1350	e6850	3230	78	4790
19	12700	---	4870	---	---	---	4850	1340	6850	3200	5370	4870
20	---	---	4800	---	---	---	5370	2810	6760	77	5390	4150
21	---	---	6110	---	---	---	5380	4830	8610	76	5390	115
22	---	---	5410	---	---	---	10900	3210	329	3660	6690	201
23	---	---	15	---	---	---	11000	3230	e480	4390	5380	5420
24	---	---	11	---	---	384	11800	3040	e2560	3630	77	3820
25	---	---	2430	---	---	17000	13500	144	e2530	3620	77	5190
26	---	---	2430	---	---	18400	13500	14	e2640	3630	6320	5140
27	---	---	5990	---	---	e7200	e12	2750	e2620	72	6320	4800
28	---	---	6000	---	---	7300	e10	6650	e2760	72	6360	72
29	---	---	6090	---	---	3380	e1750	9350	e89	3660	6380	67
30	---	---	12	---	---	44	7200	9640	e89	3620	6380	3370
31	---	---	12	---	---	104	---	10200	---	75	72	---
TOTAL	---	---	---	---	---	---	155561	118363	108472	59055	109480	98124
MEAN	---	---	---	---	---	---	5185	3818	3616	1905	3532	3271
MAX	---	---	---	---	---	---	13500	11100	10000	4390	6690	5890
MIN	---	---	---	---	---	---	10	13	17	72	72	67

e Estimated

SAVANNAH RIVER BASIN

02188600 BEAVERDAM CREEK ABOVE ELBERTON, GA.

LOCATION.--Lat 34°10'07", long 82°53'48", Elbert County, Hydrologic Unit 03060103, at left bank on downstream end of bridge on County Road 310, 200 ft downstream from Little Beaverdam Creek, 3.25 mi east of Dewy Rose, and 4.3 mi north-northwest of Elberton.

DRAINAGE AREA.--72 mi².

PERIOD OF RECORD.--October 1986 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 529.4 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 5	0330	1,540	9.28	Jan 27	2315	1,180	8.20
Oct 15	0800	733	6.64	Feb 3	0845	1,610	9.47
Nov 12	0530	777	6.81	Mar 7	0830	*2,300	*11.20

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	30	77	86	101	207	88	174	142	63	37	46	31
2	30	250	85	114	634	87	156	120	61	36	46	32
3	31	263	83	107	1280	84	143	108	60	35	42	34
4	184	171	80	93	476	82	135	101	61	32	44	54
5	857	133	79	86	369	83	128	108	61	31	48	44
6	406	115	78	87	321	698	129	104	59	37	68	37
7	208	193	103	191	213	1820	128	129	57	40	64	34
8	159	397	92	177	176	1010	119	111	62	48	83	32
9	131	210	115	134	157	443	116	99	64	52	57	33
10	122	162	112	118	138	363	110	90	60	42	47	34
11	114	372	95	107	127	325	109	84	57	38	45	35
12	95	531	88	109	119	302	107	84	56	36	77	35
13	115	258	84	105	114	256	114	79	57	44	71	32
14	216	217	82	97	114	159	128	77	55	42	57	30
15	509	177	82	92	113	160	112	77	55	47	50	28
16	217	152	82	89	108	193	113	78	51	55	44	46
17	161	135	80	86	103	208	104	77	49	54	41	96
18	135	123	80	89	101	182	100	74	48	75	39	58
19	117	115	134	121	99	422	112	75	50	49	38	45
20	106	119	141	113	123	296	151	71	76	42	36	40
21	98	120	113	99	122	204	189	69	57	40	36	40
22	89	105	100	93	110	176	154	66	52	38	38	47
23	83	96	92	90	105	161	134	65	48	36	37	43
24	78	106	88	102	102	152	122	64	46	36	37	40
25	74	110	84	110	95	149	111	70	45	39	35	38
26	69	100	82	96	93	153	121	72	41	43	35	35
27	77	94	79	663	92	146	132	81	40	43	35	34
28	88	93	77	569	97	207	111	88	39	42	34	40
29	71	95	74	265	95	193	118	78	39	41	34	51
30	66	91	75	218	---	166	192	70	38	40	31	50
31	68	---	80	237	---	173	---	66	---	40	31	---
TOTAL	4804	5180	2805	4758	6003	9141	3872	2677	1607	1310	1426	1228
MEAN	155	173	90.5	153	207	295	129	86.4	53.6	42.3	46.0	40.9
MAX	857	531	141	663	1280	1820	192	142	76	75	83	96
MIN	30	77	74	86	92	82	100	64	38	31	31	28
CFSM	2.15	2.40	1.26	2.13	2.87	4.10	1.79	1.20	.74	.59	.64	.57
IN.	2.48	2.68	1.45	2.46	3.10	4.72	2.00	1.38	.83	.68	.74	.63

SAVANNAH RIVER BASIN

02188600 BEAVERDAM CREEK ABOVE ELBERTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	92.2	79.9	89.0	125	147	176	103	72.9	61.4	57.4	70.5	52.6
MAX	312	183	275	246	298	330	168	155	101	151	237	105
(WY)	1990	1993	1993	1993	1990	1990	1993	1991	1991	1989	1994	1989
MIN	13.2	28.6	27.9	44.1	44.3	50.7	64.5	30.4	12.7	9.76	14.7	17.7
(WY)	1989	1988	1989	1989	1989	1988	1992	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	41394		44811		93.6	
ANNUAL MEAN	113		122		139	
HIGHEST ANNUAL MEAN					37.3	
LOWEST ANNUAL MEAN					2520	
HIGHEST DAILY MEAN	1120	Aug 27	1820	Mar 7	5.0	Oct 2 1989
LOWEST DAILY MEAN	16	Aug 16	28	Sep 15	6.1	Oct 8 1986
ANNUAL SEVEN-DAY MINIMUM	18	Aug 13	32	Aug 28	4100	Oct 3 1986
INSTANTANEOUS PEAK FLOW			2300	Mar 7	14.66	Oct 2 1989
INSTANTANEOUS PEAK STAGE			11.20	Mar 7	4.7	Oct 9 1986
INSTANTANEOUS LOW FLOW			27	Sep 15,16	1.30	
ANNUAL RUNOFF (CFSM)	1.58		1.70		17.67	
ANNUAL RUNOFF (INCHES)	21.39		23.15		168	
10 PERCENT EXCEEDS	209		207		63	
50 PERCENT EXCEEDS	84		88		24	
90 PERCENT EXCEEDS	31		37			

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.

LOCATION.--Lat 33° 58' 27", long 82° 46' 12", Elbert-Wilkes County line, Hydrologic Unit 03060104, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi downstream from Long Creek, 1 mi south of Bells Crossroads, and 12 mi southeast of Elberton.

DRAINAGE AREA.--1,430 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1926 to September 1932, August 1937 to current year. Monthly discharge only for October 1926, August to September 1932, published in WSP 1303.

REVISED RECORDS.--WSP 1172: 1928-30. WSP 1383: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 357.16 ft above sea level. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi downstream at datum 1.12 ft lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are fair. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 6	1530	16,100	18.75	Feb 3	2400	25,300	23.42
Jan 28	2330	15,900	18.63	Mar 8	1430	*31,100	*25.44

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	633	1250	1380	1610	5980	1820	3710	3540	e1150	e720	685	575
2	621	2440	1350	2310	7210	1710	3390	2510	e1100	e700	869	555
3	634	5240	1320	4050	21200	1660	2880	e2150	e1100	e720	902	577
4	2880	3940	1300	2550	22800	1580	2630	e2050	e1100	614	1380	660
5	11700	2420	1300	1890	12500	1550	2480	e1850	e1200	603	906	735
6	15700	1900	1290	1700	5150	5030	2420	e1900	e1150	613	809	711
7	12300	3150	1670	3110	4360	19000	2580	3780	e1050	676	769	630
8	3950	9400	1900	5130	3850	29800	2370	3420	e1100	713	813	559
9	2560	8040	2270	3130	3370	22900	2230	2460	e2500	1310	1110	507
10	2050	3740	2730	2420	3020	9340	2130	e2000	e2600	848	894	506
11	1770	5810	2000	2100	2730	4730	e1850	e1850	e1700	698	889	624
12	1550	13300	1690	2260	2490	4070	e1850	e1900	e1400	641	1270	709
13	1430	9520	1570	2230	2230	3610	e1850	e1700	e1500	626	1690	592
14	2460	4270	1500	1960	2090	3270	e2000	e1600	1280	735	1510	543
15	7750	3160	1480	1800	2050	3060	2150	e1600	e1200	758	1180	474
16	3760	2500	1470	1710	2000	3390	e2000	e1600	e1150	887	909	480
17	2210	2150	1440	1650	1910	3450	e1750	e1550	e1100	871	789	1520
18	1760	1960	1380	1630	1850	3240	e1700	e1500	e1050	859	718	1600
19	1540	1850	2630	2310	1830	4570	e1700	e1450	e1000	789	682	983
20	1390	1760	4310	3430	1970	6370	2400	e1400	e1150	682	649	728
21	1300	1690	2810	2460	2520	3830	3290	e1350	e1100	627	621	651
22	1220	1600	2060	2040	2290	3070	3800	e1350	e1000	617	608	806
23	1140	1530	1820	1870	2050	2740	2750	e1300	e940	609	593	959
24	1100	1520	1660	1900	1950	2520	2400	e1250	e890	601	610	769
25	1080	1640	1560	2260	1850	2420	2170	e1300	e850	580	630	637
26	1050	1530	1490	1980	1780	2570	2200	e1300	e820	665	665	590
27	1050	1480	1450	6810	1750	2480	2730	e1400	e800	849	810	565
28	1640	1450	1400	14500	1800	3370	2270	e1500	e790	740	781	575
29	1600	1440	1350	13000	2030	4440	e2050	e1550	e770	709	707	833
30	1230	1440	1320	5170	---	3420	e3050	e1350	e750	712	652	1290
31	1120	---	1350	5540	---	3220	---	e1250	---	680	604	---
TOTAL	92178	103120	54250	106510	128610	168230	72780	56710	35290	22452	26704	21943
MEAN	2973	3437	1750	3436	4435	5427	2426	1829	1176	724	861	731
MAX	15700	13300	4310	14500	22800	29800	3800	3780	2600	1310	1690	1600
MIN	621	1250	1290	1610	1750	1550	1700	1250	750	580	593	474
CFSM	2.08	2.40	1.22	2.40	3.10	3.79	1.70	1.28	.82	.51	.60	.51
IN.	2.40	2.68	1.41	2.77	3.35	4.38	1.89	1.48	.92	.58	.69	.57

e Estimated

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1123	1287	1816	2468	2846	3291	2462	1743	1391	1191	1104	904
MAX	5768	6158	5506	5373	5939	10130	7718	4496	4279	3171	5319	4472
(WY)	1930	1949	1984	1974	1961	1929	1964	1964	1967	1938	1928	1929
MIN	148	392	455	506	803	970	766	511	238	162	212	158
(WY)	1955	1982	1956	1956	1989	1988	1986	1941	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1927 - 1996	
ANNUAL TOTAL	763107		888777		1803	
ANNUAL MEAN	2091		2428		3261	
HIGHEST ANNUAL MEAN					692	
LOWEST ANNUAL MEAN					70600	
HIGHEST DAILY MEAN	17300	Feb 19	29800	Mar 8	96	Oct 2 1929
LOWEST DAILY MEAN	403	Aug 19	474	Sep 15	106	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	444	Jul 30	561	Sep 10	a79400	Jul 19 1986
INSTANTANEOUS PEAK FLOW			31100	Mar 8	34.80	Oct 2 1929
INSTANTANEOUS PEAK STAGE			25.44	Mar 8	1.26	
ANNUAL RUNOFF (CFSM)	1.46		1.70		17.13	
ANNUAL RUNOFF (INCHES)	19.85		23.12		3130	
10 PERCENT EXCEEDS	3930		3980		1150	
50 PERCENT EXCEEDS	1460		1600		514	
90 PERCENT EXCEEDS	632		650			

a From rating curve extended above 50,000 ft³/s on basis of slope-conveyance studies.

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.

LOCATION.--Lat 33° 40' 57", long 82° 51' 29", Wilkes County, Hydrologic Unit 03060105, on right bank, 300 ft upstream from County Road 68, 1.35 mi upstream from Little Kettle Creek, and 7.8 mi southwest of Washington.

DRAINAGE AREA.--33.9 mi².

PERIOD OF RECORD.--April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 416.06 ft above sea level.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 5	0415	1,210	9.37	Jan 27	0530	1,200	9.31
Nov 2	2100	661	7.22	Feb 2	2200	2,650	13.84
Nov 7	1800	1,200	9.32	Mar 7	1200	*2,680	*13.92
Nov 11	1715	2,130	12.34	May 26	2000	1,040	8.73

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	11	26	15	30	65	27	58	32	14	8.5	7.1	5.6
2	12	138	15	64	939	24	46	24	13	8.5	6.8	5.3
3	14	107	14	92	481	22	39	20	12	8.3	7.6	5.3
4	49	37	14	34	86	21	35	19	13	8.1	7.0	5.3
5	330	25	14	27	53	20	32	17	17	8.1	6.8	5.2
6	34	21	14	24	47	248	54	17	13	9.3	6.8	5.0
7	20	338	69	106	43	1140	53	17	11	9.5	6.8	5.0
8	15	139	29	50	38	139	41	17	12	8.7	22	5.0
9	13	44	58	34	34	61	34	16	15	8.5	18	5.0
10	11	31	35	29	32	50	29	16	14	8.2	27	8.2
11	11	603	26	26	30	42	27	15	11	8.1	16	15
12	10	153	23	52	25	37	25	15	11	8.1	25	5.1
13	16	50	21	34	23	33	25	14	15	8.1	16	4.4
14	22	38	20	28	24	30	51	14	12	8.1	10	4.4
15	23	29	19	26	23	61	32	14	11	11	8.1	4.4
16	14	25	19	24	22	86	27	14	9.7	13	7.3	4.6
17	12	22	18	23	20	61	24	14	9.2	9.7	6.8	7.3
18	11	21	17	25	20	57	23	14	9.1	8.5	6.8	4.7
19	10	19	222	67	20	149	33	13	8.9	8.1	6.8	4.7
20	10	18	62	34	31	61	49	12	8.9	8.0	6.7	4.6
21	11	17	35	28	25	46	41	12	8.9	7.8	6.4	5.5
22	9.4	16	28	25	23	37	31	11	8.8	8.0	6.4	26
23	9.1	16	24	24	22	32	25	11	8.6	8.1	6.4	6.6
24	10	20	22	35	21	29	23	11	8.9	7.8	6.5	5.8
25	10	21	20	33	20	28	21	12	8.9	8.5	13	6.4
26	9.4	17	20	26	20	31	22	151	8.9	12	7.5	6.0
27	11	16	19	517	19	30	22	57	8.7	8.7	6.0	5.6
28	47	16	18	84	65	147	20	180	8.5	8.0	5.6	6.6
29	16	16	17	46	41	58	20	44	8.5	8.2	5.6	10
30	13	15	17	37	—	47	44	25	8.5	7.3	5.6	64
31	16	—	19	203	—	74	—	18	—	7.1	5.6	—
TOTAL	809.9	2054	963	1887	2312	2928	1006	866	327.0	267.9	300.0	256.6
MEAN	26.1	68.5	31.1	60.9	79.7	94.5	33.5	27.9	10.9	8.64	9.68	8.55
MAX	330	603	222	517	939	1140	58	180	17	13	27	64
MIN	9.1	15	14	23	19	20	20	11	8.5	7.1	5.6	4.4
CFSM	.77	2.02	.92	1.80	2.35	2.79	.99	.82	.32	.25	.29	.25
IN.	.89	2.25	1.06	2.07	2.54	3.21	1.10	.95	.36	.29	.33	.28

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	23.6	23.8	22.2	44.5	57.5	62.5	31.1	17.1	13.4	11.2	18.2	9.68
MAX	89.7	91.5	45.6	101	137	111	50.1	49.6	39.6	45.9	78.7	25.1
(WY)	1990	1993	1993	1993	1995	1993	1989	1991	1994	1994	1994	1994
MIN	2.20	4.09	3.95	6.68	12.0	15.2	14.0	6.25	2.49	1.49	.72	2.30
(WY)	1989	1989	1989	1989	1989	1988	1994	1994	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	14047.2		13977.4			
ANNUAL MEAN	38.5		38.2		28.2	
HIGHEST ANNUAL MEAN					43.4	
LOWEST ANNUAL MEAN					10.4	
HIGHEST DAILY MEAN	1280	Feb 11	1140	Mar 7	2170	Oct 1 1989
LOWEST DAILY MEAN	1.4	Aug 19	4.4	Sep 13	.12	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	2.4	Aug 13	4.9	Sep 13	.23	Aug 23 1988
INSTANTANEOUS PEAK FLOW			2680	Mar 7	a4150	Oct 1 1989
INSTANTANEOUS PEAK STAGE			13.92	Mar 7	17.68	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.14		1.13		.83	
ANNUAL RUNOFF (INCHES)	15.41		15.34		11.29	
10 PERCENT EXCEEDS	70		59		47	
50 PERCENT EXCEEDS	18		18		11	
90 PERCENT EXCEEDS	5.7		6.8		2.6	

a From rating curve extended above 1,300 ft³/s on basis of contracted-opening measurement of peak discharge.

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.

LOCATION.--Lat 33°36'40", long 82°44'40", Wilkes-Taliaferro County line, Hydrologic Unit 03060105, on left bank on downstream side of county highway bridge pier, 700 ft downstream from Reedy Creek, 4 mi downstream from Georgia Railway bridge, 6 mi upstream from Williams Creek, and 9 mi south of Washington.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--October 1949 to September 1970, May 1989 to current year.

REVISED RECORDS.--WSP 1383: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 353.88 ft above sea level (leveling by global positioning system equipment). October 1, 1949 to June 23, 1971, recording gage at same site and approximately same datum.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT PERIOD.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb 3	1330	*8,000	*23.58	Mar 8	0330	7,010	22.60

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	47	181	138	305	1150	331	664	317	122	36	36	35
2	46	322	134	339	1450	250	436	192	107	34	46	35
3	45	1070	127	623	6670	210	338	152	97	32	49	36
4	126	694	124	533	5050	183	296	135	109	30	41	37
5	942	420	123	325	1880	173	266	124	162	47	40	45
6	618	239	123	255	609	692	326	115	130	50	45	42
7	225	645	411	435	488	3240	464	111	101	44	41	37
8	136	1660	439	659	421	6140	339	110	96	41	58	33
9	102	1180	440	409	375	2900	279	106	116	41	69	31
10	88	618	470	316	335	760	238	99	116	38	163	29
11	79	895	321	266	307	454	215	92	93	35	116	70
12	74	2220	244	368	276	385	202	88	83	33	176	63
13	103	1890	206	385	246	342	192	83	86	32	141	41
14	134	1020	185	297	233	310	228	79	85	34	90	33
15	241	420	172	248	225	303	207	78	78	51	69	30
16	151	330	165	219	213	582	193	79	70	91	58	30
17	104	277	155	201	195	509	175	78	65	63	50	35
18	86	242	146	196	187	488	160	77	62	48	46	35
19	80	217	975	305	182	719	166	76	59	42	43	41
20	76	197	1370	350	218	806	287	69	59	37	41	34
21	74	182	778	255	255	676	259	63	60	34	38	31
22	70	166	379	214	218	373	209	59	56	35	37	64
23	67	156	302	196	198	310	177	56	52	44	35	72
24	66	164	251	217	189	275	167	53	48	35	38	51
25	66	210	217	296	174	261	152	81	46	35	103	39
26	64	184	196	242	165	305	147	136	43	52	70	34
27	70	164	183	1380	162	278	152	1330	41	48	49	32
28	469	154	170	2060	306	818	138	1600	39	49	43	36
29	280	152	159	1200	572	730	136	568	38	53	41	79
30	154	145	153	487	---	431	404	228	36	45	38	358
31	122	---	160	1090	---	615	---	154	---	37	37	---
TOTAL	5005	16414	9416	14671	22949	24849	7612	6588	2355	1326	1947	1568
MEAN	161	547	304	473	791	802	254	213	78.5	42.8	62.8	52.3
MAX	942	2220	1370	2060	6670	6140	664	1600	162	91	176	358
MIN	45	145	123	196	162	173	136	53	36	30	35	29
CFSM	.55	1.88	1.04	1.63	2.72	2.75	.87	.73	.27	.15	.22	.18
IN.	.64	2.10	1.20	1.88	2.93	3.18	.97	.84	.30	.17	.25	.20

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	158	145	235	420	548	655	393	270	131	105	94.7	66.4
MAX	834	1037	1096	1123	1419	1939	1273	997	430	514	616	201
(WY)	1990	1993	1965	1960	1995	1952	1961	1964	1963	1967	1994	1959
MIN	.44	12.8	36.2	47.8	150	129	120	54.5	34.4	18.1	10.7	1.72
(WY)	1955	1955	1956	1956	1950	1955	1954	1994	1956	1990	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	117334		114700		263	
ANNUAL MEAN	321		313		500	
HIGHEST ANNUAL MEAN					107	
LOWEST ANNUAL MEAN					13400	
HIGHEST DAILY MEAN	7990	Feb 12	6670	Feb 3	13400	Mar 3 1971
LOWEST DAILY MEAN	12	Aug 19	29	Sep 10	.32	Oct 12 1954
ANNUAL SEVEN-DAY MINIMUM	16	Aug 13	34	Sep 15	.33	Oct 11 1954
INSTANTANEOUS PEAK FLOW			8000	Feb 3	15500	Mar 3 1971
INSTANTANEOUS PEAK STAGE			23.58	Feb 3	a27.93	Mar 3 1971
INSTANTANEOUS LOW FLOW			28	Sep 10	.32	Oct 12 1954
ANNUAL RUNOFF (CFSM)	1.10		1.08		.90	
ANNUAL RUNOFF (INCHES)	15.00		14.66		12.28	
10 PERCENT EXCEEDS	725		630		517	
50 PERCENT EXCEEDS	135		154		103	
90 PERCENT EXCEEDS	28		37		27	

a Datum then in use.

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.

LOCATION.--Lat 33°33'06", long 82°02'19", Edgefield County, S.C.- Columbia County, Ga., Hydrologic Unit 03060106, at Augusta City Lock and Dam, 1.0 mi downstream from Stevens Creek Dam, and at mile 207.

DRAINAGE AREA.--7,150 mi², approximately.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Data-collection platform. Elevation of gage is 150 ft above sea level (from topographic map).

REMARKS.--Records fair, except those less than 2,000 ft³/s and those for the periods of estimated daily discharges, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500). Flow diverted to the Augusta Canal above gage by City of Augusta for municipal supply.

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	3730	5290	15600	5200	23800	15800	5480	e19000	e5600	6310	4410	1430
2	e2900	5020	5770	6910	21400	11000	13800	e11000	e4600	7740	3250	4540
3	5760	6370	3910	8800	17600	5940	13000	e6000	e6000	6280	2690	5550
4	7410	5240	8830	8850	25400	6630	12700	4190	7250	5250	1840	5340
5	8760	6380	14700	8190	31000	7140	12800	5530	6630	4970	4260	7280
6	7610	6620	15500	7100	29100	7670	8880	14700	6500	5760	3390	7520
7	5450	7440	16500	1480	28500	20700	6530	7550	e4500	4750	4920	5640
8	3050	9660	16200	7230	29000	27400	11300	3160	e3700	5030	4680	1470
9	1590	13600	9100	9540	29200	24500	14300	3620	e3100	3740	4970	12200
10	3600	14500	5260	5570	28600	26600	14000	1950	e2900	3180	5360	9490
11	3930	14300	10100	4350	29500	26500	13700	2210	6090	3500	2740	6420
12	4310	18200	13100	5060	29600	25700	13800	2140	6880	3490	3370	4650
13	5710	17700	13100	2960	29700	28200	8920	1670	8260	2650	5260	4810
14	4750	19400	13400	5420	29900	28700	4070	3270	11600	2520	4360	4520
15	4120	24200	13500	e2400	26100	28300	5520	e2100	10500	3700	3880	2890
16	4460	24300	8580	2480	24400	23500	6890	1410	5390	3290	3520	2940
17	6910	24200	4280	2800	21100	22900	6270	3060	7090	3720	1620	3930
18	8870	24500	4910	1280	18200	23500	5870	6460	10400	2210	1780	4400
19	16300	23700	7280	3540	17100	23400	5100	5470	10200	3740	3110	e3700
20	16300	23600	9670	4440	17700	25900	2670	4790	11700	5700	7330	e3500
21	12000	19600	8160	3950	18600	28600	3050	4550	12700	2160	6370	3380
22	14100	17700	6580	2450	18800	28100	4360	3190	8560	2040	5400	2420
23	13300	19300	7580	2520	18500	28100	5160	4080	5090	2140	5520	3440
24	16200	19400	7940	2350	10700	28200	4630	4840	5850	2830	4010	4800
25	10200	19800	7340	4980	5360	28200	3010	e4500	7540	4190	1680	4600
26	10000	20200	8890	e6900	12600	27300	2730	e4300	6150	1770	3810	4650
27	7550	18700	8600	e9600	15000	18000	2200	e4200	5890	1580	5660	5130
28	5950	16300	7940	e13000	15500	18700	2470	e6000	5430	795	6360	3830
29	4410	16500	8870	e15000	16300	18900	e4500	e11000	4960	3370	5030	2360
30	2820	16700	6970	20100	---	9120	e10000	e10000	3580	6670	5750	3010
31	4420	---	5120	21000	---	3980	---	e8000	---	4380	2870	---
TOTAL	226470	478420	293280	205450	638260	647180	227710	173940	204640	119455	129200	139840
MEAN	7305	15950	9461	6627	22010	20880	7590	5611	6821	3853	4168	4661
MAX	16300	24500	16500	21000	31000	28700	14300	19000	12700	7740	7330	12200
MIN	1590	5020	3910	1280	5360	3980	2200	1410	2900	795	1620	1430

e Estimated

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7056	7408	10120	9185	12300	13620	7442	6191	4497	5344	6721	5070
MAX	11440	15950	27170	28980	23000	22590	18010	15420	6821	9750	14420	6609
(WY)	1990	1996	1993	1993	1993	1990	1993	1991	1996	1994	1994	1995
MIN	1802	1827	2535	2438	1886	1440	2652	1990	1847	3560	2689	3327
(WY)	1994	1989	1989	1989	1989	1989	1989	1989	1989	1993	1989	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	3096310		3483845			
ANNUAL MEAN	8483	†8558	9519	†9244	7899	
HIGHEST ANNUAL MEAN					13960	1993
LOWEST ANNUAL MEAN					2612	1989
HIGHEST DAILY MEAN	27300	Feb 26	31000	Feb 5	39000	Jan 13 1993
LOWEST DAILY MEAN	1590	Oct 9	795	Jul 28	65	Mar 18 1989
ANNUAL SEVEN-DAY MINIMUM	2170	Jul 10	2110	May 10	103	Mar 16 1989
INSTANTANEOUS PEAK FLOW			40200	Mar 7	54200	Oct 12 1990
INSTANTANEOUS PEAK STAGE			11.69	Mar 7	12.57	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.19	†1.20	1.33	†1.29	1.10	
ANNUAL RUNOFF (INCHES)	16.11	†16.25	18.13	†17.56	15.01	
10 PERCENT EXCEEDS	20000		23500		20000	
50 PERCENT EXCEEDS	6140		6290		5270	
90 PERCENT EXCEEDS	2620		2740		1760	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.2 mi upstream from Butler Creek, 12.0 mi downstream from Augusta, and at mile 187.4.
DRAINAGE AREA.--7,508 mi², including that of Butler Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932(M). WDR SC-77-1: 1975. WDR SC-94-1: Extremes outside period of record (1796, 1840, 1852, 1864, 1865 and 1908).

GAGE.--Data-collection platform. Datum of gage is 96.58 ft above sea level (U.S. Army Corps of Engineers benchmark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft above sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft above sea level (levels by U.S. Army Corps of Engineers). Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi downstream from present site and at present datum.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are poor. Flow regulated by Lake Burton since 1919, Mathis Reservoir since 1915, Hartwell Lake since February 1961, Richard B. Russell Reservoir since October 1983, and Thurmond Lake since December 1951 (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500). Records of chemical analyses for the water years 1968-72 are published in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--89 years (1884-92, 1897-1906, 1926-96), 10,040 ft³/s, 18.17 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge 307,000 ft³/s, Aug. 27, 1908; gage height 38.8 ft, at site and datum of Fifth Street gage. Stages and discharges for other floods at site and datum at Fifth Street gage are as follows: 280,000 ft³/s, Jan. 17, 1796, gage height (determined by analysis of historical documents) 38 ft; 260,000 ft³/s, May 28, 1840, gage height, 37.5 ft; 230,000 ft³/s, Aug. 28, 1852, gage height 36.8 ft; 160,000 ft³/s, Jan. 1, 1864, gage height 34.0 ft; 220,000 ft³/s, Jan. 11, 1865, gage height 36.4 ft. Stages for the 1840, 1852, 1864, and 1865 floods were obtained from the City of Augusta, Georgia gage records that were copied in the log books of the National Weather Service. These floods, and floods recorded by the National Weather Service beginning in 1876, are stored in the USGS peak flow data base. Other historical documents indicated floods of unknown magnitude occurred in 1722 and 1741.

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	7340	8560	20100	8420	23500	16800	8980	22300	9600	5720	7900	e3770
2	5770	8650	14200	9020	23500	14500	12100	18400	6220	6910	4810	3720
3	6540	8880	8050	11800	22100	9720	14900	9170	5820	5390	e4730	5810
4	11000	8040	9670	10700	20600	8610	13900	6130	8370	e4620	e4090	7250
5	9340	8640	16700	11100	33400	10400	13700	7780	8000	4750	4850	8450
6	10500	9470	18000	10400	31800	11100	12700	12700	7830	5190	6060	8660
7	8930	10700	19000	6850	31300	16300	7990	13500	6270	4500	7230	8500
8	6690	11500	18900	7540	31400	31300	8800	5770	7850	5460	7470	3890
9	5090	14600	17000	12200	31600	27400	14900	5970	5470	8850	6640	8910
10	6080	16300	10400	9860	31400	29000	14600	4240	4500	4600	7170	12200
11	6420	16100	11100	7950	31700	28600	14700	4710	6580	5120	4310	10700
12	6690	19200	15400	8150	32000	28600	14600	4810	7360	5360	3950	7100
13	8780	20900	16100	7230	32000	28600	13100	4410	8270	4820	5660	7740
14	8290	22300	16200	9000	32200	30300	7470	4960	10400	4510	6080	6890
15	6790	26300	15700	6950	29900	30700	6990	4890	12200	6410	5480	6280
16	6530	27200	14100	6060	27800	28000	8880	3460	7240	4800	e5180	6320
17	8790	27400	9660	8030	25900	26000	7750	4100	7150	4380	e4630	5830
18	10500	27300	8930	5940	22100	25800	8060	8040	11200	5130	e3620	7500
19	15300	27100	10500	5640	20700	25800	7170	7150	11400	e3890	e3740	7190
20	18500	26900	13300	9040	18800	26500	5680	6970	11900	6900	7930	6660
21	15100	24500	11900	9700	20400	29500	5310	6980	13800	e4890	8350	6280
22	15500	21200	11100	7450	20500	30100	5820	6340	11600	3520	7830	6030
23	15800	20600	9360	7950	20200	30100	7140	5210	7620	e3800	7730	5910
24	15800	21200	8840	7860	16900	30200	6570	7200	7000	e4220	5880	7050
25	15600	21500	8220	7690	10600	30300	6160	6850	8910	e5860	e4050	7730
26	12300	21200	9660	9130	10800	30200	5020	5290	8450	e6380	e5640	7280
27	11800	21400	10300	8880	15800	23900	4930	4920	7680	e4070	e8500	7640
28	9690	20600	10400	12600	16200	21400	4990	6620	7320	e3640	8020	7000
29	8110	19900	10000	14000	16900	21900	5810	14500	7490	e3730	7040	5780
30	7030	20200	10400	20400	---	17000	9990	12200	5710	8550	7750	5520
31	6530	---	8370	20900	---	8780	---	10400	---	5850	5140	---
TOTAL	307130	558340	391560	298440	702000	727410	278710	245970	249210	161820	187460	209590
MEAN	9907	18610	12630	9627	24210	23460	9290	7935	8307	5220	6047	6986
MAX	18500	27400	20100	20900	33400	31300	14900	22300	13800	8850	8500	12200
MIN	5090	8040	8050	5640	10600	8610	4930	3460	4500	3520	3620	3720

e Estimated

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7319	7442	9222	10670	11980	14240	13210	9335	8370	7263	7580	7072
MAX	17740	18610	27270	30250	28480	29090	43850	27050	22830	13200	15820	14480
(WY)	1965	1996	1993	1993	1960	1952	1964	1964	1973	1976	1994	1964
MIN	2728	4017	3751	4084	4861	5637	5172	4476	4271	3627	3889	3332
(WY)	1952	1953	1953	1953	1956	1988	1988	1988	1988	1952	1952	1952

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1952 - 1996	
ANNUAL TOTAL	4138350		4317640			
ANNUAL MEAN	11340		11800		9462	
HIGHEST ANNUAL MEAN	†11420		†11520		16580	
LOWEST ANNUAL MEAN					5344	
HIGHEST DAILY MEAN	30800		Feb 26		84500	
LOWEST DAILY MEAN	5090		Oct 9		1770	
ANNUAL SEVEN-DAY MINIMUM	5310		May 26		2090	
INSTANTANEOUS PEAK FLOW			34400		Feb 5	
INSTANTANEOUS PEAK STAGE			20.48		Feb 5	
ANNUAL RUNOFF (CFSM)	1.51		†1.52		†1.54	
ANNUAL RUNOFF (INCHES)	20.50		†20.65		†20.85	
10 PERCENT EXCEEDS	22700		25800		17900	
50 PERCENT EXCEEDS	8980		8640		7000	
90 PERCENT EXCEEDS	5590		4890		5170	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1883 - 1951, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6988	6923	9645	13560	16950	17490	13660	8566	7962	8042	8864	7916
MAX	42170	21250	27390	40950	39560	52440	58700	20670	22700	19480	35030	47850
(WY)	1930	1949	1933	1936	1903	1929	1936	1929	1900	1906	1887	1888
MIN	2079	2614	4263	5137	4812	6298	5298	3427	3258	2811	1706	1453
(WY)	1905	1932	1884	1890	1938	1898	1896	1927	1925	1883	1925	1925

SUMMARY STATISTICS WATER YEARS 1883 - 1951

ANNUAL MEAN	10640
HIGHEST ANNUAL MEAN	16500
LOWEST ANNUAL MEAN	5836
HIGHEST DAILY MEAN	315000
LOWEST DAILY MEAN	1040
ANNUAL SEVEN-DAY MINIMUM	1170
INSTANTANEOUS PEAK FLOW	a350000
INSTANTANEOUS PEAK STAGE	b46.30
INSTANTANEOUS LOW FLOW	c648
ANNUAL RUNOFF (CFSM)	1.42
ANNUAL RUNOFF (INCHES)	19.25
10 PERCENT EXCEEDS	19900
50 PERCENT EXCEEDS	6720
90 PERCENT EXCEEDS	3180

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

a Gage height 45.10 ft, at site and datum then in use.

b At site and datum then in use.

c From rating curve extended below 1,400 ft³/s.

SAVANNAH RIVER BASIN

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA.

LOCATION.--Lat 33°19'50", long 81°54'55", Richmond County, Hydrologic Unit 03060106, 0.5 mi downstream from Spirit Creek, 50 ft upstream from the Federal Paperboard outfall, 10 mi southwest of Augusta, and at mile 182.5.

DRAINAGE AREA.--7,630 mi².

PERIOD OF RECORD.--July 1990 to February 1994, December 1994 to current year.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russel Reservoir and Thurmond Lake (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500, respectively). Discharge obtained from gaging station 02197000, Savannah River at Augusta, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 12...	0930	5770	65	61	7.2	7.1	22.0	23.5	8.3	95
NOV 07...	1015	10700	76	64	7.2	7.2	17.5	20.0	9.6	102
DEC 14...	1300	15000	61	60	6.9	6.9	13.0	20.5	9.4	89
JAN 25...	1030	6910	60	62	7.1	7.1	8.5	5.5	11.5	97
FEB 22...	1000	19900	54	51	7.5	7.0	8.5	15.5	12.2	105
MAR 21...	0930	29300	50	47	7.3	6.9	9.5	6.0	11.1	98
APR 10...	0915	14400	54	53	7.1	7.0	11.5	10.5	10.5	96
MAY 23...	0915	4620	73	68	6.9	7.0	19.5	26.5	9.0	98
JUN 13...	0915	8600	70	66	7.0	6.9	19.0	26.0	9.5	102
JUL 02...	0915	6190	66	64	7.0	6.6	21.5	30.0	8.9	101
AUG 15...	0915	4050	83	82	6.7	7.0	23.0	24.5	7.7	89
SEP 12...	0845	5460	64	64	6.8	6.7	23.0	24.5	7.2	85

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 12...	15	3.0	14	<1.0	20	14	3
NOV 07...	15	5.0	8	<1.0	20	17	5
DEC 14...	15	4.0	16	<1.0	<20	14	2
JAN 25...	10	5.0	<5	1.4	2800	18	3
FEB 22...	20	12	<5	<1.0	<20	13	6
MAR 21...	15	14	9	<1.0	230	8	10
APR 10...	40	16	18	1.4	20	9	5
MAY 23...	40	11	19	<1.0	<20	18	2
JUN 13...	10	9.0	23	1.3	<20	15	4
JUL 02...	15	6.0	12	<1.0	50	13	2
AUG 15...	--	6.0	11	--	<610	17	4
SEP 12...	10	3.0	6	<1.0	70	16	3

SAVANNAH RIVER BASIN

02197065 SAVANNAH RIVER BELOW SPIRIT CREEK NEAR AUGUSTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	0.240	0.070	0.23	0.30	0.54	0.030	2.0
NOV 07...	0.190	0.080	0.22	0.30	0.49	0.090	4.0
DEC 14...	0.200	0.110	0.29	0.40	0.60	0.050	3.0
JAN 25...	0.260	0.200	0.30	0.50	0.76	0.100	3.0
FEB 22...	0.200	<0.030	0.20	0.20	0.40	0.050	2.0
MAR 21...	0.160	0.040	0.26	0.30	0.46	0.100	3.0
APR 10...	0.240	0.090	0.31	0.40	0.64	0.040	4.0
MAY 23...	0.300	0.120	0.28	0.40	0.70	0.130	3.0
JUN 13...	0.280	0.070	0.23	0.30	0.58	0.150	3.0
JUL 02...	0.250	0.080	0.12	0.20	0.45	0.050	2.0
AUG 15...	0.290	0.110	0.19	0.30	0.59	0.320	4.0
SEP 12...	0.190	0.070	0.23	0.30	0.49	0.120	3.0

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, S.C.-Burke County, Ga., Hydrologic Unit 03060106, on left bank 0.5 mi downstream from Upper Three Runs Creek, 6.2 mi south of Jackson, 15.2 mi upstream from Steel Creek, and at mile 156.8.
DRAINAGE AREA.--7,800 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge defined below 22,000 ft³/s, only.

REVISED RECORDS.--WDR SC-90-1: 1983.

GAGE.--Data-collection platform. Datum of gage is 77.0 ft above sea level.

REMARKS.--Records good, except those for period of estimated daily discharges, which are fair. Water is diverted above and below gage by the Savannah River Plant with the volume diverted varying from day to day. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake, and affected, to some degree, by the Savannah River Plant operations (See "Lakes and Reservoirs in Savannah River Basin", station 02178500, 02179500, 02187250, 02189004, and 02194500). At times of high flow, bankfull capacity is exceeded in the intervening channel reach, therefore, daily mean discharges greater than 22,000 ft³/s are not shown for Nov. 18-22, Feb. 5-24, Mar. 11-18 and 22-28.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, Apr. 11, 1983; maximum gage height, 21.57 ft, Apr. 11, 1983; minimum daily discharge, 3,220 ft³/s, Dec. 9, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, Mar. 16; gage height, 18.86 ft; minimum daily discharge, 5,730 ft³/s, May 17.

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	9590	8820	20000	8670	17900	17300	14900	14400	13000	8200	8930	6740
2	8040	9920	19600	8960	19000	17400	14200	18000	10400	8550	8470	5870
3	7180	9940	16200	10600	19600	15400	15800	17500	8190	8660	7910	6940
4	10100	10500	11900	11500	19500	11200	16500	12600	8960	7500	6980	7790
5	11400	8540	14100	11300	---	10900	16500	10100	10500	7090	6570	9060
6	11400	9790	16800	11200	---	11400	16300	11100	10100	7670	7990	9710
7	11200	10600	18100	9770	---	13000	14200	15200	9670	8090	8350	9790
8	9320	12000	19000	6800	---	17300	11000	13000	9390	7090	9190	8150
9	7420	13700	19400	10600	---	20500	13800	8450	9710	7790	8920	6890
10	6430	15900	17600	11600	---	21800	16000	7840	7240	7260	8780	12800
11	7720	16600	14200	9760	---	---	16500	6630	7640	7230	8090	12700
12	7700	17300	15100	8320	---	---	16700	6790	9530	7320	6940	10300
13	8760	18500	16500	8330	---	---	16700	6600	10200	7250	7340	8930
14	9480	19400	16900	7820	---	---	14500	6310	11400	6900	8380	8000
15	8870	20100	17200	8750	---	---	10500	7290	13500	7740	8300	7470
16	8160	21100	16900	6730	---	---	10400	6250	12300	8140	7930	6670
17	8640	21700	14400	7250	---	---	10700	5730	9580	6970	7400	7010
18	10700	---	10900	7300	---	---	10400	7900	11200	7540	6350	7430
19	12900	---	11300	5970	---	21800	9830	9840	13000	6550	6180	7810
20	16300	---	13000	7460	---	21600	9180	9420	13200	8100	7720	7830
21	17400	---	14300	9340	---	21600	7720	9350	14300	8340	9120	7080
22	16800	---	13200	8990	---	---	7640	8710	14900	6440	9310	6950
23	17000	21200	11500	7570	---	---	8490	7770	12600	6190	9110	6260
24	16900	20700	9910	8160	---	---	9160	8410	9800	6990	8750	6970
25	17400	20500	9180	7790	17900	---	8590	9060	10200	6220	7790	8320
26	16200	20400	8910	8830	14000	---	7630	8470	11100	7980	6660	8130
27	14900	20400	10400	9410	14800	---	7130	7050	10500	6590	7960	8080
28	13400	20400	10600	9660	16200	---	7020	7860	10100	6380	9170	8260
29	11100	20300	10600	13500	16900	21200	7110	11800	9810	5820	9220	7260
30	9510	20100	10600	14800	---	20800	9560	14900	9260	8430	8630	6300
31	7940	---	10100	16800	---	18800	---	13900	---	8610	8550	---
TOTAL	349860	---	438400	293540	---	---	354660	308230	321280	229630	250990	241500
MEAN	11290	---	14140	9469	---	---	11820	9943	10710	7407	8096	8050
MAX	17400	---	20000	16800	---	---	16700	18000	14900	8660	9310	12800
MIN	6430	---	8910	5970	---	---	7020	5730	7240	5820	6180	5870

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, Ga.-Allendale County, S.C., Hydrologic Unit 03060106, on right bank 500 ft downstream of bridge on U.S. Highway 301, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 118.7.
DRAINAGE AREA.--8,650 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to September 1970, October 1982 to current year.

GAGE.--Data collection platform. Datum of gage is 54.42 ft above sea level.

REMARKS.--Records good, except those for periods of estimated daily discharge, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft³/s from rating curve extended above 141,000 ft³/s.

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	9470	7820	23400	10000	16700	18300	26500	10300	13700	8080	7660	7270
2	8560	8550	23200	9150	17900	18500	23500	13700	12800	7400	8790	5960
3	7210	9200	22900	9550	19500	18700	20500	15800	10000	7850	8260	5430
4	7020	e9400	21800	11200	21400	18200	18900	16700	8010	7440	7630	6370
5	9720	e9800	19000	11700	23300	15800	18200	15200	8940	6710	6640	7570
6	10500	e9750	17300	11800	24400	13700	18000	12400	9790	7490	6440	8560
7	10800	e9900	17300	11600	25400	13400	17900	12600	9590	8040	7380	e9010
8	10200	e10600	17900	9490	27600	14600	17000	14400	8790	7730	7930	e8800
9	8260	11800	18600	8030	30600	16300	14700	12900	9150	6930	8330	e7100
10	6540	13200	19500	11000	32100	18000	15000	9110	8550	7150	8130	7780
11	6110	14600	19900	11500	32600	20500	15900	7350	6920	6630	8070	11400
12	6810	15600	19000	9800	32600	24400	16500	6550	7580	6550	7390	11800
13	6980	16300	17900	8690	32600	27800	17000	6480	8880	6670	6780	9530
14	8090	17100	17500	8180	32500	29400	17300	6180	9890	6490	7290	8280
15	8480	17900	17500	8420	32600	30000	16600	6170	11300	6300	7810	7360
16	7860	18900	17600	8210	32800	30500	13700	6640	12600	7210	7660	6760
17	7350	20100	17700	6940	32700	31600	12000	5650	e11900	7030	7120	6380
18	8150	21600	16800	7570	32000	32800	11200	5590	e9500	6430	6560	6400
19	9870	23500	14500	7100	30700	32300	10700	8020	11000	6680	5780	7040
20	12100	25300	13700	6390	29100	30800	9890	8930	12300	5980	5680	7170
21	14000	26700	14200	8070	27400	29400	8760	8760	12800	7370	7310	7040
22	15200	27300	14700	9440	25800	28600	7710	8660	13500	7110	8220	6630
23	15800	27400	14000	8620	24500	28500	7690	8060	13900	5720	8300	6450
24	16100	27100	12200	7960	23700	29300	8490	7220	12300	5560	8200	6030
25	16400	26200	10500	8190	23300	30500	8680	8120	9760	5940	7660	6730
26	16700	25200	9380	8130	22800	31200	8220	8480	9870	6120	6880	7610
27	16700	24400	9590	9290	20900	31700	7340	7740	10300	6560	6290	7480
28	16400	23900	10600	10200	19100	32500	6940	6990	9660	5850	7410	7550
29	15000	23700	10900	11500	18500	32400	6810	8190	9120	5560	8270	7410
30	12200	23600	10800	13800	---	30700	7390	11800	8910	5360	8130	6630
31	9510	---	10900	15300	---	28500	---	13600	---	7730	7930	---
TOTAL	334090	546420	500770	296820	765100	788900	409020	298290	311310	209670	231930	225530
MEAN	10780	18210	16150	9575	26380	25450	13630	9622	10380	6764	7482	7518
MAX	16700	27400	23400	15300	32800	32800	26500	16700	13900	8080	8790	11800
MIN	6110	7820	9380	6390	16700	13400	6810	5590	6920	5360	5680	5430

e Estimated

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7571	7877	10110	12540	13890	16580	14680	10450	8119	8183	8513	7744
MAX	20150	22070	32410	35290	32430	33880	46240	29980	15960	19400	28040	20010
(WY)	1965	1948	1949	1993	1960	1944	1964	1964	1967	1941	1940	1964
MIN	2984	3284	4677	5067	5785	6089	5886	4192	4705	4178	4147	3597
(WY)	1942	1942	1953	1956	1989	1988	1988	1941	1952	1952	1951	1941

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	4660110		4917850		10510	
ANNUAL MEAN	12770	†12840	13440	†13160	18320	1964
HIGHEST ANNUAL MEAN					5790	1988
LOWEST ANNUAL MEAN					138000	Aug 18 1940
HIGHEST DAILY MEAN	33800	Mar 2	32800	Feb 16	2120	Sep 9 1951
LOWEST DAILY MEAN	5410	May 29	5360	Jul 30	2490	Sep 9 1951
ANNUAL SEVEN-DAY MINIMUM	5650	May 26	5850	Jul 24	141000	Aug 18 1940
INSTANTANEOUS PEAK FLOW			33000	Feb 16, Mar 18	27.00	Aug 18 1940
INSTANTANEOUS PEAK STAGE			17.70	Feb 16, Mar 18	1.21	
ANNUAL RUNOFF (CFSM)	1.48	†1.48	1.55	†1.52	16.50	
ANNUAL RUNOFF (INCHES)	20.04	†20.17	21.15	†20.67	19600	
10 PERCENT EXCEEDS	25000		26800		7750	
50 PERCENT EXCEEDS	9970		9890		508	
90 PERCENT EXCEEDS	6130		6630			

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, Hydrologic Unit 03060108, at right bank on downstream side of bridge on State Highway 80, 5 mi southeast of Wrens, and 5.5 mi upstream from Little Brushy Creek.

DRAINAGE AREA.--28.0 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft above sea level (levels by the Georgia Department of Transportation).

REMARKS.--Records good to fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 30	1300	*354	*5.88	No other peak greater than base discharge.			

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	20	21	20	32	42	26	61	57	15	8.5	11	13
2	20	20	20	37	39	21	42	35	14	8.6	13	14
3	19	21	20	58	71	19	34	28	14	8.9	12	13
4	30	20	20	33	43	17	32	25	16	8.7	12	13
5	38	18	20	27	34	18	30	23	15	24	13	14
6	32	17	21	25	32	38	30	21	14	35	14	12
7	27	39	57	40	29	115	31	20	13	19	14	11
8	22	58	35	36	28	99	28	21	18	14	15	11
9	20	31	37	28	26	44	27	23	21	13	13	10
10	19	25	29	26	24	37	25	21	15	12	13	14
11	19	47	23	24	25	33	24	19	14	12	14	20
12	20	58	21	29	22	30	23	18	13	11	26	17
13	24	36	20	26	20	27	23	17	14	11	25	13
14	26	31	20	23	20	24	23	17	13	12	17	12
15	29	27	19	21	20	29	23	16	18	14	14	11
16	23	25	19	20	19	81	23	16	17	17	13	12
17	21	25	19	20	18	79	22	16	13	14	12	13
18	20	24	19	21	18	88	21	15	12	12	12	12
19	20	24	140	30	18	56	20	15	12	11	12	12
20	20	23	62	26	27	41	22	14	13	11	11	11
21	19	22	39	21	23	34	22	13	14	13	10	12
22	19	22	32	19	23	31	20	12	14	16	8.9	14
23	19	21	29	18	27	28	18	11	13	16	9.5	13
24	19	23	27	28	21	25	18	11	11	13	14	12
25	19	25	25	28	17	25	17	27	10	13	12	12
26	19	23	24	21	16	27	19	27	10	29	12	12
27	23	22	25	100	15	27	36	18	10	16	15	12
28	64	22	23	59	43	100	28	29	9.9	13	21	13
29	30	22	23	39	47	63	39	24	9.5	12	17	15
30	22	21	22	34	---	46	212	19	8.6	11	14	22
31	22	---	25	45	---	53	---	17	---	10	13	---
TOTAL	744	813	935	994	807	1381	993	645	404.0	438.7	432.4	395
MEAN	24.0	27.1	30.2	32.1	27.8	44.5	33.1	20.8	13.5	14.2	13.9	13.2
MAX	64	58	140	100	71	115	212	57	21	35	26	22
MIN	19	17	19	18	15	17	17	11	8.6	8.5	8.9	10
CFSM	.86	.97	1.08	1.15	.99	1.59	1.18	.74	.48	.51	.50	.47
IN.	.99	1.08	1.24	1.32	1.07	1.83	1.32	.86	.54	.58	.57	.52

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.9	19.3	23.2	35.5	43.3	48.1	34.0	21.6	19.3	18.5	18.5	15.2
MAX	171	58.6	60.2	92.7	133	110	78.8	69.2	48.3	53.1	61.5	47.1
(WY)	1991	1993	1965	1995	1995	1980	1962	1964	1994	1964	1964	1964
MIN	6.77	8.73	9.42	11.8	15.4	13.2	11.1	7.92	6.73	5.71	6.27	5.99
(WY)	1988	1982	1989	1981	1968	1988	1986	1988	1990	1986	1986	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	15092.8		8982.1		26.3	
ANNUAL MEAN	41.4		24.5		50.1	
HIGHEST ANNUAL MEAN					11.7	
LOWEST ANNUAL MEAN					3800	
HIGHEST DAILY MEAN	1070	Feb 18	212	Apr 30	3.6	Oct 12 1990
LOWEST DAILY MEAN	7.6	Aug 16	8.5	Jul 1	3.9	aJul 22 1988
ANNUAL SEVEN-DAY MINIMUM	8.3	Aug 15	9.0	Jun 28	14.02	Jul 1 1990
INSTANTANEOUS PEAK FLOW			351	Apr 30	b11400	Oct 12 1990
INSTANTANEOUS PEAK STAGE			5.88	Apr 30	14.02	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.48		.88		.94	
ANNUAL RUNOFF (INCHES)	20.05		11.93		12.78	
10 PERCENT EXCEEDS	64		39		47	
50 PERCENT EXCEEDS	22		20		17	
90 PERCENT EXCEEDS	13		12		8.8	

a Also July 7, 1990.

b From rating curve extended above 4,300 ft³/s on basis of contracted-opening measurement of peak flow.

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.

LOCATION.--Lat 32°56'00", long 81°39'05", Screven County, Hydrologic Unit 03060108, near right bank on downstream side of pier of Girard- Millhaven Road bridge at Millhaven, 8.5 mi upstream from Beaverdam Creek.

DRAINAGE AREA.--646 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Monthly discharges only for October 1936 to April 1937, published in WSP 1303.

REVISED RECORDS.--WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.--Water-stage recorder. Datum of gage is 95.88 ft above sea level. Prior to June 7, 1950, nonrecording gage at site 200 ft downstream at same datum. June 7, 1950, to Apr. 30, 1951, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the 1970-79 water years are published in reports of the U.S. Geological Survey. Periods of monthly discharges only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1797, 25.1 ft in September or October 1929, from information provided by the Georgia Department of Transportation; discharge, 64,000 ft³/s, by slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 12	0300	*4,560	*11.21	No other peak greater than base discharge.			

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	1140	532	506	590	1180	713	1130	545	441	164	430	258
2	791	604	499	639	1460	704	1270	546	435	156	465	252
3	576	645	496	660	1610	682	1410	547	411	150	423	244
4	482	651	493	655	1290	705	1260	564	423	145	351	242
5	428	620	490	632	1150	703	1100	877	389	212	335	302
6	394	565	488	621	1120	755	1030	1230	318	795	302	347
7	389	557	551	671	1120	863	1000	936	272	795	282	291
8	413	661	616	764	1170	900	901	650	265	582	283	247
9	462	677	659	741	1410	1010	805	512	330	460	286	236
10	497	700	756	685	1170	1110	734	438	362	392	367	236
11	504	716	748	631	950	2110	689	392	360	371	415	254
12	502	734	773	614	828	4070	664	364	355	318	619	310
13	477	794	815	651	763	2420	649	360	378	274	670	301
14	440	1050	903	703	719	1520	632	366	398	270	520	269
15	431	1110	841	699	686	1170	602	354	404	292	483	259
16	423	922	710	635	652	1040	580	331	386	307	507	262
17	418	810	628	599	615	1040	556	305	331	338	537	271
18	419	899	586	596	592	1290	537	285	292	370	555	271
19	426	994	659	617	579	1510	520	271	306	353	555	254
20	451	836	836	620	582	1480	512	264	367	307	461	231
21	472	686	860	593	601	1370	504	256	346	321	380	218
22	502	595	850	579	603	1490	497	243	304	337	316	246
23	481	552	827	590	603	1550	484	231	272	343	271	277
24	421	532	923	610	590	1300	467	219	251	298	242	252
25	379	532	995	668	596	1110	458	242	232	272	223	225
26	354	526	1090	744	609	987	464	242	214	289	259	213
27	343	517	945	845	620	877	488	284	200	297	253	200
28	414	517	762	942	632	1010	470	350	187	386	250	190
29	444	520	656	871	722	1100	460	435	178	475	252	187
30	457	516	604	892	---	1110	515	447	172	407	269	207
31	497	---	585	1010	---	1110	---	448	---	343	259	---
TOTAL	14827	20570	22150	21367	25222	38809	21388	13534	9579	10819	11820	7552
MEAN	478	686	715	689	870	1252	713	437	319	349	381	252
MAX	1140	1110	1090	1010	1610	4070	1410	1230	441	795	670	347
MIN	343	516	488	579	579	682	458	219	172	145	223	187
CFSM	.74	1.06	1.11	1.07	1.35	1.94	1.10	.68	.49	.54	.59	.39
IN.	.85	1.18	1.28	1.23	1.45	2.23	1.23	.78	.55	.62	.68	.43

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	408	438	650	866	1020	1215	955	556	427	380	417	343
MAX	1814	1580	2091	1990	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1993	1960	1948	1961	1964	1973	1941	1940	1964
MIN	116	203	208	335	304	422	294	176	138	89.0	94.9	102
(WY)	1955	1955	1989	1956	1989	1938	1985	1986	1990	1986	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	280484		217637		637	
ANNUAL MEAN	768		595		1339	
HIGHEST ANNUAL MEAN					301	
LOWEST ANNUAL MEAN					1948	
HIGHEST DAILY MEAN	6250	Feb 21	4070	Mar 12	22100	Aug 16 1940
LOWEST DAILY MEAN	185	Aug 20	145	Jul 4	63	Jul 10 1990
ANNUAL SEVEN-DAY MINIMUM	196	Aug 17	165	Jun 28	64	Sep 5 1954
INSTANTANEOUS PEAK FLOW			4560	Mar 12	25400	Aug 16 1940
INSTANTANEOUS PEAK STAGE			11.21	Mar 12	a17.40	Aug 16 1940
INSTANTANEOUS LOW FLOW			143	Jul 4,5	62	Jul 9 1990
ANNUAL RUNOFF (CFSM)	1.19		.92		.99	
ANNUAL RUNOFF (INCHES)	16.15		12.53		13.40	
10 PERCENT EXCEEDS	1560		1060		1250	
50 PERCENT EXCEEDS	533		517		461	
90 PERCENT EXCEEDS	259		252		193	

a From graph based on gage readings.

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.

LOCATION.--Lat 32°56'15", long 81°48'56", Burke-Jenkins County line, Hydrologic Unit 03060108, at downstream side of bridge on State Highway 23, 4.2 mi southwest of Sardis, and 0.8 mi downstream from Slough Branch.

DRAINAGE AREA.--30.8 mi².

PERIOD OF RECORD.--June 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 186.48 ft above sea level.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 6	1130	*237	*5.45

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	7.7	5.7	7.6	22	84	37	54	18	4.9	3.1	13	4.5
2	7.2	5.7	7.4	32	65	26	53	12	4.6	3.0	40	4.8
3	6.6	6.4	7.1	29	101	21	44	9.3	4.4	3.1	19	5.0
4	6.3	6.4	6.8	23	79	16	34	7.8	4.4	3.2	13	6.0
5	6.6	5.5	6.8	18	55	15	28	6.7	4.1	78	8.2	7.6
6	6.3	5.3	6.9	15	44	28	26	6.1	4.0	219	8.5	6.1
7	6.1	15	23	25	40	85	30	5.7	3.8	120	7.3	5.2
8	5.8	33	23	29	37	111	28	5.5	6.2	39	8.2	4.9
9	5.6	16	29	22	35	66	26	5.3	14	25	6.2	4.7
10	5.4	11	35	21	32	39	22	5.0	7.7	14	6.2	4.4
11	5.4	12	23	16	29	29	19	4.8	6.3	9.4	18	4.6
12	5.5	14	16	15	26	26	17	4.6	5.6	7.4	89	4.5
13	5.8	11	13	14	24	23	16	4.4	4.9	6.3	35	4.3
14	6.6	9.8	11	13	23	22	16	4.5	5.1	5.8	18	4.1
15	7.9	8.8	11	12	23	23	15	4.5	6.0	7.5	12	4.0
16	6.9	7.7	10	11	23	43	14	4.3	4.6	8.9	8.9	4.1
17	5.9	7.2	9.7	11	20	57	12	4.3	4.2	7.2	7.0	4.4
18	5.5	7.2	9.7	14	18	122	11	4.2	4.0	12	5.9	4.2
19	5.2	6.6	72	23	17	118	9.9	4.1	4.8	12	5.2	4.1
20	5.1	6.3	99	19	25	64	11	3.9	4.4	7.9	4.9	4.0
21	5.0	6.5	56	15	30	42	11	3.8	4.0	6.5	4.6	4.1
22	4.9	6.5	33	13	27	32	9.6	3.7	3.8	7.6	4.3	5.7
23	4.8	6.3	23	13	23	28	8.6	3.7	3.6	11	4.2	4.6
24	4.8	6.6	19	15	21	25	7.8	3.7	3.5	8.6	4.2	4.3
25	4.8	8.2	17	18	18	25	7.0	5.9	3.4	7.2	8.4	4.1
26	4.7	8.1	17	15	16	25	11	5.9	3.4	8.1	14	4.0
27	6.0	7.6	15	98	15	27	18	13	3.3	7.0	6.5	4.0
28	12	7.5	14	160	25	128	11	18	3.2	5.8	5.5	4.0
29	7.7	9.1	13	81	51	136	10	10	3.2	5.5	5.2	4.3
30	7.0	8.6	14	46	—	81	25	6.9	3.1	5.0	4.9	5.5
31	5.8	—	15	65	—	53	—	5.7	—	5.4	4.6	—
TOTAL	190.9	275.6	663.0	923	1026	1573	604.9	205.3	142.5	669.5	399.9	140.1
MEAN	6.16	9.19	21.4	29.8	35.4	50.7	20.2	6.62	4.75	21.6	12.9	4.67
MAX	12	33	99	160	101	136	54	18	14	219	89	7.6
MIN	4.7	5.3	6.8	11	15	15	7.0	3.7	3.1	3.0	4.2	4.0
CFSM	.20	.30	.69	.97	1.15	1.65	.65	.22	.15	.70	.42	.15
IN.	.23	.33	.80	1.11	1.24	1.90	.73	.25	.17	.81	.48	.17

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	28.7	17.8	21.5	61.5	51.6	60.1	31.5	15.6	16.7	11.3	26.3	9.49
MAX	135	63.5	54.8	144	108	129	67.5	92.8	49.1	34.3	179	34.5
(WY)	1991	1993	1995	1993	1995	1991	1991	1991	1992	1991	1991	1992
MIN	3.49	4.84	5.16	8.55	9.82	12.9	7.77	3.97	3.23	3.18	2.85	3.17
(WY)	1988	1994	1988	1994	1989	1988	1995	1995	1990	1986	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	12574.3		6813.7		29.6	
ANNUAL MEAN	34.5		18.6		76.7	
HIGHEST ANNUAL MEAN					1991	
LOWEST ANNUAL MEAN					9.69	
HIGHEST DAILY MEAN	741	Jan 15	219	Jul 6	2160	Aug 2 1991
LOWEST DAILY MEAN	3.5	May 27	3.0	Jul 2	2.4	Aug 6 1993
ANNUAL SEVEN-DAY MINIMUM	3.7	May 22	3.1	Jun 28	2.5	Jul 31 1993
INSTANTANEOUS PEAK FLOW			237	Jul 6	Unknown	Aug 2 1991
INSTANTANEOUS PEAK STAGE			5.45	Jul 6	8.38	Aug 2 1991
INSTANTANEOUS LOW FLOW			2.9	Jul 2,3	2.2	a
ANNUAL RUNOFF (CFSM)	1.12		.60		.96	
ANNUAL RUNOFF (INCHES)	15.19		8.23		13.04	
10 PERCENT EXCEEDS	77		40		62	
50 PERCENT EXCEEDS	9.1		8.7		8.6	
90 PERCENT EXCEEDS	4.1		4.2		3.5	

a August 2,6, and September 2,3, 1993.

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.
(Radiochemical program station) (Tritium network)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, Ga.-Jasper County, S.C., Hydrologic Unit 03060109, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi north of Clio, and at mile 60.9.

DRAINAGE AREA.--9,850 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

REVISED RECORDS.--WSP 1112: 1940.

GAGE.--Data-collection platform. Datum of gage is 13.39 ft above sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of estimated daily discharge, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, 02189004, and 02194500).

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	e12700	15300	24800	11800	12700	20900	34700	9600	11400	10100	8140	8990
2	e12100	13100	24200	11700	13500	19700	33100	10800	12200	9520	8870	8600
3	11800	11300	23800	11100	14400	18700	31100	12000	12500	8790	9390	7530
4	e10700	11000	23500	10800	15200	18100	28600	13000	12400	8730	9560	6800
5	e9600	11000	23300	11000	16000	17700	25900	13900	11000	8720	9170	7190
6	e10500	11000	23000	11500	17000	17600	23300	14600	10100	8510	8460	8090
7	e10900	10700	22500	12000	18600	17500	21400	15000	10400	8650	8070	9000
8	11300	11000	21400	12200	20400	16900	20000	14900	10600	9150	e8470	9620
9	11400	11500	20000	11900	22400	16200	19100	14600	10300	9390	e9030	9790
10	10600	12100	19100	10700	24300	15700	18400	14500	10000	9030	9430	8920
11	8990	12700	18400	10800	27000	15500	17600	13900	9800	8880	9580	8490
12	7930	13300	18200	11500	30100	15800	16800	11600	8710	8490	9540	10100
13	8170	13900	18400	11500	32000	16300	16300	9250	8540	8110	9210	11000
14	8480	14500	18700	10800	32800	17800	16100	8250	9420	8050	8650	10900
15	9260	15000	18800	10000	32900	22300	16200	7770	10200	7910	8810	9910
16	9810	15500	18700	9660	32900	27800	16300	7570	10900	7750	9340	8810
17	9670	16000	18300	9600	32800	30800	16300	7760	11600	8130	9390	7960
18	9170	16500	18000	8840	32700	32700	16100	7280	12000	8280	8990	7440
19	9330	17200	17700	8730	32700	34800	15200	6980	11600	7830	8380	7340
20	10200	18200	17500	8580	32400	36500	13900	8230	11300	7800	7660	7620
21	11200	19200	17100	7970	31700	36600	12700	9420	11700	7490	7400	7890
22	12100	20700	16500	8620	30500	35300	11400	e9620	12100	8120	8260	7880
23	12800	23000	15900	9660	29000	33500	10100	e9550	12500	8330	9180	7550
24	13400	25400	15500	9870	27300	32100	9390	9180	12800	7430	9490	7310
25	14100	27000	15200	9390	25600	31200	9540	8510	13000	6970	9430	7000
26	14600	27700	14600	9270	24100	30900	9790	8680	12600	7100	9000	7300
27	15000	27800	13400	9250	23100	31400	9720	9140	11800	7190	8310	7980
28	15500	27300	12200	9830	22500	32800	9190	8920	11300	e7700	7680	8150
29	15800	26500	11800	10600	21900	34000	8660	8260	10900	e7300	8160	8160
30	16000	25600	11800	11200	—	34900	9020	8710	10400	6960	8920	8110
31	16000	—	11900	11900	—	35400	—	10200	—	6760	9140	—
TOTAL	359110	521000	564200	322270	728500	797400	515910	321680	334070	253170	273110	251430
MEAN	11580	17370	18200	10400	25120	25720	17200	10380	11140	8167	8810	8381
MAX	16000	27800	24800	12200	32900	36600	34700	15000	13000	10100	9580	11000
MIN	7930	10700	11800	7970	12700	15500	8660	6980	8540	6760	7400	6800

e Estimated

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9324	8874	11430	14350	15960	18500	17550	11690	9623	8864	9132	8238
MAX	83660	26510	39150	43930	37320	34780	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1993	1948	1944	1964	1964	1973	1941	1940	1964
MIN	2772	3233	5122	5853	6722	7043	6664	4873	4925	4635	4793	3098
(WY)	1932	1932	1940	1956	1989	1988	1986	1941	1988	1952	1951	1931

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	5293960		5241850		11940	
ANNUAL MEAN	14500	†14580	14320	†14040	20900	1964
HIGHEST ANNUAL MEAN					6399	1988
LOWEST ANNUAL MEAN					203000	Oct 2 1929
HIGHEST DAILY MEAN	40600	Mar 4	36600	Mar 21	1950	Sep 27 1931
LOWEST DAILY MEAN	6460	May 30	6760	Jul 31	2470	Sep 23 1931
ANNUAL SEVEN-DAY MINIMUM	6660	May 27	7140	Jul 25	a270000	Oct 6 1929
INSTANTANEOUS PEAK FLOW			36900	Mar 21	b29.70	Oct 6 1929
INSTANTANEOUS PEAK STAGE			16.79	Mar 21	1.21	
ANNUAL RUNOFF (CFSM)	1.47	†1.48	1.45	†1.43	16.47	
ANNUAL RUNOFF (INCHES)	19.99	†20.09	19.80	†19.36	21600	
10 PERCENT EXCEEDS	27400		27100		8960	
50 PERCENT EXCEEDS	12000		11400		5760	
90 PERCENT EXCEEDS	7150		7980			

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake,

a From rating curve extended above 120,000 ft³/s (from information provided by the U.S. Army Corps of Engineers).

b Present datum (from information provided by the U.S. Army Corps of Engineers).

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1938 to April 1939, October 1964 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

WATER TEMPERATURE: May 1938 to April 1939, January 1974 to July 1977.

REMARKS.--Laboratory analyses are performed by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with the analyzing agency code 85113 are performed by the U.S. Geological Survey. Field determinations of Discharge., Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 110 microsiemens June 14, 1977; minimum daily, 42 microsiemens July 5, 1974.

WATER TEMPERATURE: Maximum daily, 27°C Aug. 23, 1975, July 9, 13, 1977; minimum daily recorded 4.0°C Jan. 22-24, 26, 30, Feb. 1, 1977.

WATER-QUALITY DATA, Ws2356000.1ATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	1115	10700	87	81	6.9	7.2	23.0	28.5	6.9	80
NOV 01...	1245	15300	87	77	7.0	6.6	18.0	23.0	6.7	71
DEC 05...	1330	23300	70	65	6.6	6.8	13.0	22.0	7.9	75
JAN 24...	0945	9920	89	83	7.2	7.2	8.5	19.5	10.9	94
FEB 29...	0945	22000	74	71	6.8	6.8	13.5	12.5	9.1	87
MAR 28...	0935	32700	56	54	6.8	6.6	13.5	11.5	8.8	84
APR 18...	0830	16200	85	78	6.9	6.5	17.0	15.5	7.5	77
MAY 16...	0700	7520	108	99	7.0	6.7	21.0	16.5	7.0	78
JUN 20...	0830	11300	83	81	6.9	6.7	23.5	27.0	7.1	84
JUL 10...	1150	9000	89	87	6.9	6.7	25.5	31.5	6.8	83
AUG 22...	1200	8280	110	--	6.7	--	26.5	29.0	7.0	87
SEP 19...	1200	7300	101	101	7.2	7.0	24.5	24.0	7.1	84

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 10...	30	8.0	16	1.1	20	21	12
NOV 01...	30	7.0	18	1.2	230	18	11
DEC 05...	50	6.0	16	1.3	20	17	4
JAN 24...	30	9.0	<5	<1.0	50	21	11
FEB 29...	40	10	15	<1.0	230	19	6
MAR 28...	35	11	17	1.1	310	14	6
APR 18...	50	14	20	1.3	--	20	12
MAY 16...	40	18	26	<1.0	<20	22	25
JUN 20...	20	13	13	<1.0	40	17	16
JUL 10...	20	11	14	<1.0	<20	15	17
AUG 22...	--	--	17	--	--	--	22
SEP 19...	20	10	9	<1.0	20	20	--

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	0.210	<0.030	0.30	0.30	0.51	0.090	4.0
NOV 01...	0.190	<0.030	0.30	0.30	0.49	0.070	5.0
DEC 05...	0.080	<0.030	0.20	0.20	0.28	0.050	4.0
JAN 24...	0.250	0.060	0.24	0.30	0.55	<0.020	4.0
FEB 29...	0.120	<0.030	0.30	0.30	0.42	0.050	4.0
MAR 28...	0.030	<0.030	0.20	0.20	0.23	0.030	4.0
APR 18...	0.250	<0.030	0.40	0.40	0.65	0.040	4.0
MAY 16...	0.430	0.050	0.25	0.30	0.73	0.100	3.0
JUN 20...	0.360	<0.030	0.30	0.30	0.66	0.090	3.0
JUL 10...	0.380	<0.030	0.40	0.40	0.78	0.120	4.0
AUG 22...	0.330	<0.030	0.80	0.80	1.1	0.140	4.0
SEP 19...	0.260	<0.030	0.20	0.20	0.46	0.100	3.0

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)
OCT 10...	85113	10700	360	9.0
DEC 05...	85113	23300	275	8.0
JAN 24...	85113	9920	375	7.0
FEB 29...	85113	22000	205	6.0
APR 18...	85113	16200	433	14.0
JUL 10...	85113	9000	407	11.0
AUG 22...	85113	8280	458	11.0

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.

LOCATION.--Lat 32°21'56", long 81°17'51", Effington County, Hydrologic Unit 03060109, at downstream side of bridge pier on Stillwell Road, 0.5 mi east of Springfield, and 3 mi upstream from Little Ebenezer Creek.

DRAINAGE AREA.--181 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 20 ft above sea level (from topographic map). Prior to April 25, 1990, nonrecording gage at same site and datum.

REMARKS.--Records good, except those less than 10 ft³/s, which are fair to poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 31	1000	*412	*9.18

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	156	36	34	44	58	30	343	141	2.5	10	19	8.6
2	103	33	31	75	64	32	259	199	1.7	8.5	15	15
3	74	44	29	91	133	34	201	309	.84	6.9	13	26
4	68	43	29	97	183	32	157	274	.44	7.1	13	31
5	61	35	29	97	182	28	122	171	.39	46	17	52
6	47	33	28	79	172	30	94	103	.39	97	26	23
7	41	44	35	85	142	53	89	60	.54	123	76	16
8	35	119	36	110	113	119	84	40	.86	154	138	11
9	29	146	37	114	91	155	77	33	1.0	145	174	8.1
10	24	178	55	108	80	183	68	40	1.1	84	202	5.7
11	21	209	62	103	72	183	58	56	1.6	55	216	7.3
12	20	160	67	89	62	129	48	38	1.9	52	215	9.6
13	20	106	76	74	51	85	41	20	3.1	41	225	7.6
14	27	90	71	65	45	68	36	11	7.4	48	158	4.6
15	75	87	57	61	41	62	30	5.0	10	66	107	2.5
16	78	73	48	55	42	51	26	4.7	12	48	92	1.6
17	81	59	44	51	41	51	23	5.9	24	50	65	1.4
18	73	50	42	48	43	131	20	5.4	54	92	43	1.3
19	53	44	41	61	43	253	17	3.7	63	128	28	1.1
20	36	40	42	80	44	325	16	4.8	62	81	19	1.0
21	27	39	40	92	49	351	15	10	45	48	13	1.1
22	21	35	38	95	48	283	14	11	23	34	8.0	1.2
23	18	32	36	83	50	188	14	12	12	27	5.0	1.3
24	15	30	34	69	47	125	15	8.2	4.7	23	5.6	1.3
25	14	31	31	65	41	94	16	5.6	16	23	6.4	1.1
26	12	31	29	61	41	77	14	5.5	34	28	11	1.0
27	12	31	29	64	47	66	12	2.6	29	26	6.1	1.0
28	25	36	27	67	36	157	13	1.4	20	30	20	.99
29	23	38	25	63	32	288	15	3.0	22	30	51	1.0
30	23	38	26	60	—	362	46	3.8	17	26	19	.98
31	29	—	31	58	—	404	—	3.4	—	24	12	—
TOTAL	1341	1970	1239	2364	2093	4429	1983	1591.0	471.46	1661.5	2018.1	245.37
MEAN	43.3	65.7	40.0	76.3	72.2	143	66.1	51.3	15.7	53.6	65.1	8.18
MAX	156	209	76	114	183	404	343	309	63	154	225	52
MIN	12	30	25	44	32	28	12	1.4	.39	6.9	5.0	.98
CFSM	.24	.36	.22	.42	.40	.79	.37	.28	.09	.30	.36	.05
IN.	.28	.40	.25	.49	.43	.91	.41	.33	.10	.34	.41	.05

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	218	127	183	373	310	256	163	54.2	132	61.0	318	62.5
MAX	817	327	557	734	561	506	455	275	324	206	1033	148
(WY)	1995	1993	1995	1993	1995	1993	1991	1991	1991	1991	1991	1992
MIN	.55	15.6	23.5	76.3	72.2	98.9	24.1	1.64	6.30	.053	.40	.12
(WY)	1994	1992	1992	1996	1996	1992	1994	1995	1990	1990	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	73533.05		21406.43		200	
ANNUAL MEAN	201		58.5		373	
HIGHEST ANNUAL MEAN					1991	
LOWEST ANNUAL MEAN					58.5	
HIGHEST DAILY MEAN	7010	Aug 27	404	Mar 31	7010	Aug 27 1995
LOWEST DAILY MEAN	.40	May 27	.39	Jun 5,6	.01	a
ANNUAL SEVEN-DAY MINIMUM	.44	May 23	.64	Jun 3	.01	Jul 6-9 1990
INSTANTANEOUS PEAK FLOW			412	Mar 31	8960	Aug 26 1995
INSTANTANEOUS PEAK STAGE			9.18	Mar 31	17.80	Aug 26 1995
INSTANTANEOUS LOW FLOW			.35	Jun 4-6	.01	a
ANNUAL RUNOFF (CFSM)	1.11		.32		1.11	
ANNUAL RUNOFF (INCHES)	15.11		4.40		15.02	
10 PERCENT EXCEEDS	404		143		442	
50 PERCENT EXCEEDS	53		38		57	
90 PERCENT EXCEEDS	6.8		4.7		.78	

a July 6-15, 28-31, 1990 and October 14,15, 1993.

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.

LOCATION.--Lat 32°14'08", long 81°09'05", Effingham County, Hydrologic Unit 03060109, at right downstream fender of bridge on Interstate 95, 1 mi downstream from Abercorn Creek, and 6.1 mi north of Port Wentworth.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.37 ft, Feb. 7, 1993; minimum elevation recorded, -5.24 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.17 ft, Dec. 22 and Feb. 19; minimum elevation recorded, -3.91 ft, Jan. 20.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.95	-.55	5.27	-1.48	5.23	-.20	5.22	-2.06	5.14	-2.43	4.80	-.28
2	5.83	-.98	5.31	-1.48	5.10	-.25	5.61	-1.71	5.23	-1.86	5.33	.01
3	5.75	-1.16	5.30	-1.82	5.37	-.54	5.01	-1.97	5.15	-1.93	5.01	-.62
4	5.71	-.99	5.09	-2.20	5.29	-.49	4.73	-3.09	5.21	-1.80	5.16	-1.06
5	5.44	-1.84	5.65	-1.99	5.54	-.68	5.19	-2.40	5.06	-1.98	5.08	-.97
6	5.47	-2.36	5.68	-1.74	5.50	-.42	5.27	-2.28	5.08	-1.91	4.93	-1.41
7	5.43	-2.29	5.60	-1.91	5.35	-.40	5.45	-2.60	5.05	-1.77	4.88	-1.69
8	5.60	-2.14	4.83	-2.69	5.81	.24	3.98	-3.28	5.03	-1.71	4.09	-2.27
9	5.94	-1.11	5.33	-2.21	5.33	-.03	4.39	-2.92	4.52	-1.88	4.78	-1.89
10	6.02	-.44	5.28	-1.76	4.96	-.68	4.55	-3.10	4.80	-1.23	4.78	-1.25
11	5.80	-.54	5.23	-1.51	4.66	-1.08	4.90	-1.83	4.65	-.92	4.96	-.89
12	5.62	-1.22	4.20	-2.28	4.83	-1.01	4.92	-2.49	4.38	-.73	5.13	-1.32
13	5.53	-1.17	4.75	-1.38	4.80	-.81	4.68	-1.98	4.64	-.11	5.23	-1.55
14	5.20	-1.39	4.72	-1.01	4.87	-.79	4.76	-2.03	4.73	.22	5.15	-1.90
15	5.01	-1.59	4.28	-1.55	4.66	-1.04	4.72	-2.63	5.23	.46	5.08	-1.87
16	4.93	-1.04	4.64	-1.46	4.61	-1.03	4.93	-2.63	5.51	.96	5.39	-1.86
17	5.23	-.92	4.82	-1.58	5.32	-.19	5.48	-2.71	5.58	.77	5.54	-1.11
18	5.09	-.83	4.96	-1.40	5.77	-.35	5.63	-2.94	6.06	1.22	6.05	.09
19	5.20	-1.03	5.17	-1.48	5.94	-.85	5.73	-2.98	6.17	2.13	5.96	1.48
20	5.36	-1.21	5.52	-1.82	5.28	-1.68	5.51	-3.91	5.91	1.91	5.00	.74
21	5.22	-2.01	5.64	-1.67	6.15	-1.33	5.76	-2.70	5.78	1.60	5.39	.91
22	5.48	-1.92	5.86	-1.76	6.17	-1.04	5.70	-2.89	5.72	1.53	5.46	1.33
23	5.66	-1.65	6.13	-1.02	6.09	-.80	5.56	-2.72	5.49	1.18	5.44	1.64
24	5.74	-1.50	5.97	-.70	5.83	-1.35	5.42	-2.81	5.20	.65	5.30	1.34
25	5.74	-1.92	5.99	-.55	5.37	-1.81	4.84	-3.11	4.81	.50	5.00	1.23
26	5.73	-1.99	5.86	-.23	5.47	-2.18	4.96	-2.38	4.57	.20	4.85	.92
27	5.86	-1.57	5.66	.15	5.21	-1.98	4.71	-3.36	4.33	.03	4.44	.83
28	5.43	-1.74	5.34	.17	5.15	-1.62	3.72	-2.23	4.53	-.20	5.08	1.20
29	5.50	-1.86	5.11	-.13	4.93	-1.56	4.42	-1.97	4.45	-.20	4.79	1.29
30	5.63	-1.03	5.25	.14	5.03	-1.85	4.57	-2.22	---	---	4.89	1.28
31	5.49	-1.01	---	---	5.13	-1.95	4.70	-2.30	---	---	5.39	1.96
MONTH	6.02	-2.36	6.13	-2.69	6.17	-2.18	5.76	-3.91	6.17	-2.43	6.05	-2.27

[illegible]

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1986 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 740 microsiemens July 1, 2, 5, 1991; minimum, 30 microsiemens, August 26, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 230 microsiemens Nov. 4; minimum recorded, 40 microsiemens, on several days in Feb., Apr., May and June.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	70	60	110	80	70	50	90	70	70	60	70	60
2	80	60	120	90	70	50	80	70	70	50	70	60
3	80	60	120	90	80	60	110	70	60	50	70	60
4	80	60	230	90	120	60	100	70	70	50	80	60
5	90	60	110	90	140	60	120	70	70	50	90	60
6	90	80	100	90	70	60	110	70	80	50	90	80
7	100	80	110	90	80	60	120	70	70	60	90	80
8	100	70	110	90	70	60	90	70	70	60	100	80
9	80	70	110	100	70	60	150	70	70	50	100	70
10	80	70	110	90	70	60	130	70	60	50	90	80
11	90	70	100	90	70	60	100	80	60	40	90	80
12	100	80	100	80	70	60	100	70	60	40	90	70
13	100	80	90	80	70	60	80	60	50	40	80	70
14	110	90	90	80	90	60	80	60	50	40	80	70
15	100	90	90	70	120	70	90	70	60	40	80	60
16	100	80	90	70	90	60	90	70	60	50	80	60
17	90	70	90	70	80	60	100	70	60	50	80	60
18	100	80	80	70	80	60	100	80	60	50	80	60
19	110	90	80	70	70	60	100	80	60	50	70	60
20	110	100	140	70	80	60	110	90	60	50	70	60
21	110	90	90	70	140	70	110	90	70	50	70	60
22	100	80	80	70	100	60	100	90	70	60	70	60
23	90	70	120	60	80	60	110	90	70	60	70	60
24	90	70	80	60	80	60	100	70	80	60	80	60
25	80	70	80	60	80	60	90	70	80	60	80	60
26	90	70	80	60	80	70	90	70	80	60	80	50
27	80	70	130	60	80	70	90	70	80	60	70	50
28	80	70	130	60	80	70	80	70	70	60	70	50
29	90	70	120	70	80	70	80	60	70	60	70	50
30	90	80	100	50	90	70	80	60	---	---	70	50
31	90	80	---	---	80	70	80	60	---	---	70	50
MONTH	110	60	230	50	140	50	150	60	80	40	100	50

[illegible]

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.

LOCATION.--Lat 32°09'57", long 81°09'14", Chatham County, Hydrologic Unit 03060109, at right downstream fender of bridge on U.S. 17, 1.4 mi north of Port Wentworth.

PERIOD OF RECORD.--October 1987 to current year.

GAGE-HEIGHT RECORDS

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft below sea level, at mean low water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 11.08 ft February 7, 1993 and Sept. 26, 1992; minimum gage height recorded, -3.41 ft, Apr. 7, 1989 and Mar. 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 9.93 ft, Dec. 22 and May 31; minimum gage height recorded, -3.07 ft, Mar. 8.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.69	1.61	8.81	.16	8.68	-.10	8.73	.65	8.65	.13	8.17	1.05
2	9.53	.99	8.84	-.33	8.51	-.33	9.24	.96	8.75	.62	8.83	1.14
3	9.45	.99	8.84	-.39	8.86	-.33	8.54	-.50	8.70	-.37	8.42	-.10
4	9.37	.83	8.65	-.68	8.78	-.09	8.13	-1.22	8.72	.09	8.64	-.63
5	9.03	---	9.33	-.09	9.09	-.37	8.72	-.29	8.54	-.17	8.55	-.52
6	---	---	9.36	.09	9.03	.14	8.82	.06	8.55	-.60	8.34	-1.33
7	9.05	-.67	9.24	-.07	8.86	.15	9.03	-1.62	8.53	-.38	8.27	-1.42
8	9.27	-.61	8.31	-.79	9.40	1.55	7.33	-1.39	8.48	-.90	7.32	-3.07
9	9.72	.79	8.93	.17	8.84	.96	7.84	-.98	7.82	-1.32	8.22	-1.10
10	9.83	1.35	8.85	.63	8.40	.46	7.94	-.87	8.20	-.30	8.30	.41
11	9.52	1.43	8.77	.86	8.07	.02	8.40	.65	7.99	-.64	8.49	1.14
12	9.31	1.41	7.73	.37	8.26	.43	8.40	-.11	7.59	-1.01	8.67	.27
13	9.19	1.61	---	---	8.28	1.15	8.13	.32	7.84	-.19	8.76	.12
14	8.79	1.67	8.24	1.57	8.28	.95	8.17	.51	7.90	-.93	8.67	-.53
15	8.57	1.61	---	1.01	8.04	.77	8.09	-.17	8.54	-.77	8.57	-.97
16	8.49	2.09	8.05	1.14	7.99	.87	8.42	-.31	8.87	-1.62	8.94	-1.08
17	8.82	2.28	8.26	.81	8.87	1.75	9.11	-.70	8.98	-1.73	9.09	-1.16
18	8.65	2.30	8.43	.55	9.37	.35	9.32	-.95	9.53	-1.81	9.58	-1.17
19	8.79	2.12	8.60	-.26	9.56	-.43	9.45	-2.36	9.61	-.55	9.41	-1.96
20	---	---	---	-.38	8.79	-1.36	9.18	-2.53	9.32	-.87	8.08	-2.53
21	---	---	9.24	-.68	9.89	-.87	9.54	-1.26	9.13	-.99	8.67	-2.24
22	---	---	9.51	-1.57	9.93	-.97	9.47	-1.38	8.79	-.59	8.69	-1.07
23	---	---	9.84	-.74	9.81	-.81	9.21	-1.22	8.68	-.46	8.44	-.07
24	---	---	9.62	-.81	9.48	-1.21	9.00	-1.57	8.39	-.43	8.35	.16
25	---	---	9.64	-.64	8.91	-1.54	8.33	-1.07	7.94	.26	8.04	.74
26	---	---	9.46	-.39	9.04	-1.33	8.49	-.15	7.70	.37	7.96	.51
27	---	---	9.18	-.24	8.73	-.73	8.19	-1.05	7.46	.80	7.44	.66
28	---	---	8.77	-.22	8.67	.24	7.19	.60	7.76	.68	8.29	.89
29	---	---	8.50	-.30	8.40	.78	7.91	1.01	7.70	.83	7.85	1.18
30	---	---	8.71	.69	8.52	.62	7.99	.47	---	---	7.97	1.62
31	9.08	.69	---	---	8.64	.47	8.12	.13	---	---	8.57	1.14
MONTH	---	---	---	---	9.93	-1.54	9.54	-2.53	9.61	-1.81	9.58	-3.07

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.-- Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.59	.69	8.82	-1.25	9.84	-.12	9.55	-1.95	9.29	-1.80	9.48	.17
2	8.69	-.68	8.96	-.81	9.79	-.60	9.64	-1.63	9.05	-1.69	9.17	.29
3	8.89	-.36	9.22	-1.11	9.66	-.87	9.42	-1.29	8.98	-1.59	8.89	.10
4	8.79	-.69	9.28	-1.32	9.64	-.90	9.57	-1.35	8.72	-1.26	8.79	.81
5	8.75	-1.20	9.15	-1.44	9.55	-.59	9.57	-.63	8.61	-.80	8.32	1.54
6	8.99	-.87	9.09	-1.37	9.35	-.55	9.05	-1.07	8.49	-.17	8.01	.82
7	9.11	-.22	9.29	-.78	9.11	-.59	8.72	-.92	8.67	.37	8.38	.93
8	9.09	.06	9.39	-.36	8.78	-.72	8.50	-.80	8.72	1.04	8.54	.76
9	8.93	-.28	8.98	-.53	8.75	-.41	8.43	-1.04	8.56	.48	8.46	.78
10	8.55	.42	8.76	-.89	8.68	-.87	8.61	-.57	8.52	.03	8.56	.43
11	8.57	-.39	8.60	-1.09	8.85	-.81	9.55	.76	8.83	.22	8.71	.30
12	8.41	-.76	8.96	-1.40	8.84	-.78	9.13	1.02	8.54	.40	8.87	.28
13	8.60	-1.05	9.34	-.32	8.61	-.77	8.56	-.38	8.95	.01	8.78	.21
14	8.85	-1.38	9.30	-.61	8.80	-.83	8.66	-.31	8.89	.32	8.90	.24
15	9.24	-1.20	9.08	-.33	8.69	-.46	8.38	-.62	8.87	.35	8.79	.28
16	8.79	-2.07	8.88	-1.22	8.69	-.38	8.49	-.82	8.77	.12	8.65	.21
17	9.27	-1.52	8.81	-1.16	8.61	-.21	8.22	-.64	8.61	.20	8.12	-.20
18	9.10	-1.25	8.69	-1.12	8.75	.12	8.15	-.54	8.46	.23	8.53	.16
19	9.01	-1.04	8.69	-.82	8.22	.35	7.74	-.63	8.45	.27	8.63	.98
20	8.54	-.76	8.61	-.36	7.78	-.28	7.66	-.94	8.50	.66	8.88	1.15
21	8.36	-.60	8.40	.07	7.93	-.06	7.91	-.17	8.62	.56	8.93	.95
22	8.14	-.47	8.33	.10	8.03	.41	7.93	.09	8.72	.72	8.74	-.17
23	8.11	-.26	8.32	.68	7.96	.66	7.73	.00	8.68	.28	8.98	-.43
24	7.35	-.42	8.35	.92	7.98	.46	8.01	-.34	8.85	-.17	9.44	-.58
25	7.50	.79	7.80	.47	8.02	.24	8.06	-.75	9.02	-.98	9.51	-.61
26	7.52	.35	8.10	1.10	8.82	.08	8.29	-1.02	9.31	-1.30	9.66	-.58
27	7.46	.32	8.27	.80	9.45	1.18	8.85	-1.19	9.61	-1.37	9.60	-.24
28	7.83	.77	8.52	-.01	9.59	.49	9.34	-1.41	9.55	-1.60	9.51	-.59
29	8.30	.19	8.83	.20	9.55	-.67	9.46	-1.92	9.72	-1.08	9.10	-.77
30	8.12	-.89	9.86	-.02	9.78	-1.11	9.49	-2.24	9.75	-.44	9.24	-.30
31	---	---	9.93	.64	---	---	9.45	-2.08	9.61	.11	---	---
MONTH	9.27	-2.07	9.93	-1.44	9.84	-1.11	9.64	-2.24	9.75	-1.80	9.66	-.77

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.-- Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1987 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 25,500 microsiemens Nov. 24, 1993; minimum, 30 microsiemens Jan. 2, 3, 1993

Apr. 2-8, 10, 11, 1993, Oct. 4, 1994, Oct. 28, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 24,400 μ S Sept. 7; minimum, 30 μ S Oct. 28.SPECIFIC CONDUCTANCE, μ S/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	940	80	360	110	100	70	7470	80	9810	80	1540	90
2	1100	80	280	110	100	70	9850	80	15300	80	6570	90
3	390	80	260	110	100	70	5650	80	9590	60	2480	90
4	340	80	330	110	100	60	3840	80	3860	60	960	90
5	280	80	1700	120	110	70	5900	80	2730	50	220	70
6	200	90	2160	110	120	70	5050	80	1210	60	150	70
7	240	100	920	110	100	70	3540	80	480	90	100	70
8	290	80	400	110	100	80	970	80	280	90	130	50
9	440	80	1780	130	110	80	2810	80	130	80	170	70
10	670	70	2670	130	110	70	6650	80	130	80	150	70
11	630	80	2430	120	130	70	9560	80	160	80	160	70
12	2470	80	8590	120	1530	70	8880	90	110	80	3120	60
13	7820	90	13600	110	3540	70	9370	80	110	80	5240	60
14	7470	100	15500	100	5220	70	9560	80	90	80	2600	60
15	9190	100	16000	100	5170	80	9950	80	110	80	1360	60
16	16500	110	18000	100	4410	80	9920	90	110	80	400	60
17	20200	110	11400	100	9440	80	7580	90	110	80	150	60
18	18200	100	12300	90	8340	80	4350	100	100	70	90	50
19	17700	80	8520	90	2870	80	2050	90	110	80	70	50
20	16800	120	3700	40	190	80	760	90	150	70	70	50
21	11700	70	450	40	290	80	870	100	130	80	70	50
22	8610	70	190	40	190	80	840	90	150	80	80	50
23	4660	40	130	40	130	80	660	100	190	80	60	50
24	1510	40	90	40	130	70	500	90	90	80	70	50
25	430	40	100	50	110	80	250	80	100	80	70	50
26	250	40	70	50	120	80	570	90	100	90	70	50
27	220	40	80	50	140	80	1420	90	100	90	70	50
28	190	30	90	50	110	80	4230	90	130	90	70	50
29	140	40	80	50	310	80	9750	90	310	90	70	50
30	2180	40	100	50	1270	80	9810	90	---	---	60	50
31	1170	40	---	---	3470	80	15100	80	---	---	60	50
MONTH	20200	30	18000	40	9440	60	15100	80	15300	50	6570	50

SAVANNAH RIVER BASIN

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA.

LOCATION.--Lat 32°05'02", long 81°05'45", Chatham County, Hydrologic Unit 03060109, at downstream side of docking facility at SEPCO Riverside Power Plant, located on River Street at the foot of West Broad Street, 0.4 mi northwest of U.S. Custom House at Savannah.
 PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.46 ft below sea level, at low mean water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 11.04 ft Feb. 7, 1993; minimum gage height recorded, -2.75 ft, Apr. 7, 1989, Feb. 24, 1990, Feb. 15, 1991, Mar. 13, 1993, and Mar. 19-21, 1996, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 9.81 ft, May 31; minimum gage height recorded, -2.75 ft, Mar 19-21, but was lower during the period when the stage went below the recordable range of the gage.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.48	1.51	8.48	.05	8.36	-.35	8.39	.79	8.35	.01	7.80	.89
2	9.30	.91	8.54	-.43	8.14	-.55	8.99	.53	8.43	.51	8.50	.66
3	9.18	.92	8.51	-.67	8.53	-.43	8.17	-.85	8.37	-.37	8.03	-.32
4	9.10	.70	8.29	-.76	8.45	-.36	7.77	-1.35	8.39	-.01	8.26	-.82
5	8.74	-.47	9.12	-.11	8.78	-.55	8.36	-.38	8.17	-.36	8.18	-.71
6	8.85	-.86	9.12	-.02	8.75	-.08	8.47	-.06	8.14	-.72	7.96	-1.58
7	8.77	-.80	9.00	-.10	8.54	-.03	8.71	-1.84	8.14	-.52	7.84	-1.68
8	9.03	-.73	8.01	-.89	9.22	1.38	6.85	-1.48	8.08	-1.10	6.94	-2.76
9	9.58	.72	8.61	.15	8.55	.79	7.39	-1.07	7.40	-1.54	7.85	-1.20
10	9.64	1.25	8.57	.65	8.09	.33	7.49	-.96	7.74	-.60	8.05	.33
11	9.31	1.32	8.42	.75	7.71	-.08	8.04	.53	7.64	-.79	8.20	1.05
12	9.09	1.40	7.45	.34	7.90	.31	8.01	-.23	7.17	-1.26	8.35	.14
13	8.93	1.59	7.93	1.32	7.90	1.03	7.73	.15	7.41	-.41	8.43	-.04
14	8.47	1.63	7.96	1.44	7.89	.81	7.73	.40	7.44	-1.25	8.32	-.70
15	8.31	1.55	7.35	.87	7.60	.62	7.69	-.33	8.13	-1.25	8.19	-1.17
16	8.17	1.94	7.67	.92	7.56	.72	8.13	-.39	8.53	-2.32	8.57	-1.32
17	8.55	2.21	7.89	.73	8.56	1.59	8.79	-.99	8.77	-2.31	8.78	-1.46
18	8.34	2.24	8.05	.45	9.14	.16	9.07	-1.20	9.30	-2.59	9.37	-1.67
19	8.47	2.00	8.32	-.46	9.33	-1.00	9.27	-2.67	9.41	-1.44	9.20	---
20	8.64	.60	8.82	-.48	8.47	-1.67	8.94	-2.67	9.05	-1.66	7.72	---
21	8.43	.50	8.97	-.90	9.71	-1.11	9.37	-1.47	8.87	-1.70	8.32	---
22	8.78	-.11	9.29	-1.90	9.79	-1.31	9.30	-1.62	8.50	-1.22	8.38	-1.68
23	9.07	.03	9.69	-.98	9.69	-1.26	8.98	-1.40	8.34	-.93	8.16	-.59
24	9.24	-.60	9.43	-1.20	9.27	-1.61	8.70	-1.79	8.14	-.75	7.98	-.25
25	9.20	-.79	9.46	-.97	8.63	-1.85	7.97	-1.21	7.64	.01	7.78	.39
26	9.17	-.93	9.25	-.81	8.75	-1.48	8.16	-.21	7.35	.16	7.61	.22
27	9.32	-.31	8.94	-.64	8.39	-.89	7.83	-1.16	7.04	.63	7.00	.42
28	8.60	-.63	8.48	-.51	8.33	.13	6.79	.54	7.31	.08	7.97	.68
29	8.84	-.06	8.15	-.49	7.99	.69	7.54	.88	7.23	.59	7.49	.95
30	8.99	1.12	8.37	.48	8.17	.53	7.59	.35	---	---	7.59	1.54
31	8.81	.62	---	---	8.29	.38	7.75	.01	---	---	8.22	.89
MONTH	9.64	-.93	9.69	-1.90	9.79	-1.85	9.37	-2.67	9.41	-2.59	9.37	---

SAVANNAH RIVER BASIN

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA.-- Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.28	-.01	8.52	-1.36	9.72	-.24	9.35	-2.18	9.03	-2.01	9.32	.06
2	8.38	-1.20	8.65	-.90	9.66	-.77	9.52	-1.76	8.75	-1.90	8.91	.21
3	8.60	-.96	8.97	-1.21	9.51	-1.05	9.21	-1.60	8.46	-1.66	8.59	.07
4	8.50	-1.24	9.04	-1.44	9.49	-1.06	9.39	-1.49	8.39	-1.31	8.53	.79
5	8.47	-1.83	8.89	-1.60	9.13	-.75	9.34	-.76	8.30	-.86	8.05	1.48
6	8.79	-1.44	8.82	-1.58	9.13	-.75	8.79	-1.20	8.09	-.23	7.65	.70
7	8.86	-.58	9.17	-1.07	8.89	-.68	8.41	-1.02	8.33	.34	8.03	.82
8	8.74	-.35	9.17	-.47	8.49	-.86	8.15	-.85	8.41	1.00	8.26	.61
9	8.68	-.48	8.69	-.76	8.43	-.56	8.05	-1.12	8.21	.38	8.07	.61
10	8.27	.20	8.48	-1.05	8.34	-.94	8.25	-.59	8.18	-.06	8.17	.33
11	8.19	-.53	8.24	-1.23	8.53	-.85	9.44	.89	8.49	.13	8.34	.20
12	7.99	-.93	8.69	-1.45	8.50	-.84	8.86	.99	8.23	.27	8.52	.18
13	8.18	-1.22	9.10	-.40	8.31	-.80	8.22	-.45	8.65	-.13	8.43	.12
14	8.52	-1.50	9.08	-.66	8.49	-.84	8.30	-.36	8.60	.18	8.57	.11
15	8.97	-1.60	8.85	-.41	8.37	-.50	8.04	-.71	8.54	.27	8.45	.15
16	8.45	-2.25	8.60	-1.27	8.33	-.44	8.11	-.88	8.44	.06	8.30	.14
17	9.02	-1.79	8.54	-1.19	8.25	-.26	7.83	-.72	8.28	.12	7.46	-.31
18	8.83	-1.49	8.35	-1.18	8.43	.07	7.74	-.56	8.10	.16	8.22	-.03
19	8.72	-1.28	8.42	-.84	7.70	.35	7.32	-.70	8.11	.23	8.35	.94
20	8.22	-1.06	8.29	-.41	7.35	-.34	7.28	-1.02	8.18	.62	8.58	1.00
21	7.97	-.74	8.05	.03	7.62	-.09	7.52	-.31	8.29	.48	8.61	.86
22	7.73	-.55	7.95	.05	7.65	.34	7.51	-.03	8.39	.60	8.42	-.26
23	7.65	-.31	8.08	.66	7.62	.54	7.31	-.16	8.33	.20	8.71	-.77
24	6.92	-.44	8.08	.80	7.58	.35	7.66	-.48	8.52	-.28	9.21	-.77
25	7.14	.68	7.39	.44	7.63	.16	7.68	-.88	8.71	-1.07	9.29	---
26	7.16	.18	7.72	.98	8.55	-.04	7.89	-1.16	9.08	-1.40	9.47	-.75
27	7.02	.19	7.93	.53	9.21	1.03	8.54	-1.30	9.45	-1.49	9.40	-.46
28	7.43	.62	8.12	-.14	9.38	.40	9.09	-1.55	9.34	-1.72	9.31	-.70
29	7.94	-.03	8.50	-.02	9.36	-.76	9.21	-2.05	9.57	-1.29	8.86	-.88
30	7.77	-1.04	9.76	-.09	9.65	-1.17	9.26	-2.38	9.62	-.65	9.01	-.36
31	---	---	9.81	.44	---	---	9.24	-2.24	9.43	-.08	---	---
MONTH	9.02	-2.25	9.81	-1.60	9.72	-1.17	9.52	-2.38	9.62	-2.01	9.47	---

SAVANNAH RIVER BASIN

021989784 LITTLE BACK RIVER ABOVE LUCKNOW CANAL NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32°11'08", long 81°07'05", Jasper County, S.C., Hydrologic Unit 03060109, on a free-standing platform near the left bank, 300 ft upstream from the north control gate of Lucknow Canal, near the service road to the northern part of the Savannah National Wildlife Refuge, 1.3 mi. north of the Refuge Headquarters, and 3.4 mi. southwest of Limehouse, S.C.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

PERIOD OF DAILY RECORD.--May 1990 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 12,200 microsiemens Oct. 6, 1990; minimum recorded, 40 microsiemens on several days in January 1993, Oct. 14, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,120 μ S July 28; minimum recorded, 50 μ S on several days in Nov., Feb., Mar., and Apr..

SPECIFIC CONDUCTANCE, μ S/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	120	70	100	70	80	60	110	90	130	100	80	70
2	110	70	100	80	80	60	100	90	110	90	80	70
3	110	80	110	80	80	60	90	70	120	80	80	80
4	100	80	120	90	80	60	100	80	110	80	100	80
5	110	80	130	100	80	60	110	80	90	70	80	70
6	110	90	140	100	80	60	140	80	90	70	80	80
7	110	90	130	90	80	70	90	80	90	70	100	80
8	120	90	120	90	90	70	110	80	90	70	100	70
9	120	90	120	90	90	70	110	80	90	70	80	70
10	100	80	120	90	90	70	150	90	90	70	100	70
11	110	80	110	90	100	70	150	90	80	60	100	70
12	110	90	110	80	100	70	100	90	80	60	100	70
13	110	90	100	80	110	70	110	80	90	60	100	70
14	120	90	100	80	110	70	110	90	90	60	100	70
15	130	90	100	70	110	70	120	100	100	60	100	70
16	130	90	90	70	100	70	120	120	80	60	110	70
17	170	90	90	70	100	70	230	120	80	60	100	70
18	170	90	90	70	90	70	250	130	80	60	80	70
19	220	90	90	70	110	70	280	130	80	60	80	70
20	240	140	120	70	120	70	230	130	80	50	80	60
21	280	100	100	70	120	70	170	130	70	50	80	50
22	240	110	90	70	140	80	170	120	70	50	70	50
23	250	140	100	70	100	70	160	110	70	50	70	50
24	190	110	90	70	90	70	140	120	90	50	70	50
25	150	70	80	70	100	70	140	100	80	60	70	50
26	130	70	80	60	100	80	120	90	80	60	70	50
27	100	70	80	60	90	80	110	90	80	60	70	50
28	140	70	70	50	90	80	120	100	80	60	70	50
29	100	70	80	60	90	80	110	90	80	60	70	50
30	90	70	80	60	90	80	120	100	---	---	70	50
31	100	80	---	---	100	80	120	100	---	---	70	50
MONTH	280	70	140	50	140	60	280	70	130	50	110	50

[illegible]

SAVANNAH RIVER BASIN

02198979 LITTLE BACK RIVER NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32°11'05", long 81°07'02", Jasper County, S.C., Hydrologic Unit 03060109, at the end of the fishing pier at north control gate of Lucknow Canal on the service road to the northern part of the Savannah National Wildlife Refuge accessed from U.S. Highway 17, 1.25 mi north of Refuge Headquarters, and 3.4 mi southwest of Limehouse, S.C.

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft below sea level, at mean low water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.86 ft, Feb. 7, 1993; minimum gage height recorded, -1.79 ft, Apr. 7, 1989, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 9.83 ft, Dec. 22; minimum gage height recorded, -1.59 ft, Mar. 8.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.65	2.11	8.83	.72	8.68	.74	8.76	.67	8.68	.29	8.21	1.23
2	9.52	1.59	8.85	.72	8.52	.63	9.22	1.11	8.79	.84	8.82	1.60
3	9.43	1.47	8.84	.30	8.83	.44	8.54	.59	8.71	.47	8.44	.46
4	9.40	1.56	8.65	.02	8.77	.57	8.24	-.76	8.72	.55	8.62	.01
5	9.11	.70	9.29	.51	9.06	.39	8.73	.17	8.54	.30	8.58	.36
6	9.11	.13	9.35	.75	9.02	.81	8.83	.34	8.54	.10	8.39	-.25
7	9.06	.15	9.27	.60	8.87	.87	9.05	-.52	8.53	.26	8.32	-.57
8	9.27	.28	8.36	-.28	9.40	2.09	7.50	-1.14	8.50	-.07	7.41	-1.59
9	9.66	1.47	8.93	.47	8.85	1.59	7.90	-.55	7.92	-.57	8.23	-.42
10	9.75	2.19	8.89	.97	8.40	.94	8.04	-.66	8.24	.28	8.23	.69
11	9.51	2.20	8.87	1.11	8.10	.64	8.44	.92	8.05	.08	8.48	1.39
12	9.32	1.74	7.78	.52	8.30	.92	8.47	.15	7.69	-.23	8.66	.73
13	9.24	1.89	8.30	1.52	8.32	1.43	8.21	.62	7.93	.47	8.76	.50
14	8.82	1.81	8.25	1.69	8.32	1.36	8.26	.71	8.04	.19	8.62	-.06
15	8.59	1.67	7.83	1.10	8.10	1.06	8.17	.03	8.51	.37	8.55	-.03
16	8.54	2.15	8.11	1.24	8.03	1.14	8.46	.18	8.81	.35	8.88	-.34
17	8.87	2.32	8.28	.98	8.89	2.07	9.08	.00	8.93	-.05	9.05	-.09
18	8.68	2.37	8.44	.97	9.38	1.69	9.31	-.37	9.43	.35	9.53	.39
19	8.83	2.16	8.67	.69	9.57	.95	9.43	-.68	9.54	1.90	9.37	1.03
20	8.98	1.76	9.07	.20	8.77	-.35	9.17	-1.46	9.28	1.44	8.22	-.33
21	8.80	.82	9.22	.14	9.79	.19	9.48	-.16	9.12	.98	8.65	-.21
22	9.09	.68	9.44	-.28	9.83	.42	9.41	-.36	9.12	1.05	8.71	.42
23	9.32	.82	9.75	.52	9.75	.69	9.22	-.21	8.84	.81	8.67	1.11
24	9.42	.74	9.57	.65	9.44	.12	9.04	-.45	8.50	.51	8.52	1.09
25	9.40	.28	9.58	.60	8.93	-.23	8.41	-.57	8.04	.89	8.13	1.52
26	9.38	.17	9.42	.75	9.03	-.46	8.54	.37	7.83	.89	8.11	1.27
27	9.52	.65	9.20	1.02	8.73	-.06	8.30	-.74	7.57	1.15	7.66	1.27
28	9.01	.37	8.80	.91	8.68	.70	7.39	.76	7.87	1.02	8.42	1.55
29	9.09	.53	8.52	.63	8.44	1.03	8.04	1.10	7.78	1.07	7.96	1.71
30	9.26	1.49	8.68	1.27	8.56	.86	8.11	.72	---	---	8.07	1.71
31	9.10	1.28	---	---	8.66	.78	8.24	.60	---	---	8.63	2.10
MONTH	9.75	.13	9.75	-.28	9.83	-.46	9.48	-1.46	9.54	-.57	9.53	-1.59

SAVANNAH RIVER BASIN

02198979 LITTLE BACK RIVER NEAR LIMEHOUSE, S.C.--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.65	1.76	8.85	-.71	9.72	.57	9.46	-.99	9.23	-.49	9.46	1.14
2	8.73	.73	8.96	-.34	9.69	.18	9.54	-.61	9.22	-.56	9.22	.95
3	8.93	1.07	9.17	-.46	9.58	.07	9.34	-.40	9.02	-.49	8.93	.59
4	8.83	.76	9.25	-.51	9.54	.02	9.34	-.02	8.75	-.51	8.86	1.00
5	8.79	.24	9.13	-.61	9.55	.24	9.52	.54	8.66	-.28	8.39	1.63
6	9.04	.58	9.08	-.58	9.32	.39	9.04	.02	8.50	.14	8.18	.91
7	9.08	.74	9.07	.25	9.10	.22	8.81	-.20	8.74	.60	8.50	.98
8	9.14	.92	9.36	.31	8.81	-.04	8.55	-.44	8.78	1.20	8.60	.83
9	8.97	.48	9.01	.26	8.77	.10	8.49	-.53	8.62	.59	8.54	.83
10	8.57	.81	8.77	-.16	8.72	-.46	8.65	-.26	8.58	.23	8.61	.59
11	8.58	.35	8.64	-.28	8.87	-.51	9.52	.73	8.86	.45	8.74	.45
12	8.43	-.09	8.91	-.70	8.84	-.44	9.11	1.17	8.62	.85	8.91	.50
13	8.61	-.39	9.27	.25	8.66	-.42	8.61	-.09	8.94	.31	8.80	.52
14	8.83	-.47	9.28	.07	8.83	-.42	8.69	-.01	8.94	.66	8.94	.64
15	9.20	-.20	9.08	.23	8.72	-.13	8.42	-.30	8.88	.55	8.83	.74
16	8.76	-1.21	8.90	-.65	8.71	.02	8.54	-.45	---	.42	8.73	.69
17	9.22	-.48	8.83	-.67	8.63	.14	8.32	-.37	---	---	8.43	.12
18	9.09	-.25	8.70	-.61	8.76	.47	8.24	-.24	---	---	8.59	.30
19	9.02	-.15	8.71	-.26	8.62	.62	7.92	-.33	---	---	8.68	1.21
20	8.58	-.07	8.64	.07	8.00	.08	7.80	-.61	---	---	8.93	1.30
21	8.42	-.11	8.57	.40	7.96	.22	7.93	-.04	---	---	8.98	1.11
22	8.37	.02	8.44	.42	8.11	.65	8.08	.29	---	---	8.78	.11
23	8.20	.07	8.38	.84	8.07	.81	7.90	.14	---	---	9.02	.23
24	7.49	-.19	8.42	1.07	8.10	.62	8.15	-.23	---	---	9.41	.05
25	7.59	.85	7.97	.60	8.07	.46	8.17	-.47	---	---	9.47	.14
26	7.69	.38	8.22	1.13	8.85	.39	8.35	-.78	---	---	9.60	.41
27	7.73	.42	8.39	.92	9.44	1.35	8.84	-.83	---	---	9.55	.80
28	7.96	.86	8.52	.17	9.54	.83	9.28	-.90	9.54	-.36	9.49	.52
29	8.41	.36	8.85	.35	9.50	.00	9.38	-1.00	9.64	-.03	9.13	.13
30	8.21	-.74	9.75	.17	9.66	-.31	9.41	-1.18	9.68	.80	9.27	.40
31	---	---	9.81	1.27	---	---	9.37	-.98	9.68	1.37	---	---
MONTH	9.22	-1.21	9.81	-.71	9.72	-.51	9.54	-1.18	---	---	9.60	.05

SAVANNAH RIVER BASIN

021989791 LITTLE BACK RIVER AT U.S. FISH AND WILDLIFE DOCK NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32° 10' 14", long 81° 07' 06", Jasper County, S.C., Hydrologic Unit 03060109, on right dock headwall on the left bank at U.S. Fish and Wildlife Dock at the headquarters of the Savannah National Wildlife Refuge, 0.3 mi north of U.S. 17, and 4.1 mi southwest of Limehouse, S.C.

PERIOD OF DAILY RECORD.--October 1989 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance recorded at 15-minute intervals.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 13,700 microsiemens Oct. 2, 1990; minimum recorded, 40 microsiemens October 13, 1994; February 26, 27, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 3,500 microsiemens May 31; minimum, 50 microsiemens Nov. 26, 27, 28, 29, 30.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	130	80	100	70	70	60	120	80	270	100	90	80
2	150	80	110	80	70	60	240	90	290	100	90	80
3	140	90	110	80	70	60	150	90	250	90	100	80
4	130	90	110	90	70	60	130	80	170	90	110	80
5	120	90	150	90	70	60	160	90	110	80	110	80
6	120	90	200	90	80	60	210	90	120	80	110	80
7	120	100	130	90	80	60	220	100	110	80	110	80
8	140	100	130	90	80	60	130	80	100	80	100	80
9	180	90	120	90	90	70	100	80	90	80	110	90
10	180	90	130	90	90	70	150	80	90	70	110	90
11	170	90	150	90	100	60	200	80	80	70	100	80
12	150	90	100	80	100	60	230	90	80	70	90	80
13	180	90	120	80	80	60	120	80	90	70	100	80
14	180	100	90	70	110	60	130	80	100	70	100	70
15	120	100	90	70	80	70	160	90	100	60	100	70
16	190	100	110	70	80	70	320	90	90	60	110	70
17	270	100	140	70	90	70	450	110	90	70	100	70
18	350	100	150	70	160	70	640	140	80	60	90	70
19	420	110	160	70	250	70	530	140	80	60	80	70
20	530	120	170	70	120	80	270	120	80	60	80	60
21	420	120	110	70	130	80	300	130	80	60	80	60
22	460	120	110	70	150	80	310	130	80	60	70	60
23	390	160	100	60	100	80	210	130	80	70	70	60
24	280	120	80	60	110	80	170	120	90	70	70	60
25	210	90	80	60	100	80	150	110	90	70	70	60
26	150	80	70	50	100	80	140	100	90	70	80	60
27	120	80	70	50	110	80	130	100	90	70	70	60
28	100	70	70	50	100	80	120	100	90	70	70	60
29	90	70	70	50	100	80	200	100	90	70	70	60
30	100	70	70	50	110	80	180	100	---	---	70	60
31	100	70	---	---	110	80	200	100	---	---	70	60
MONTH	530	70	200	50	250	60	640	80	290	60	110	60

SAVANNAH RIVER BASIN

02198980 SAVANNAH RIVER AT FORT PULASKI, GA.

LOCATION.--Lat 32°02'02", long 80°54'12", Chatham County, Hydrologic Unit 03060109, at downstream side of Coast Guard pier at Coast Guard station on Cockspur Island, 1 mi upstream from the mouth, 0.7 mi west of Fort Pulaski.

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.02 ft below sea level, at low mean water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.18 ft Feb. 7, 1993; minimum gage height recorded, -3.77 ft, Mar. 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.01 ft, Dec. 22; minimum gage height recorded, -3.12 ft, Mar. 8.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.45	1.42	7.33	-.12	7.18	.03	7.33	.65	7.31	.06	6.81	.92
2	8.27	.86	7.33	-.54	7.28	-.14	8.07	.27	7.47	.56	7.56	.09
3	8.20	.86	7.31	-.70	7.77	.00	7.15	-1.26	7.46	.05	6.96	-.19
4	8.09	.64	7.20	-.59	7.73	-.11	6.54	-1.37	7.40	-.08	7.20	-.83
5	7.65	-.80	8.05	-.09	8.10	-.21	7.26	-.25	7.20	-.15	7.12	-.54
6	7.75	-.80	8.11	.04	8.05	.26	7.50	-.29	7.12	-.53	6.79	-1.45
7	7.74	-.70	7.96	-.11	7.89	.28	7.75	-1.59	7.07	-.40	6.56	-1.55
8	8.02	-.65	6.83	-.92	8.63	1.64	5.45	-1.41	6.96	-.91	5.73	-3.12
9	8.63	.73	7.56	.11	7.75	.64	6.20	---	6.13	-1.34	6.76	-1.00
10	8.74	1.23	7.48	.48	7.06	.30	6.30	-.96	6.58	-.31	7.26	.31
11	8.40	1.29	7.37	.64	6.66	.02	7.04	.66	6.50	-.60	7.31	1.10
12	8.18	1.40	6.46	.03	6.80	.32	6.94	-.07	6.03	-1.15	7.49	.31
13	7.95	1.62	6.83	1.12	6.94	1.04	6.69	.37	6.22	-.45	7.50	.09
14	7.42	1.54	6.92	1.32	6.78	.88	6.62	.34	6.29	-1.11	7.28	-.67
15	7.24	1.29	6.14	.56	6.40	.51	6.65	-.37	6.98	-1.20	7.09	-1.07
16	7.11	1.81	6.40	.67	6.41	.59	6.94	-.30	7.50	-2.28	7.54	-1.28
17	7.51	2.05	6.56	.60	7.63	1.50	7.90	-.88	7.70	-2.28	7.81	-1.32
18	7.30	2.14	6.86	.32	8.19	.17	8.27	-1.01	8.41	-2.56	8.49	-1.55
19	7.44	1.89	7.23	-.56	8.38	-1.43	8.49	-2.57	8.58	-1.59	8.40	-2.99
20	7.66	.52	7.78	-.74	7.34	-1.43	8.14	-2.44	7.96	-1.77	6.34	-3.05
21	7.39	.26	8.02	-1.03	8.85	-.97	8.61	-1.37	7.85	-1.77	7.08	-2.77
22	7.74	-.09	8.36	-1.82	9.01	-1.18	8.52	-1.74	7.41	-1.27	7.23	-1.65
23	8.12	.06	8.77	-.97	8.88	-1.19	8.16	-1.27	7.05	-.91	7.06	-.66
24	8.25	-.65	8.48	-1.24	8.43	-1.54	7.74	-1.53	6.87	-.65	6.77	-.25
25	8.22	-.88	8.63	-.95	7.68	-1.64	7.12	-1.00	6.53	.06	6.77	.28
26	8.19	-.99	8.26	-.89	7.75	-1.35	7.16	.00	6.27	.17	6.52	.19
27	8.32	-.28	7.90	-.75	7.30	-.82	6.80	-1.03	5.92	.51	5.86	.38
28	7.59	-.60	7.29	-.61	7.21	.16	5.64	.54	6.14	.43	6.97	.64
29	7.73	-.11	6.82	-.64	6.86	.61	6.50	.77	6.05	.55	6.39	.79
30	7.94	1.00	7.14	.38	7.08	.52	6.43	.30	---	---	6.66	1.36
31	7.70	.49	---	---	7.19	.33	6.63	.05	---	---	7.35	.84
MONTH	8.74	-.99	8.77	-1.82	9.01	-1.64	8.61	---	8.58	-2.56	8.49	-3.12

SAVANNAH RIVER BASIN

02198980 SAVANNAH RIVER AT FORT PULASKI, GA.--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.34	-.81	7.62	-1.11	8.88	-.23	8.49	-1.87	8.09	-1.98	8.34	.12
2	7.49	-1.13	7.77	-.82	8.84	-.70	8.68	-1.62	7.76	-1.79	7.94	.27
3	7.57	-.93	8.09	-1.11	8.65	-.94	8.37	-1.50	7.32	-1.65	7.60	.17
4	7.43	-1.26	8.17	-1.29	8.60	-1.08	8.60	-1.39	7.29	-1.20	7.46	.81
5	7.41	-1.81	8.00	-1.48	8.23	-.70	8.04	-.70	7.11	-.71	7.15	1.51
6	7.86	-1.36	7.93	-1.45	8.03	-.78	7.73	-1.10	6.98	-.24	6.47	.67
7	7.92	-.43	8.26	-1.30	7.94	-.59	7.38	-.84	7.26	.40	6.88	.69
8	7.71	-.26	8.13	-.37	7.44	-.71	7.02	-.77	7.36	.53	7.17	.55
9	7.63	-.26	7.75	-.70	7.33	-.50	6.86	-.88	7.17	.33	7.08	.54
10	7.31	.25	7.42	-.95	7.24	-.86	7.17	-.51	7.05	.02	7.07	.29
11	7.18	-.44	7.13	-1.07	7.41	-.80	8.70	1.20	7.43	.10	7.23	.11
12	6.88	-.80	7.64	-1.30	7.49	-.81	7.96	.60	7.15	.25	7.54	.16
13	6.96	-1.11	8.18	-.28	7.23	-.72	7.17	-.38	7.56	-.08	7.42	.18
14	7.44	-1.36	8.13	-.49	7.44	-.72	7.28	-.34	7.65	.22	7.59	.21
15	8.02	-1.58	7.91	-.29	7.25	-.55	6.89	-.65	7.57	.30	7.42	.17
16	7.39	-2.01	7.67	-1.13	7.30	-.43	7.05	-.81	7.40	.06	7.26	.24
17	8.11	-1.79	7.52	-1.14	7.22	-.24	6.68	-.67	7.24	.19	6.59	-.12
18	7.86	-1.28	7.35	-.99	7.45	.13	6.62	-.50	7.04	.22	7.21	.01
19	7.73	-1.11	7.41	-.79	6.60	.18	6.10	-.63	7.01	.29	7.40	1.03
20	7.18	-.80	7.27	-.31	6.29	-.23	6.10	-.90	7.17	.66	7.61	1.09
21	6.87	-.59	7.02	.08	6.57	-.02	6.38	-.25	7.30	.34	7.66	.86
22	6.55	-.42	6.88	.16	6.53	.49	6.35	.11	7.35	.60	7.51	-.17
23	6.26	-.18	7.00	.69	6.46	.58	6.25	-.09	7.31	.21	7.79	-.53
24	5.86	-.47	7.00	.86	6.46	.39	6.62	-.42	7.46	-.22	8.34	-.45
25	6.05	.65	6.25	.53	6.58	.05	6.65	-.74	7.73	-.97	8.42	-.67
26	6.09	.06	6.70	.96	7.57	.07	6.83	-1.09	8.16	-1.25	8.64	-.75
27	5.81	.30	6.86	.67	8.27	.84	7.61	-1.15	8.59	-1.39	8.59	-.48
28	6.34	.57	7.19	.01	8.46	.36	8.21	-1.42	8.48	-1.69	8.44	-.77
29	6.85	.03	7.64	.02	8.47	-.64	8.37	-1.90	8.72	-1.29	7.93	-.81
30	6.76	-1.12	9.00	.00	8.76	-1.05	8.44	-2.42	8.79	-.64	8.08	-.25
31	---	---	8.98	.52	---	---	8.31	-2.30	8.54	-.06	---	---
MONTH	8.11	-2.01	9.00	-1.48	8.88	-1.08	8.70	-2.42	8.79	-1.98	8.64	-.81

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN

02178500 LAKE BURTON NEAR CLAYTON, GA.

LOCATION.--Lat 34°47'37", long 83°32'26", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 5.5 mi downstream from bridge on U.S. Highway 76, 10 mi southwest of Clayton, Ga.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Nonrecording gage. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Lake is formed by concrete gravity dam. Spillway (crest elevation, 1,860.0 ft) is equipped with eight gates 22 ft wide by 6.6 ft high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft, top of gates, is 108,000 acre-ft, of which 106,000 acre-ft is usable storage. Lake is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1865.2	104000	-	-
Oct. 31.....	1864.8	103000	-1000	-16
Nov. 30.....	1861.6	94200	-9800	-165
Dec. 31.....	1853.0	73400	-20800	-338
CAL YR 1995	-	-	-10200	-14
Jan. 31.....	1857.1	82800	+9400	+153
Feb. 29.....	1860.0	90000	+7200	+125
Mar. 31.....	1864.9	103000	+13000	+211
Apr. 30.....	1865.1	104000	+1000	+17
May 31.....	1865.0	103000	-1000	-16
June 30.....	1865.4	105000	+2000	+34
July 31.....	1865.4	105000	0	0
Aug. 31.....	1865.1	104000	-1000	-16
Sept. 30.....	1865.4	105000	+1000	+17
WTR YR 1996	-	-	+1000	+1

* Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02179500 MATHIS RESERVOIR NEAR LAKEMONT, GA.

LOCATION.--Lat 34°47'03", long 83°24'57", Rabun County, Hydrologic Unit 03060102, on Tallulah River, 1 mi upstream from bridge on U.S. Highway 23, 1.8 mi south of Lakemont, Ga.

DRAINAGE AREA.--151 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Nonrecording gage. Datum of gage is at sea level (levels by Georgia Power Company.)

REMARKS.--Reservoir is formed by concrete slab and buttress dam. Spillway (crest elevation, 1,682.75 ft) is equipped with 16 gates 15.8 ft wide by 6.85 ft high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft, top of gates, is 31,200 acre-ft, of which 23,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1687.8	29800	-	-
Oct. 31.....	1687.8	29800	0	0
Nov. 30.....	1678.3	23200	-6600	-111
Dec. 31.....	1687.9	29800	+6600	+107
CAL YR 1995	-	-	+200	0
Jan. 31.....	1688.6	30400	+600	+10
Feb. 29.....	1679.0	23700	-6700	-116
Mar. 31.....	1687.5	29500	+5800	+94
Apr. 30.....	1687.6	29600	+100	+2
May 31.....	1687.8	29800	+200	+3
June 30.....	1687.8	29800	0	0
July 31.....	1687.4	29500	-300	-5
Aug. 31.....	1687.8	29800	+300	+5
Sept. 30.....	1687.7	29700	-100	-2
WTR YR 1996	-	-	-100	0

*Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02187250 HARTWELL LAKE NEAR HARTWELL, GA.

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County, Ga.-Anderson County, S.C., Hydrologic Unit 03060103, in right spillway elevator tower of dam on Savannah River, 1.9 mi upstream from Big Generostee Creek, 6.4 mi east of Hartwell, Ga., and at mile 305.0.

DRAINAGE AREA.--2,088 mi².

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Data collection platform. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; storage began in February 1961, dam complete 1961.

Usable capacity, 1,708,600 acre-ft between elevations 625.0 ft, normal limit of drawdown, and 665.0 ft, top of gates. Dead storage below 625.0 ft, 1,134,100 acre-ft. Elevation of spillway crest, 630.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,871,000 acre-ft, Apr. 8, 1964, elevation, 665.47 ft; minimum, after first filling, 1,182,000 acre-ft, Oct. 16, 1961, elevation, 626.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,786,800 acre-ft, Mar. 17, 18, elevation, 664.08 ft; minimum, 2,387,900 acre-ft, Jan. 5, elevation 657.03 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	659.18	2504200	-	-
Oct. 31.....	659.91	2544600	+40400	+657
Nov. 30.....	658.74	2480000	-64600	-1086
Dec. 31.....	657.45	2410300	-69700	-1134
CAL YR 1995	-	-	-26200	-36
Jan. 31.....	662.01	2664200	+253900	+4129
Feb. 29.....	660.38	2571100	-93100	-1619
Mar. 31.....	662.05	2666500	+95400	+1552
Apr. 30.....	661.02	2607200	-59300	-997
May 31.....	660.91	2601000	-6200	-101
June 30.....	660.90	2600400	-600	-10
July 31.....	659.87	2542400	-58000	-943
Aug. 31.....	659.24	2507500	-34900	-568
Sept. 30.....	658.72	2478900	-28600	-481
WTR YR 1996	-	-	-25300	-35

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02189004 RICHARD B. RUSSELL RESERVOIR NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°01'30", long 82°35'42", Elbert County, Ga.-Abbeville County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.2 mi downstream from Beer ManorCreek, 4.6 mi south of Calhoun Falls, S.C., at river mile 275.1.

DRAINAGE AREA.--2,900 mi² (furnished by U.S. Army Corps of Engineers).

PERIOD OF RECORD.--May 1984 to current year.

GAGE.--Data collection platform. Datum of gage is at sea level.

REMARKS.--Lake is formed by concrete dam; storage began on October 5, 1983, dam completed in December 1983. Useable capacity, 126,800 acre-ft between elevations 470.0 ft, normal limit of drawdown, and 475.0 ft, top of spillway gates. Dead storage below 470.0 ft, 899,400 acre-ft. Elevation of spillway crest, 436.0 ft. Water is used for flood control, generation of power, and recreation.

Capacity information furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,149,500 acre-ft, Aug. 22, 1994, elevation, 479.43 ft; minimum, 799,000 acre-ft, May 7, 1984, elevation, 465.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,126,200 acre-ft, Mar. 7, elevation, 478.62 ft; minimum, 878,300 acre-ft, Aug. 16, elevation, 469.12 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	473.11	976800	-	-
Oct. 31.....	475.68	1044500	+67700	+1101
Nov. 30.....	477.64	1098400	+53900	+906
Dec. 31.....	474.08	1001900	-96500	-1569
CAL YR 1995	-	-	-36700	-51
Jan. 31.....	476.90	1077800	+75900	+1234
Feb. 29.....	476.48	1066300	-11500	-200
Mar. 31.....	475.86	1049400	-16900	-275
Apr. 30.....	475.10	1028900	-20500	-345
May 31.....	475.11	1029200	+300	+5
June 30.....	473.50	986800	-42400	-713
July 31.....	472.37	957900	-28900	-470
Aug. 31.....	473.76	993600	+35700	+581
Sept. 30.....	474.27	1006900	+13300	+224
WTR YR 1996	-	-	+30100	+41

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02194500 THURMOND LAKE NEAR CLARKS HILL, S.C.

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County, Ga.-McCormick County, S.C., Hydrologic Unit 03060103, in left spillway elevator tower of dam on Savannah River, 1.6 mi west of Clarks Hill, S.C., 3.7 mi upstream from Kiokee Creek, and at mile 237.7.

DRAINAGE AREA.--6,150 mi², approximately.

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1987, published as "Clarks Hill Lake".

REVISED RECORDS.--WSP 1703: 1953.

GAGE.--Data collection platform. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

REMARKS.--Lake is formed by concrete dam with earth at each end; storage began in December 1951, dam completed in 1952. Use capacity, 1,730,000 acre-ft between elevations 305.0 ft, normal limit of drawdown, and 335.0 ft, top of spillway gates. Dead storage below 305.0 ft, 1,170,000 acre-ft. Elevation of spillway crest, 300.0 ft. Water is used for flood control, generation of power, and navigation. Capacity table furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,037,600 acre-ft, Apr. 9, 1964, elevation, 336.72 ft; minimum, 897,900 acre-ft, Feb. 1, 1956, elevation, 296.48 ft.

EXTREMES FOR CURRENT YEAR.--Maximum recorded contents, 2,726,800 acre-ft, Mar. 10, elevation, 332.78 ft; minimum, 2,171,200 acre-ft, Sept. 23, elevation, 325.16 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	329.03	2442100	-	-
Oct. 31.....	329.73	2491100	+49000	+797
Nov. 30.....	327.73	2351100	-140000	-2353
Dec. 31.....	327.76	2353200	+2100	+34
CAL YR 1995	-	-	+127400	+176
Jan. 31.....	329.98	2508600	+155400	+2527
Feb. 29.....	328.43	2400100	-108500	-1886
Mar. 31.....	328.13	2379100	-21000	-342
Apr. 30.....	330.72	2566100	+187000	+3143
May 31.....	331.35	2615300	+49200	+800
June 30.....	329.64	2484800	-130500	-2193
July 31.....	328.35	2394500	-90300	-1469
Aug. 31.....	327.28	2319600	-74900	-1218
Sept. 30.....	326.11	2237700	-81900	-1376
WTR YR 1996	-	-	-204400	-282

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

LOCATION.--Lat 32°58'32", long 82°36'36", Washington County, Hydrologic Unit 03060201, at bridge on State Highway 231 at Davisboro, 1.2 mi downstream from Central of Georgia Railroad bridge, and 1.9 mi downstream from Sun Hill Creek.

DRAINAGE AREA.--109 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to December 1903, water years 1979-80 (annual maximum), May 1980 to current year. Monthly discharges only for July to December 1903, published in WSP 1304.

GAGE.--Water-stage recorder. Elevation of gage is 263 ft above sea level (from information obtained from Georgia Department of Transportation). August 16, 1978 to May 8, 1980, crest-stage gage at same site and datum.

REMARKS.--Records good. Periods of monthly discharges only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 18	1800	*659	*7.42	No other peak greater than base discharge.			

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	68	84	82	143	411	215	291	394	67	28	38	83
2	67	87	81	173	275	144	272	209	57	27	176	69
3	64	85	74	151	360	120	190	136	53	33	99	147
4	76	88	75	135	364	106	158	111	52	32	58	140
5	104	76	76	113	234	100	145	96	53	66	53	116
6	124	68	80	103	186	157	142	86	49	205	104	93
7	91	134	166	148	170	414	151	81	47	101	99	70
8	77	344	193	208	158	545	138	88	51	68	67	50
9	68	245	149	145	151	348	129	82	80	73	55	42
10	63	124	156	122	143	204	117	69	69	52	76	38
11	61	128	115	112	136	162	108	67	58	42	102	38
12	61	237	95	123	127	146	104	64	50	37	316	39
13	69	186	88	125	117	135	102	58	44	34	243	37
14	78	128	86	110	114	128	104	56	43	33	135	34
15	120	110	84	103	114	126	103	56	48	40	84	33
16	102	96	85	100	114	145	100	56	56	64	64	33
17	76	90	83	98	107	285	92	55	63	55	52	42
18	68	87	80	100	103	593	88	52	50	67	45	50
19	64	86	292	163	103	443	86	50	45	54	44	42
20	62	84	476	181	135	270	92	50	42	39	40	35
21	58	84	242	124	151	198	100	46	40	58	36	34
22	55	81	157	108	125	170	95	44	39	58	34	93
23	55	80	133	102	116	146	88	42	37	46	33	98
24	57	80	120	119	112	135	84	41	33	36	37	78
25	58	88	111	167	105	133	80	114	31	32	47	60
26	57	87	109	134	99	160	77	205	30	40	45	48
27	63	83	107	294	99	164	85	98	40	38	45	41
28	214	85	104	512	139	315	77	145	37	36	45	38
29	200	86	99	294	306	359	108	211	31	36	45	42
30	108	83	97	190	---	235	352	112	30	33	52	97
31	87	---	105	237	---	224	---	80	---	29	55	---
TOTAL	2575	3404	4000	4937	4874	7025	3858	3054	1425	1592	2424	1860
MEAN	83.1	113	129	159	168	227	129	98.5	47.5	51.4	78.2	62.0
MAX	214	344	476	512	411	593	352	394	80	205	316	147
MIN	55	68	74	98	99	100	77	41	30	27	33	33
CFSM	.76	1.04	1.18	1.46	1.54	2.08	1.18	.90	.44	.47	.72	.57
IN.	.88	1.16	1.37	1.68	1.66	2.40	1.32	1.04	.49	.54	.83	.63

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	68.8	87.4	108	170	182	193	129	67.9	53.8	53.7	63.7	49.7
MAX	195	229	182	386	387	355	285	154	109	187	215	159
(WY)	1995	1993	1984	1987	1995	1993	1983	1991	1995	1994	1992	1992
MIN	22.8	34.9	43.3	54.7	68.4	67.8	50.0	29.5	20.3	15.4	23.1	16.8
(WY)	1988	1982	1989	1981	1988	1985	1985	1988	1988	1986	1988	1981

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1980 - 1996

ANNUAL TOTAL	50443	41028	
ANNUAL MEAN	138	112	102
HIGHEST ANNUAL MEAN			163
LOWEST ANNUAL MEAN			49.3
HIGHEST DAILY MEAN	2400	Feb 19	2400
LOWEST DAILY MEAN	26	Aug 15	10
ANNUAL SEVEN-DAY MINIMUM	27	Aug 13	12
INSTANTANEOUS PEAK FLOW			3440
INSTANTANEOUS PEAK STAGE			11.14
INSTANTANEOUS LOW FLOW			9.5
ANNUAL RUNOFF (CFSM)	1.27	1.03	.94
ANNUAL RUNOFF (INCHES)	17.22	14.00	12.76
10 PERCENT EXCEEDS	264	210	211
50 PERCENT EXCEEDS	85	88	61
90 PERCENT EXCEEDS	38	39	24

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, GA.

LOCATION.--Lat 32°29'45", long 81°33'11", Screven-Bulloch County line, Hydrologic Unit 03060202, at bridge on State Highway 24, 0.3 mi upstream from Ogeechee Creek, and 2.0 mi southwest of Oliver.

DRAINAGE AREA.--2,230 mi², approximately.

PERIOD OF RECORD.--August 1974 to February 1994, December 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0945	870	94	86	7.0	7.1	22.5	25.5	6.2	71
NOV 01...	1120	720	95	89	7.3	7.0	17.0	22.0	7.9	81
DEC 05...	1200	1200	84	78	6.8	7.1	12.0	21.0	9.1	84
JAN 24...	0815	1950	73	67	7.3	6.9	8.0	15.5	10.4	88
FEB 29...	0820	2150	73	70	6.9	6.9	16.0	12.5	9.0	91
MAR 28...	0815	4900	55	53	6.8	6.6	15.0	12.0	7.9	79
APR 18...	0700	2300	75	70	7.0	6.6	17.5	10.5	7.4	77
MAY 16...	0830	1300	81	76	7.0	6.6	20.0	22.0	6.4	70
JUN 20...	0700	680	86	84	7.2	6.9	26.5	24.0	5.8	72
JUL 10...	1030	610	99	97	7.1	6.9	27.5	30.0	6.2	78
AUG 22...	1050	1200	78	--	6.6	--	25.0	29.0	6.1	74
SEP 19...	1055	430	106	106	7.3	7.3	23.5	23.0	6.7	79

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	60	6.0	1.2	170	31	6	0.100	<0.030	0.050	7.0
NOV 01...	70	7.0	<1.0	40	29	6	0.170	<0.030	0.060	6.0
DEC 05...	55	5.0	1.1	75	25	3	0.040	<0.030	0.030	6.0
JAN 24...	35	4.0	<1.0	80	20	2	0.040	0.040	0.030	6.0
FEB 29...	50	5.0	<1.0	130	21	3	0.030	<0.030	0.050	7.0
MAR 28...	80	9.0	1.3	80	15	2	<0.020	0.070	0.050	9.0
APR 18...	90	9.0	<1.0	--	21	3	0.080	<0.030	0.030	8.0
MAY 16...	50	16	<1.0	80	26	6	0.220	0.050	0.100	8.0
JUN 20...	20	8.0	<1.0	50	29	5	0.300	<0.030	0.060	5.0
JUL 10...	25	9.0	<1.0	700	27	6	0.390	<0.030	0.060	5.0
AUG 22...	--	--	--	--	--	4	0.090	0.040	0.050	10
SEP 19...	30	6.0	<1.0	50	39	3	0.200	<0.030	0.040	6.0

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 ft downstream from bridge on U.S. Highway 80, 2 mi west of Eden, 2 mi upstream from Seaboard Coast Line Railroad bridge, and 3 mi upstream from Black Creek.

DRAINAGE AREA.--2,650 mi², approximately.

PERIOD OF RECORD.--April 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.64 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft upstream at same datum.

REMARKS.-- Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1840, 20 ft in October 1929, from data furnished by Central of Georgia Railway Co. Flood of January 1925, reached a stage of 19.5 ft, from information as explained above. Flood of April 1936, reached a stage of 15.2 ft, from information as explained above, discharge, 30,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 16	0600	6,150	9.61	Mar. 20	0200	*9,290	*10.63

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	1780	655	1690	2820	2250	2130	5410	1810	519	404	512	498
2	1710	657	1540	2770	2440	2130	5410	1920	553	381	520	492
3	1630	675	1420	2670	2720	2100	5470	2060	614	362	512	499
4	1630	688	1320	2580	2970	2090	5420	2120	690	350	517	529
5	1680	724	1240	2500	3270	2100	5350	2100	767	365	544	627
6	1750	790	1200	2360	3580	2170	5250	2040	829	419	542	594
7	1740	891	1190	2260	3900	2280	5010	1980	877	413	536	575
8	1610	1040	1180	2190	4170	2410	4660	1990	908	428	545	569
9	1400	1170	1180	2180	4500	2570	4410	2030	921	448	601	578
10	1140	1330	1210	2210	5040	2750	4250	2090	942	471	669	590
11	950	1510	1240	2230	5600	2900	4090	2170	961	504	748	613
12	858	1650	1320	2250	5630	3030	3870	2270	958	562	762	653
13	832	1770	1410	2240	5250	3160	3570	2340	911	638	743	641
14	839	1860	1500	2220	5050	3280	3320	2350	815	719	787	635
15	915	1910	1600	2200	5640	3460	3100	2230	731	775	886	591
16	879	1930	1730	2190	6090	3780	2900	2000	718	824	946	552
17	852	1960	1870	2170	5650	4270	2710	1690	761	773	966	540
18	834	2000	1980	2150	4790	6070	2520	1400	790	685	943	543
19	821	2020	2040	2130	4040	8720	2350	1140	772	581	927	542
20	799	2020	2030	2110	3470	9070	2240	984	732	527	953	502
21	772	2000	1990	2090	3090	8420	2170	904	681	535	1000	444
22	748	2000	1960	2100	2820	8270	2110	852	623	570	1050	416
23	724	2000	1970	2100	2610	8470	2030	811	577	604	1070	432
24	706	2010	2030	2080	2440	8050	1940	758	560	592	1070	455
25	695	2020	2090	2040	2310	7300	1840	711	546	562	996	459
26	695	2000	2160	1970	2230	6720	1750	667	526	550	862	456
27	699	1990	2280	1930	2170	6220	1660	606	502	540	677	463
28	734	1960	2450	1930	2150	5990	1580	554	471	531	573	491
29	714	1920	2630	1970	2140	5740	1540	510	447	537	602	524
30	684	1830	2780	2030	---	5550	1660	490	425	539	544	553
31	665	---	2860	2120	---	5470	---	502	---	533	510	---
TOTAL	32485	46980	55090	68790	108010	146670	99590	46079	21127	16722	23113	16056
MEAN	1048	1566	1777	2219	3724	4731	3320	1486	704	539	746	535
MAX	1780	2020	2860	2820	6090	9070	5470	2350	961	824	1070	653
MIN	665	655	1180	1930	2140	2090	1540	490	425	350	510	416
CFSM	.40	.59	.67	.84	1.41	1.79	1.25	.56	.27	.20	.28	.20
IN.	.46	.66	.77	.97	1.52	2.06	1.40	.65	.30	.23	.32	.23

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	1085921		680712			
ANNUAL MEAN	2975		1860		2356	
HIGHEST ANNUAL MEAN					5370	1948
LOWEST ANNUAL MEAN					874	1985
HIGHEST DAILY MEAN	22900	Feb 26	9070	Mar 20	28600	Mar 19 1980
LOWEST DAILY MEAN	414	May 26	350	Jul 4	96	Oct 6 1990
ANNUAL SEVEN-DAY MINIMUM	420	May 25	385	Jul 1	106	Oct 2 1990
INSTANTANEOUS PEAK FLOW			9290	Mar 20	28800	Mar 19 1980
INSTANTANEOUS PEAK STAGE			10.63	Mar 20	14.77	Mar 19 1980
INSTANTANEOUS LOW FLOW			332	Jul 5	96	Oct 6 1990
ANNUAL RUNOFF (CFSM)	1.12		.70		.89	
ANNUAL RUNOFF (INCHES)	15.24		9.56		12.08	
10 PERCENT EXCEEDS	7300		4110		5670	
50 PERCENT EXCEEDS	1630		1540		1350	
90 PERCENT EXCEEDS	648		523		400	

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.

LOCATION.--Lat 32°10'04", long 81°29'18", Bryan County, Hydrologic Unit 03060202, at bridge on U.S. Highway 280 (State Highway 30), 4.2 mi upstream from Mill Creek, 5.8 mi southwest of Blitchton, and 8.7 mi upstream from mouth.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1951, 1954, 1959, 1961-62, 1964-68, 1973. February 1980 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 30 ft above sea level (from topographic map).

REMARKS.--Records good, except those less than 2 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 1	1200	*399	*7.30

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	162	42	28	46	93	46	395	193	.55	.32	3.5	4.4
2	135	39	28	76	92	45	358	228	.51	.31	3.5	9.2
3	105	52	43	101	110	46	276	175	.52	.37	7.3	13
4	84	79	38	134	140	43	234	111	.44	.33	15	32
5	74	75	33	136	171	36	202	74	.45	2.1	17	85
6	60	61	31	116	167	47	170	49	.42	4.0	17	123
7	46	55	29	110	151	104	157	33	.41	2.8	36	106
8	37	85	29	120	135	164	151	73	.49	4.3	54	57
9	29	106	30	128	117	212	142	85	.62	2.1	38	30
10	27	129	46	142	104	229	128	44	.61	3.1	28	18
11	25	132	57	137	92	208	111	19	.49	2.9	24	14
12	23	110	68	121	83	175	95	9.9	.39	1.1	36	22
13	25	92	78	108	78	150	82	6.3	.51	.73	39	19
14	28	88	78	97	71	121	69	4.2	1.1	1.6	29	11
15	46	85	72	91	63	100	58	3.1	2.2	9.1	21	7.8
16	57	79	65	92	77	86	51	2.5	2.6	23	14	5.6
17	73	71	60	97	74	77	45	1.9	2.8	20	8.9	4.4
18	70	62	55	90	64	95	40	1.5	2.2	14	7.1	3.7
19	54	54	56	94	63	154	31	1.4	1.7	7.2	4.4	3.2
20	41	48	59	116	62	220	24	2.4	1.5	4.2	3.2	2.7
21	32	44	57	116	63	281	24	2.7	1.3	2.4	2.0	2.6
22	23	39	57	102	64	281	28	1.7	1.0	3.4	1.4	2.1
23	17	31	56	91	65	246	32	1.6	.98	3.5	.96	1.0
24	13	26	50	90	64	188	25	1.3	1.0	2.4	.67	2.2
25	11	25	43	88	59	130	16	1.4	.99	2.2	.70	.75
26	9.3	24	38	85	52	99	9.6	.90	.50	2.3	.91	.64
27	11	24	35	84	48	87	6.7	.84	.43	2.1	.97	.62
28	27	25	31	87	45	114	5.0	.89	.39	2.0	2.6	.57
29	49	27	28	85	46	174	3.8	.95	.35	3.5	2.3	.54
30	53	30	27	89	---	249	87	.75	.32	2.6	3.1	.79
31	48	---	37	94	---	342	---	.95	---	2.6	3.9	---
TOTAL	1494.3	1839	1442	3163	2513	4549	3056.1	1131.18	27.77	132.56	425.41	582.81
MEAN	48.2	61.3	46.5	102	86.7	147	102	36.5	.93	4.28	13.7	19.4
MAX	162	132	78	142	171	342	395	228	2.8	23	54	123
MIN	9.3	24	27	46	45	36	3.8	.75	.32	.31	.67	.54
CFSM	.21	.26	.20	.44	.37	.63	.44	.16	.00	.02	.06	.08
IN.	.24	.29	.23	.51	.40	.73	.49	.18	.00	.02	.07	.09

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	153	114	178	384	420	348	215	106	130	92.0	180	106
MAX	1682	754	762	1203	979	794	622	867	696	299	1105	486
(WY)	1995	1986	1995	1987	1983	1984	1993	1991	1991	1989	1991	1989
MIN	.80	1.90	2.14	2.96	11.8	28.8	6.78	1.08	.92	.36	.69	.61
(WY)	1994	1981	1981	1981	1981	1985	1985	1985	1990	1990	1980	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	96519.67		20356.13		201	
ANNUAL MEAN	264		55.6		480	
HIGHEST ANNUAL MEAN					13.3	
LOWEST ANNUAL MEAN					1995	
HIGHEST DAILY MEAN	6300	Jun 7	395	Apr 1	10400	Oct 14 1994
LOWEST DAILY MEAN	.97	May 13	.31	Jul 2	.23	Jul 9 1990
ANNUAL SEVEN-DAY MINIMUM	1.6	May 8	.34	Jun 28	.27	Jul 7 1990
INSTANTANEOUS PEAK FLOW			399	Apr 1	11100	Oct 14 1994
INSTANTANEOUS PEAK STAGE			7.30	Apr 1	15.28	Oct 14 1994
INSTANTANEOUS LOW FLOW			.25	a	b.00	Aug 19 1954
ANNUAL RUNOFF (CFSM)	1.14		.24		.87	
ANNUAL RUNOFF (INCHES)	15.48		3.26		11.76	
10 PERCENT EXCEEDS	668		135		560	
50 PERCENT EXCEEDS	70		37		43	
90 PERCENT EXCEEDS	2.9		.94		1.3	

a Part of each day June 30, July 1,2, and 4.

b Observed.

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, Hydrologic Unit 03060203, on right bank 400 ft upstream from bridge on State Highway 73, 2 mi northeast of Claxton, and 10 mi upstream from Lotts Creek.

DRAINAGE AREA.--555 mi², approximately.

PERIOD OF RECORD.--May 1937 to current year.

REVISED RECORDS.--WSP 1112: 1939-41, 1944.

GAGE.--Water-stage recorder. Datum of gage is 80.5 ft above sea level (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 24	0400	*1,610	*9.36

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	608	49	126	226	556	288	1040	221	5.1	5.3	3.8	5.5
2	442	74	123	269	628	291	1070	238	5.0	6.1	3.0	5.1
3	301	105	123	297	660	271	1160	307	4.9	5.0	3.3	7.2
4	228	110	125	301	665	251	1180	326	4.6	4.8	3.0	7.2
5	188	107	124	314	680	269	1090	310	4.3	8.0	8.5	5.1
6	160	105	129	323	692	328	948	283	4.4	11	6.9	4.3
7	140	153	150	377	660	448	811	252	4.2	5.5	15	3.9
8	146	249	162	461	674	576	698	207	8.3	4.6	9.2	3.6
9	178	277	169	439	658	672	619	154	8.9	4.4	5.5	9.7
10	209	300	203	387	590	772	556	110	6.2	4.4	5.1	24
11	151	409	232	391	526	837	495	80	5.1	4.3	5.6	22
12	115	498	298	397	471	906	457	59	4.3	4.2	6.2	20
13	97	533	407	390	405	996	429	45	4.3	3.7	5.0	16
14	92	542	483	366	334	1030	380	35	4.7	3.4	4.5	13
15	87	560	443	346	306	873	331	28	5.5	3.2	3.8	13
16	83	529	406	326	352	628	282	23	5.7	3.3	3.7	11
17	79	440	410	300	376	518	234	20	6.6	2.8	35	9.3
18	77	348	434	276	338	600	214	18	4.6	2.8	59	7.7
19	79	274	387	248	280	890	215	16	4.4	2.7	61	6.7
20	84	226	306	239	260	1100	203	14	4.2	2.5	62	5.9
21	79	208	250	232	273	1360	189	13	4.4	2.4	54	5.3
22	72	191	242	227	283	1510	167	12	5.5	2.3	45	5.3
23	66	167	307	228	308	1540	145	10	5.7	2.2	36	10
24	59	142	404	280	321	1570	137	9.1	5.2	2.2	27	20
25	53	129	489	291	328	1320	127	8.1	4.6	6.3	20	23
26	48	123	513	255	315	1010	116	6.7	16	5.6	16	19
27	43	115	502	259	289	801	106	8.1	12	3.7	13	15
28	56	110	425	273	300	719	96	7.2	5.6	3.9	17	12
29	57	115	356	301	297	765	86	7.9	5.2	3.7	8.4	10
30	52	124	297	360	---	866	123	6.9	5.1	3.3	7.0	11
31	46	---	244	408	---	994	---	5.8	---	3.0	5.6	---
TOTAL	4175	7312	9269	9787	12825	24999	13704	2840.8	174.6	130.6	558.1	330.8
MEAN	135	244	299	316	442	806	457	91.6	5.82	4.21	18.0	11.0
MAX	608	560	513	461	692	1570	1180	326	16	11	62	24
MIN	43	49	123	226	260	251	86	5.8	4.2	2.2	3.0	3.6
CFSM	.24	.44	.54	.57	.80	1.45	.82	.17	.01	.01	.03	.02
IN.	.28	.49	.62	.66	.86	1.68	.92	.19	.01	.01	.04	.02

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	227	200	419	707	957	1118	758	344	242	252	280	230
MAX	1674	2074	2359	2498	2263	2900	2667	1804	999	1730	2536	1244
(WY)	1965	1948	1948	1987	1965	1948	1948	1966	1973	1941	1991	1964
MIN	1.22	3.02	4.98	5.44	43.2	52.6	45.7	5.88	4.32	1.56	1.53	1.20
(WY)	1955	1955	1955	1955	1950	1955	1968	1985	1950	1986	1954	1993

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1937 - 1996

ANNUAL TOTAL	205860.4	86105.9	
ANNUAL MEAN	564	235	475
HIGHEST ANNUAL MEAN			1283
LOWEST ANNUAL MEAN			77.7
HIGHEST DAILY MEAN	4650	1570	12400
LOWEST DAILY MEAN	5.3	2.2	.54
ANNUAL SEVEN-DAY MINIMUM	5.6	2.4	.63
INSTANTANEOUS PEAK FLOW		1610	13500
INSTANTANEOUS PEAK STAGE		9.36	16.60
INSTANTANEOUS LOW FLOW		2.1	.48
ANNUAL RUNOFF (CFSM)	1.02	.42	.86
ANNUAL RUNOFF (INCHES)	13.80	5.77	11.62
10 PERCENT EXCEEDS	1530	628	1320
50 PERCENT EXCEEDS	209	124	164
90 PERCENT EXCEEDS	13	4.4	7.0

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.

LOCATION.--Lat 33°37'47", long 84°07'43", DeKalb-Rockdale County line, Hydrologic Unit 03070103, at downstream end of pier of bridge on Klondike Road, 1.1 mi south of State Highway 212, 1.2 mi downstream from Pole Bridge Creek, 5.8 mi southwest of Lithonia, and 8.6 mi downstream from Snapfinger Creek.

DRAINAGE AREA.--182 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 660.90 ft above sea level (levels from DeKalb County benchmark).

REMARKS.--Records good. Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 30, 1963 reached a stage of 11.80 ft, discharge 9,630 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and the maximum (*). Gage-height values shown are the values recorded by the water-stage recorder. The gage-height values in parentheses are the crest-stage gage values.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0500	*11,200	12.48 (13.29)	Jan. 27	1700	10,100	12.02 (12.97)
Nov. 7	2345	5,290	9.63 (-----)	Feb. 3	0645	8,350	11.22 (-----)
Nov. 11	2330	6,330	10.20 (-----)	Mar. 7	2000	8,960	11.50 (-----)

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	86	259	185	516	672	242	425	423	187	137	197	121
2	87	1770	182	596	3050	233	362	304	183	130	299	129
3	93	1240	180	501	5410	227	338	269	179	126	178	152
4	7620	458	180	291	815	219	324	243	171	121	235	213
5	9760	324	178	258	561	222	304	228	163	116	168	162
6	1620	291	183	256	479	2210	475	221	156	120	1300	130
7	504	2830	493	1540	437	6090	400	211	154	121	246	118
8	362	2450	259	539	406	2810	314	204	246	124	352	112
9	302	567	390	349	365	690	298	200	960	174	182	122
10	262	385	273	302	337	524	279	195	340	135	150	184
11	233	2810	212	285	319	446	272	198	248	117	144	124
12	216	2310	203	681	294	389	265	256	288	119	234	116
13	207	587	194	343	281	358	276	185	385	131	174	107
14	853	473	189	291	277	337	352	190	501	160	132	101
15	483	349	187	267	274	328	275	197	266	223	123	100
16	269	293	184	242	261	490	268	188	199	259	119	423
17	231	265	212	231	252	454	262	185	261	139	116	1160
18	218	251	231	260	253	335	254	182	176	281	129	206
19	197	242	2210	2090	249	1120	251	179	181	132	117	143
20	191	230	635	513	463	504	362	177	305	123	167	133
21	186	222	372	366	304	400	745	171	173	194	115	461
22	179	212	295	323	268	353	318	168	160	150	108	1130
23	175	208	254	290	262	322	289	161	151	136	211	212
24	175	258	232	821	249	304	304	157	142	116	803	156
25	174	232	220	466	232	421	261	1730	169	121	751	139
26	169	208	211	366	231	469	509	445	323	165	259	129
27	183	196	208	8210	228	408	445	321	154	259	197	126
28	707	193	200	2070	435	1030	273	698	141	168	162	541
29	248	247	197	623	340	546	311	345	140	140	144	540
30	208	213	194	520	---	420	1800	229	139	123	129	195
31	200	---	203	1570	---	498	---	201	---	111	125	---
TOTAL	26398	20573	9546	25976	18004	23399	11611	9061	7241	4671	7766	7685
MEAN	852	686	308	838	621	755	387	292	241	151	251	256
MAX	9760	2830	2210	8210	5410	6090	1800	1730	960	281	1300	1160
MIN	86	193	178	231	228	219	251	157	139	111	108	100
CFSM	4.68	3.77	1.69	4.60	3.41	4.15	2.13	1.61	1.33	.83	1.38	1.41
IN.	5.40	4.21	1.95	5.31	3.68	4.78	2.37	1.85	1.48	.95	1.59	1.57

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	267	311	316	411	452	448	308	272	239	299	241	247
MAX	852	712	817	840	1010	852	508	582	505	804	447	520
(WY)	1996	1993	1984	1990	1990	1990	1984	1984	1989	1994	1984	1992
MIN	68.0	122	112	144	170	165	127	124	84.4	77.9	101	82.9
(WY)	1988	1988	1989	1986	1986	1988	1986	1988	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	148053		171931			
ANNUAL MEAN	406		470		317	
HIGHEST ANNUAL MEAN					470	
LOWEST ANNUAL MEAN					159	
HIGHEST DAILY MEAN	9760		9760		9870	
LOWEST DAILY MEAN	86		86		48	
ANNUAL SEVEN-DAY MINIMUM	92		122		53	
INSTANTANEOUS PEAK FLOW			11200		12500	
INSTANTANEOUS PEAK STAGE			a		b	
ANNUAL RUNOFF (CFSM)	2.23		2.58		1.74	
ANNUAL RUNOFF (INCHES)	30.26		35.14		23.66	
10 PERCENT EXCEEDS	697		692		552	
50 PERCENT EXCEEDS	220		248		186	
90 PERCENT EXCEEDS	113		129		99	

a 12.48 ft in gage well, 13.29 ft from crest-stage gage.

b 13.03 ft in gage well, 14.01 ft from floodmarks.

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1983 to March 1994.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1983 to current year.

DISSOLVED OXYGEN: November 1983 to current year.

INSTRUMENTATION.--Water-quality monitor. Water Temperature and Dissolved Oxygen are recorded hourly.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 30.5°C July 25, 1995; minimum recorded, 0.5°C Jan. 21, 1985.

DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L Jan. 8, 1988; minimum recorded, 0.7 mg/L Mar. 13, 1986.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 28.0°C June 23, July 19, 20, 23; minimum recorded, 4.0°C Jan. 8, 9, Feb. 6.

DISSOLVED OXYGEN: Maximum recorded, 12.0 mg/L Feb. 6; minimum, 4.6 mg/L May 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	20.0	15.5	15.0	12.0	10.5	10.5	9.0	--	--	--	--
2	22.5	20.5	17.5	15.5	12.0	10.0	--	--	8.0	4.5	--	--
3	22.5	21.0	17.5	16.5	12.0	10.0	--	--	--	--	--	--
4	22.0	20.0	16.5	13.0	13.5	11.5	--	--	--	--	--	--
5	21.0	20.0	13.0	12.0	14.0	13.0	--	--	--	--	--	--
6	21.0	20.0	12.5	11.0	14.0	13.5	--	--	5.5	4.0	--	--
7	21.0	20.0	15.5	12.0	14.0	12.0	8.5	5.0	7.0	5.5	--	--
8	20.0	18.5	15.0	13.0	--	--	5.0	4.0	9.0	7.0	--	--
9	20.0	18.0	13.0	11.5	--	--	5.5	4.0	12.0	9.0	8.5	7.0
10	20.0	18.0	12.5	11.0	--	--	7.0	4.5	11.5	10.5	9.0	7.0
11	20.0	18.5	14.5	12.5	--	--	7.0	6.0	12.5	11.0	10.0	7.5
12	20.5	19.0	13.5	11.5	--	--	7.0	6.5	11.5	9.0	11.0	8.5
13	20.5	20.0	11.5	10.5	--	--	7.5	6.0	9.5	8.0	12.0	9.5
14	20.5	20.0	12.0	11.0	--	--	8.5	6.5	10.0	8.5	13.0	11.0
15	20.0	18.0	11.0	9.5	13.0	10.0	10.0	7.5	11.5	9.5	14.5	12.5
16	18.0	16.5	10.5	9.0	14.5	12.5	10.5	9.0	10.5	8.0	14.5	14.0
17	18.0	16.0	11.0	9.5	14.5	13.0	10.5	9.5	8.0	6.5	15.5	14.5
18	18.0	16.0	12.0	9.5	13.0	11.5	12.0	10.0	9.0	6.5	15.5	14.5
19	18.5	16.0	13.0	11.0	11.5	9.0	--	--	9.5	7.5	14.5	11.5
20	18.5	17.0	13.0	11.5	10.5	9.5	--	--	11.5	9.0	11.5	9.5
21	17.5	15.5	12.5	11.5	9.5	7.5	--	--	13.0	11.5	10.0	8.5
22	16.5	14.0	11.5	10.0	7.5	6.5	7.5	6.0	13.5	12.0	11.5	8.5
23	16.5	14.0	11.5	9.5	7.5	6.5	9.0	6.5	14.0	13.0	12.5	10.0
24	17.5	15.5	12.5	10.5	7.0	6.0	11.0	8.5	15.0	13.0	14.0	11.0
25	17.5	16.0	12.5	11.0	7.0	5.5	10.5	8.0	14.5	12.5	13.5	12.5
26	17.0	15.0	12.0	10.0	7.0	5.5	8.0	7.5	15.0	12.5	14.5	12.5
27	17.0	15.5	12.5	10.0	7.0	5.5	7.5	7.0	15.5	13.5	13.5	12.0
28	17.0	15.5	14.5	12.0	7.0	5.5	7.0	7.0	15.5	14.5	12.0	10.5
29	15.5	14.5	14.5	12.5	7.0	5.0	8.0	7.0	--	--	12.0	10.5
30	15.0	13.5	12.5	11.5	7.5	5.0	9.5	8.0	--	--	12.5	12.0
31	15.0	14.5	--	--	9.5	7.0	--	--	--	--	12.5	12.5
MONTH	22.5	13.5	17.5	9.0	14.5	5.0	12.0	4.0	15.5	4.0	15.5	7.0

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.2	7.6	8.9	8.6	9.7	9.2	9.8	9.4	--	--	--	--
2	8.3	7.4	8.6	8.0	9.9	9.3	--	--	10.8	10.2	--	--
3	8.2	7.5	8.3	7.9	9.9	9.3	--	--	--	--	--	--
4	8.1	7.6	9.1	8.3	9.6	8.9	--	--	--	--	--	--
5	7.7	7.0	9.4	9.1	9.2	8.9	--	--	--	--	--	--
6	7.2	6.6	9.5	9.3	9.4	8.8	--	--	12.0	11.5	--	--
7	7.5	7.2	9.5	9.0	8.9	8.7	10.6	10.3	11.5	11.0	--	--
8	7.8	7.5	9.6	8.9	--	--	11.0	10.5	11.1	10.7	--	--
9	7.8	7.6	9.6	9.3	--	--	11.1	10.5	10.7	10.1	10.5	9.6
10	7.9	7.5	9.6	9.4	--	--	10.9	10.6	10.4	9.9	10.5	9.8
11	7.8	7.4	9.5	9.1	--	--	11.0	10.4	10.3	9.8	10.4	9.9
12	7.7	7.4	10.2	9.3	--	--	11.0	10.6	10.7	9.9	10.2	9.6
13	7.5	7.3	9.8	9.5	--	--	10.7	10.5	10.7	9.9	9.9	9.0
14	7.5	6.3	9.6	9.1	--	--	10.7	10.1	10.4	10.2	9.3	8.9
15	7.7	7.0	9.5	9.1	11.1	9.4	10.2	9.8	10.4	10.1	9.1	8.6
16	8.2	7.7	9.7	9.4	9.4	8.8	10.0	9.7	10.4	10.0	8.8	8.3
17	8.4	8.1	9.9	9.5	9.4	9.0	10.0	9.7	11.0	10.3	8.5	8.2
18	8.5	8.1	9.7	9.4	9.6	9.3	9.9	9.5	10.9	10.2	8.4	8.1
19	8.3	7.9	9.5	9.1	10.3	9.6	--	--	10.6	10.1	9.1	8.4
20	8.1	7.8	9.4	9.1	10.0	9.7	--	--	10.3	9.1	9.5	9.1
21	8.5	7.9	9.4	9.1	10.5	9.9	--	--	9.5	9.0	9.9	9.4
22	8.8	8.2	9.8	9.3	10.5	10.2	10.9	10.4	9.2	9.1	9.8	9.3
23	8.9	8.3	10.1	9.6	10.7	10.2	10.9	10.3	9.2	8.9	9.6	8.9
24	8.6	8.1	9.8	9.4	10.9	10.5	10.6	9.7	9.2	8.8	9.4	8.8
25	8.8	8.1	9.7	9.4	11.1	10.7	10.7	9.8	9.4	8.7	9.0	8.6
26	9.0	8.2	9.9	9.5	11.3	10.8	11.0	10.4	9.6	9.0	9.0	8.6
27	8.8	8.1	9.7	9.4	11.4	10.9	11.2	10.9	9.2	8.8	9.2	8.6
28	8.3	7.7	9.5	8.9	11.2	10.8	11.1	10.5	9.0	8.5	9.6	9.2
29	8.5	7.8	9.0	8.8	11.4	10.8	10.5	10.4	--	--	9.6	9.4
30	8.9	8.4	9.5	8.8	11.2	10.7	10.4	10.2	--	--	9.4	9.0
31	8.7	8.6	--	--	10.8	9.8	--	--	--	--	9.2	9.0
MONTH	9.0	6.3	10.2	7.9	11.4	8.7	11.2	9.4	12.0	8.5	10.5	8.1

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.

LOCATION.--Lat 33°29'04", long 83°57'29", Newton-Henry County line, Hydrologic Unit 03070103, at bridge on State Highway 81, 0.2 mi south of State Highway 212, and 0.5 mi upstream from Snapping Shoals Creek.

DRAINAGE AREA.--465 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply. Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 05...	0730	E10000	42	35	6.4	6.5	21.0	22.0	8.2	95
NOV 07...	1330	>10000	93	90	7.0	6.4	14.0	18.0	9.6	96
DEC 07...	0740	670	110	103	7.1	7.1	13.0	7.0	9.2	89
JAN 05...	0700	580	94	92	7.2	6.8	5.0	-3.0	11.5	91
FEB 21...	0815	670	126	117	7.2	7.0	10.0	5.0	9.4	85
MAR 20...	0700	1150	66	62	7.0	6.5	9.0	1.0	9.6	86
APR 18...	0730	460	106	100	7.1	6.9	14.0	5.0	8.4	83
MAY 23...	0630	310	135	127	7.2	6.9	23.5	17.0	6.7	81
JUN 20...	0640	245	138	135	7.3	7.0	25.0	21.5	6.3	78
JUL 11...	0630	173	169	163	7.5	7.3	26.0	21.0	6.0	75
AUG 22...	0630	125	188	187	7.6	7.5	25.0	18.0	6.2	76
SEP 19...	0630	260	109	108	7.0	6.6	20.0	14.0	6.9	78

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 05...	120	28	2.5	54000	8	193
NOV 07...	23	13	1.4	810	10	12
DEC 07...	27	23	<1.0	1100	24	21
JAN 05...	16	8	1.5	110	11	8
FEB 21...	19	8	1.7	330	29	21
MAR 20...	120	16	2.4	4900	14	140
APR 18...	13	17	<1.0	110	25	12
MAY 23...	56	16	<1.0	50	29	43
JUN 20...	18	11	<1.0	700	30	20
JUL 11...	11	8	<1.0	80	41	12
AUG 22...	13	10	<1.0	50	40	13
SEP 19...	31	5	1.0	1100	10	28

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	0.180	<0.030	0.90	0.90	1.1	0.170	7.0
NOV 07...	0.120	<0.030	0.30	0.30	0.42	0.040	4.0
DEC 07...	0.950	0.040	0.16	0.20	1.2	0.050	2.0
JAN 05...	0.270	0.080	--	<0.10	--	0.040	2.0
FEB 21...	1.28	0.240	0.26	0.50	1.8	0.050	2.0
MAR 20...	0.530	0.050	0.65	0.70	1.2	0.190	4.0
APR 18...	0.920	<0.030	0.20	0.20	1.1	<0.020	2.0
MAY 23...	1.28	<0.030	0.40	0.40	1.7	0.110	2.0
JUN 20...	1.16	<0.030	0.30	0.30	1.5	0.050	2.0
JUL 11...	1.76	<0.030	0.40	0.40	2.2	0.070	2.0
AUG 22...	1.77	<0.030	0.30	0.30	2.1	0.070	2.0
SEP 19...	0.490	<0.030	0.40	0.40	0.89	0.080	3.0

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank 40 ft downstream from McDaniels Bridge on Killian Hill Road, 3.2 mi west of Snellville, 4 mi downstream from Sweetwater Creek and 7.5 mi upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--October 1942 to September 1971. October 1987 to current year.

REVISED RECORDS.--WSP 1032: 1943(M), WSP 1112: 1944-45(M), WSP 1384: 1949(M), 1952(M), drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 806.14 ft above sea level (levels by the Georgia Department of Transportation). Prior to Nov. 4, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	unknown	*12,800	*19.75	Jan. 27	unknown	6,440	16.59
Nov. 8	0615	2,720	9.68	Feb. 3	unknown	5,480	15.54
Nov. 12	0215	2,680	9.59	Mar. 7	unknown	6,800	16.82

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	82	195	167	357	e500	186	544	505	122	77	131	76
2	87	1330	164	427	e2300	180	349	273	110	66	153	86
3	123	964	162	379	e4000	174	279	238	104	67	146	121
4	e5200	472	168	226	e1500	163	259	215	102	71	103	111
5	e8600	266	169	197	e600	167	242	210	127	61	132	151
6	e2500	234	172	365	e400	2060	340	191	110	63	188	95
7	e640	1420	257	1380	375	e5400	292	334	112	64	95	80
8	e310	2180	185	628	324	e2700	238	212	186	71	296	77
9	e250	683	637	312	294	759	225	189	738	80	155	193
10	e170	317	400	267	264	610	211	178	382	74	98	196
11	e150	1490	e230	247	246	491	205	194	264	69	110	103
12	e160	1820	e200	496	228	339	198	187	189	68	183	84
13	183	565	e190	284	221	281	201	149	288	71	110	77
14	781	323	e180	228	219	251	201	140	343	80	85	74
15	832	247	e180	208	222	317	196	141	208	158	71	68
16	275	215	e180	200	210	1030	190	142	160	164	69	240
17	196	e200	183	193	199	702	182	130	132	122	72	654
18	168	e180	193	240	204	367	182	130	141	551	91	215
19	151	e170	1320	1740	204	1340	210	129	177	177	87	116
20	155	e170	695	973	334	787	412	116	211	102	110	95
21	159	e170	310	e450	255	403	997	116	124	119	88	162
22	140	163	243	e300	210	311	401	116	110	99	118	299
23	133	161	220	e260	201	262	266	126	103	90	360	135
24	126	200	e190	e800	192	243	249	130	95	71	361	97
25	128	186	e175	e500	185	317	216	177	97	171	226	90
26	126	172	e160	e400	177	326	467	144	109	168	416	91
27	148	173	e160	e4700	176	312	384	139	84	104	319	90
28	385	179	e160	e3000	258	873	220	247	88	121	205	363
29	192	e220	155	e700	233	630	304	196	89	150	125	588
30	146	e180	153	e500	---	432	1370	135	90	102	110	216
31	152	---	158	e1100	---	425	---	123	---	89	87	---
TOTAL	22848	15245	8116	22057	14731	22838	10030	5652	5195	3540	4900	5043
MEAN	737	508	262	712	508	737	334	182	173	114	158	168
MAX	8600	2180	1320	4700	4000	5400	1370	505	738	551	416	654
MIN	82	161	153	193	176	163	182	116	84	61	69	68
CFSM	5.50	3.79	1.95	5.31	3.79	5.50	2.50	1.36	1.29	.85	1.18	1.25
IN.	6.34	4.23	2.25	6.12	4.09	6.34	2.78	1.57	1.44	.98	1.36	1.40

e Estimated

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	108	155	184	272	319	354	276	181	141	130	100	90.6
MAX	737	675	571	712	778	836	744	415	396	581	399	299
(WY)	1996	1949	1993	1996	1961	1990	1964	1966	1994	1989	1994	1989
MIN	3.89	28.1	44.0	49.5	144	121	113	65.8	34.1	26.1	11.7	4.40
(WY)	1955	1955	1956	1956	1947	1955	1950	1988	1988	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	116202		140195		192	
ANNUAL MEAN	318		383		383	
HIGHEST ANNUAL MEAN					83.7	
LOWEST ANNUAL MEAN					1955	
HIGHEST DAILY MEAN	8600	Oct 5	8600	Oct 5	8600	Oct 5 1995
LOWEST DAILY MEAN	42	Aug 18	61	Jul 5	1.6	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	46	Aug 13	66	Jul 2	1.9	Oct 4 1954
INSTANTANEOUS PEAK FLOW			12800	Oct 5	a12800	Oct 5 1995
INSTANTANEOUS PEAK STAGE			19.75	Oct 5	b19.75	Oct 5 1995
INSTANTANEOUS LOW FLOW			54	Jul 8	1.5	Oct 9 1954
ANNUAL RUNOFF (CFSM)	2.38		2.86		1.43	
ANNUAL RUNOFF (INCHES)	32.26		38.92		19.47	
10 PERCENT EXCEEDS	643		687		359	
50 PERCENT EXCEEDS	170		193		115	
90 PERCENT EXCEEDS	81		90		35	

a From rating curve extended above 6,600 ft³/s, on basis of contracted-opening measurement of peak flow.

b From crest-stage gage peak.

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.

LOCATION.--Lat 33°26'26", long 83°52'43", Newton County, Hydrologic Unit 03070103, at bridge on State Highway 212, 2.5 mi northwest of Stewart.

DRAINAGE AREA.--440 mi², approximately.

PERIOD OF RECORD.--July 1974 to March 1994, October 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON- DUCT- ANCE (US/CM)	SPE-CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 05...	0700	3800	50	47	6.7	6.7	21.0	22.0	7.5	87
NOV 07...	1300	4000	69	66	6.9	6.8	13.0	18.0	9.6	94
DEC 07...	0700	750	92	87	7.1	7.2	13.0	8.0	9.5	92
JAN 05...	0640	900	75	72	7.1	6.8	5.0	-3.0	11.8	94
FEB 21...	0740	880	84	82	7.1	7.1	10.0	6.0	11.6	105
MAR 20...	0630	2500	60	57	7.1	6.6	10.0	2.0	11.5	105
APR 18...	0645	640	89	83	7.2	6.9	14.0	6.0	8.6	85
MAY 23...	0600	370	110	105	7.2	7.0	23.0	18.0	7.2	86
JUN 20...	0600	440	108	105	7.3	6.9	24.5	21.5	6.9	85
JUL 11...	0600	290	145	142	7.4	7.2	25.0	21.0	6.7	83
AUG 22...	0600	280	151	150	7.4	7.4	24.0	18.0	6.9	83
SEP 19...	0600	700	75	74	7.1	7.0	20.0	14.0	7.5	84

DATE	TUR-BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 05...	150	22	2.3	35000	10	163
NOV 07...	40	14	1.5	2200	17	49
DEC 07...	23	22	<1.0	4900	20	36
JAN 05...	23	8	1.6	110	14	24
FEB 21...	15	<5	<1.0	130	20	14
MAR 20...	130	20	1.6	4900	15	159
APR 18...	9.0	14	<1.0	40	23	9
MAY 23...	12	18	<1.0	170	28	14
JUN 20...	15	12	<1.0	110	28	22
JUL 11...	12	11	<1.0	330	36	21
AUG 22...	11	10	<1.0	220	37	18
SEP 19...	100	12	1.1	790	20	86

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
05...	0.310	0.060	0.74	0.80	1.1	0.170	6.0
NOV							
07...	0.430	0.040	0.26	0.30	0.73	0.060	3.0
DEC							
07...	0.670	<0.030	0.30	0.30	0.97	0.050	2.0
JAN							
05...	0.600	<0.030	0.20	0.20	0.80	0.060	2.0
FEB							
21...	0.810	<0.030	--	<0.10	--	0.030	2.0
MAR							
20...	0.510	<0.030	0.60	0.60	1.1	0.130	4.0
APR							
18...	0.610	<0.030	0.20	0.20	0.81	<0.020	2.0
MAY							
23...	0.950	<0.030	0.20	0.20	1.2	0.030	2.0
JUN							
20...	0.820	<0.030	0.30	0.30	1.1	<0.020	2.0
JUL							
11...	0.780	<0.030	0.20	0.20	0.98	0.030	2.0
AUG							
22...	1.06	<0.030	0.20	0.20	1.3	0.030	2.0
SEP							
19...	0.380	<0.030	0.40	0.40	0.78	0.090	3.0

ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	169	202	274	370	410	452	351	240	165	138	151	128
MAX	731	604	750	643	836	886	804	585	356	483	450	440
(WY)	1996	1996	1984	1996	1990	1975	1973	1980	1975	1994	1994	1994
MIN	7.66	42.4	83.1	102	129	118	100	49.8	7.89	5.91	9.54	11.8
(WY)	1988	1982	1988	1981	1989	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1972 - 1996

ANNUAL TOTAL	119770		145445									
ANNUAL MEAN	328		397								255	
HIGHEST ANNUAL MEAN											397	1996
LOWEST ANNUAL MEAN											99.4	1988
HIGHEST DAILY MEAN	5610	Oct 6	5610	Oct 6							6470	Mar 18 1990
LOWEST DAILY MEAN	32	Aug 19	56	Aug 23							a.56	Jul 21 1986
ANNUAL SEVEN-DAY MINIMUM	37	Aug 14	62	Aug 19							.73	Jul 16 1986
INSTANTANEOUS PEAK FLOW			6600	Oct 5							b7620	Mar 18 1992
INSTANTANEOUS PEAK STAGE			13.90	Oct 5							14.79	Mar 16 1976
ANNUAL RUNOFF (CFSM)	1.77		2.15								1.38	
ANNUAL RUNOFF (INCHES)	24.08		29.25								18.69	
10 PERCENT EXCEEDS	680		698								514	
50 PERCENT EXCEEDS	226		294								169	
90 PERCENT EXCEEDS	71		85								54	

a Minimum daily discharge may have been less during a period of extensive diversion, June 19 through September 12, 1986.

b Gage height, 14.49 ft.

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.

LOCATION.--Lat 33°26'58", long 83°49'42", Newton County, Hydrologic Unit 03070103, at bridge on Newton Factory Bridge Road, 2.6 mi northeast of Stewart.

DRAINAGE AREA.--250 mi², approximately.

PERIOD OF RECORD.--July 1974 to March 1994, October 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	GAGE HEIGHT (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 05...	0630	6.67	37	40	6.5	6.4	21.0	22.0	8.4	98
NOV 07...	1230	6.57	43	40	6.9	6.8	13.0	18.0	9.6	94
DEC 07...	0630	5.82	49	45	7.2	6.9	12.0	8.0	8.7	83
JAN 05...	0615	6.15	42	41	7.2	6.9	5.0	-3.0	11.4	91
FEB 21...	0700	5.84	44	41	7.1	6.7	9.0	6.0	10.6	94
MAR 20...	0600	6.24	42	40	6.9	6.6	10.0	2.0	10.3	94
APR 18...	0615	5.87	49	44	7.0	6.6	14.0	6.0	8.9	88
MAY 23...	0530	5.57	55	51	7.1	6.8	23.0	18.0	7.2	86
JUN 20...	0530	5.50	55	48	7.2	6.8	24.0	21.5	6.9	84
JUL 11...	0530	5.12	55	53	7.3	6.9	24.0	21.0	6.9	84
AUG 22...	0530	5.04	55	54	7.3	7.1	23.0	18.0	7.1	84
SEP 19...	0530	5.73	47	47	7.0	6.9	19.0	14.0	7.9	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 05...	210	2.8	13000	8	360
NOV 07...	90	1.6	3300	21	165
DEC 07...	10	<1.0	490	15	7
JAN 05...	22	1.1	<350	21	14
FEB 21...	9.0	1.2	<150	11	4
MAR 20...	23	<1.0	460	12	11
APR 18...	7.0	<1.0	<60	15	5
MAY 23...	13	<1.0	<35	17	7
JUN 20...	12	<1.0	140	19	8
JUL 11...	10	<1.0	130	19	6
AUG 22...	10	<1.0	130	19	6
SEP 19...	46	1.7	330	14	34

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	0.280	0.100	1.1	1.2	1.5	0.390	6.0
NOV 07...	0.570	0.030	0.67	0.70	1.3	0.160	3.0
DEC 07...	0.280	<0.030	0.20	0.20	0.48	0.020	2.0
JAN 05...	0.680	0.050	0.25	0.30	0.98	0.050	2.0
FEB 21...	0.360	<0.030	--	<0.10	--	<0.020	2.0
MAR 20...	0.220	<0.030	0.30	0.30	0.52	0.090	3.0
APR 18...	0.240	<0.030	0.20	0.20	0.44	<0.020	2.0
MAY 23...	0.370	<0.030	0.20	0.20	0.57	<0.020	3.0
JUN 20...	0.340	<0.030	0.30	0.30	0.64	<0.020	2.0
JUL 11...	0.360	<0.030	0.20	0.20	0.56	<0.020	2.0
AUG 22...	0.380	<0.030	0.20	0.20	0.58	<0.020	2.0
SEP 19...	0.220	<0.030	0.40	0.40	0.62	0.050	3.0

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.

LOCATION.--Lat 33°18'27", long 83°50'18", Butts-Jasper County line, Hydrologic Unit 03070103, on right bank 500 ft upstream from bridge on State Highway 16, 0.5 mi upstream from Yellow Water Creek, 1 mi downstream from Lloyd Shoals Dam, and 7 mi east of Jackson.

DRAINAGE AREA.--1,420 mi², approximately.

PERIOD OF RECORD.--May 1906 to September 1915, August 1939 to September 1960, October 1975 to September 1982, March 1987 to current year.

GAGE.--Water stage recorder. Datum of gage is 419.29 ft above sea level. Prior to Jan. 1, 1913, staff gages; Jan. 1 to Dec. 31, 1913, water-stage recorder; Jan. 1, 1914 to Dec. 31, 1915, staff gage; and Aug. 1, 1939 to Sept. 30, 1960 and Oct. 1, 1975 to Sept. 30, 1982, water-stage recorder, all at present site and datum.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910 (see "Lakes and Reservoirs in the Altamaha River Basin," station 02210000).

AVERAGE DISCHARGE.--46 years (1906-15, 1939-60, 1975-82, 1988-96), 1,790 ft³/s, 17.12 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 26.8 ft, Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft³/s, by computation of flow over dam.

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	617	2020	1720	2490	8640	2590	3960	4380	1130	736	709	508
2	1030	2030	1110	2580	7270	2060	3920	4420	817	768	1270	509
3	1350	3530	1610	3190	17200	1950	3700	4320	1060	514	1010	814
4	3860	5650	1250	3270	20500	1960	3490	3090	1120	521	1170	1660
5	20800	5130	1470	2960	14500	1510	3310	1580	1130	632	1250	1090
6	33000	4480	1410	2480	9910	2650	3210	2000	1060	653	1550	516
7	26000	4370	1930	3000	5600	9250	3190	2150	975	533	1560	974
8	14600	9190	2410	3710	5000	23800	3180	564	1270	906	1770	512
9	5740	11000	2410	3900	4560	20400	3120	880	3280	936	2070	510
10	3570	8110	2410	3870	4220	12900	3050	1220	3730	505	1000	514
11	3090	5560	2060	3770	3900	5960	3000	1580	3520	494	1130	853
12	2950	11300	2120	3640	3250	3920	2630	1370	2080	491	2090	506
13	2680	11400	1920	3590	2930	3020	1640	1040	2090	515	1040	901
14	2720	8720	1850	3500	3370	3000	1370	1200	2090	516	518	504
15	3700	6100	1190	3360	3130	2930	1920	1420	2080	518	987	506
16	2970	4810	1460	2790	2510	2950	1780	1270	2080	757	914	511
17	821	4220	1460	2520	2280	3870	874	1170	1990	741	804	1480
18	1650	3720	1920	2230	1850	4530	1320	1160	985	643	510	2060
19	1940	2530	2430	2510	2510	4620	1900	1040	1480	953	526	2060
20	983	2530	3110	3210	2500	4790	2100	1090	2060	970	520	1020
21	952	2520	3550	3700	2280	4920	2260	1440	1010	520	512	1010
22	1240	2510	3800	3450	561	4860	2600	925	468	942	524	2670
23	1110	2510	3670	3220	1770	4660	2600	1100	469	911	529	2760
24	1040	2490	3470	3120	1270	3690	2400	1440	887	537	514	985
25	935	1980	2790	3180	2010	2830	2140	1430	824	522	1670	955
26	1080	2020	2470	3450	2570	2650	2600	2760	995	523	1290	607
27	1020	1880	2450	3910	1460	2670	2590	2280	873	902	1510	516
28	1870	1600	1580	14200	2060	2770	2580	2050	766	818	1470	535
29	1820	1360	1310	17700	2590	2950	2590	3580	501	1040	1110	1570
30	1970	1720	1740	12300	---	4080	2650	2440	537	944	968	2040
31	1850	---	1640	9580	---	4020	---	2060	---	523	732	---
TOTAL	148958	136990	65720	140380	142201	158760	77674	58449	43357	21484	33227	31656
MEAN	4805	4566	2120	4528	4903	5121	2589	1885	1445	693	1072	1055
MAX	33000	11400	3800	17700	20500	23800	3960	4420	3730	1040	2090	2760
MIN	617	1360	1110	2230	561	1510	874	564	468	491	510	504

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1106	1409	1627	2359	2746	3396	2416	1651	1260	1274	1006	926
MAX	4805	7493	4427	6735	6220	7434	5949	4073	4496	7089	3002	2842
(WY)	1996	1949	1993	1946	1990	1952	1979	1980	1912	1994	1994	1994
MIN	119	98.6	370	593	910	906	986	655	308	155	253	340
(WY)	1955	1955	1955	1956	1941	1988	1954	1988	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1911 - 1996	
ANNUAL TOTAL	922173		1058856			
ANNUAL MEAN	2527		2893		1764	
HIGHEST ANNUAL MEAN	†2512		†2894		2996	
LOWEST ANNUAL MEAN					866	
HIGHEST DAILY MEAN	33000		33000		62900	
LOWEST DAILY MEAN	519		468		18	
ANNUAL SEVEN-DAY MINIMUM	541		519		75	
INSTANTANEOUS PEAK FLOW			35000		68500	
INSTANTANEOUS PEAK STAGE			17.51		26.87	
ANNUAL RUNOFF (CFSM)	1.78		2.04		1.24	
ANNUAL RUNOFF (INCHES)	24.16		†24.02		16.88	
10 PERCENT EXCEEDS	4610		4700		3120	
50 PERCENT EXCEEDS	1790		2020		1140	
90 PERCENT EXCEEDS	649		536		516	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1910, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1659	1166	1923	1930	4235	3595	2512	1810	2234	1788	1763	1199
MAX	4009	1462	2642	2818	6163	6015	3740	2231	4069	2630	2555	2026
(WY)	1907	1908	1908	1908	1908	1909	1908	1909	1906	1910	1909	1906
MIN	520	953	1295	1601	2986	2328	1852	1345	1485	1038	819	903
(WY)	1908	1910	1910	1910	1907	1907	1907	1907	1907	1907	1910	1910

SUMMARY STATISTICS WATER YEARS 1906 - 1910

ANNUAL MEAN	2069
HIGHEST ANNUAL MEAN	2442
LOWEST ANNUAL MEAN	1702
HIGHEST DAILY MEAN	25400
LOWEST DAILY MEAN	300
ANNUAL SEVEN-DAY MINIMUM	412
ANNUAL RUNOFF (CFSM)	1.46
ANNUAL RUNOFF (INCHES)	19.79
10 PERCENT EXCEEDS	3870
50 PERCENT EXCEEDS	1420
90 PERCENT EXCEEDS	670

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA

LOCATION.--Lat 33°05'59", long 83°43'25", Jones County, Hydrologic Unit 03070103, on left bank 300 ft upstream from bridge on County

Road 1432, 4 mi upstream from Caney Creek, and 5.1 mi east of Juliette.

DRAINAGE AREA.--72.2 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 366.52 ft above sea level (leveling by global positioning system equipment).

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 27	1630	1,140	10.20	Mar. 7	1715	*5,600	*20.41
Feb. 3	0245	3,360	16.92				

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	7.8	30	24	91	438	78	133	95	16	4.4	6.8	9.6
2	7.6	38	24	91	1040	58	101	44	14	4.1	11	9.3
3	7.9	49	23	82	2150	48	82	32	13	3.7	9.4	10
4	16	45	22	71	422	42	72	27	14	3.2	11	11
5	345	33	22	54	237	39	64	25	18	4.5	9.6	11
6	228	28	23	48	173	163	65	23	14	9.0	8.3	9.1
7	55	257	64	363	133	3370	74	20	12	8.8	7.7	7.7
8	26	564	59	321	107	1300	62	22	15	7.9	9.6	6.7
9	17	178	42	140	91	344	54	21	24	7.8	8.9	6.3
10	14	79	38	97	77	215	48	19	23	6.7	7.7	16
11	13	374	32	76	70	161	45	18	16	4.8	8.2	11
12	12	559	29	96	62	133	43	17	14	3.9	45	11
13	12	203	28	86	56	112	42	16	12	3.5	22	8.6
14	13	109	26	66	53	85	42	15	14	3.9	12	7.0
15	18	74	25	56	52	74	42	15	14	5.0	9.4	5.9
16	18	55	25	49	49	91	41	15	11	9.3	7.9	5.7
17	15	45	25	45	45	445	37	15	11	8.4	6.7	12
18	13	40	24	43	44	498	35	14	12	6.5	6.2	11
19	12	37	633	95	44	597	36	13	10	5.2	6.6	7.9
20	12	34	486	82	63	362	45	12	9.9	4.3	5.8	6.3
21	12	31	183	59	59	190	48	11	16	4.4	5.1	6.1
22	12	29	107	51	49	127	40	11	11	11	4.4	18
23	11	28	80	47	45	97	35	10	7.7	30	4.2	13
24	11	31	65	74	42	81	35	9.8	7.0	13	6.2	7.9
25	11	42	57	128	39	86	31	14	6.5	12	45	6.2
26	11	35	53	78	37	124	29	18	6.1	90	22	5.3
27	18	30	49	786	36	94	30	25	5.7	28	18	4.8
28	219	27	45	448	89	400	27	65	5.7	16	28	6.6
29	87	26	42	219	152	289	28	84	5.1	13	16	27
30	35	25	41	149	---	168	189	33	4.7	9.6	12	16
31	27	---	41	569	---	154	---	21	---	7.6	10	---
TOTAL	1316.3	3135	2437	4660	5954	10025	1655	779.8	362.4	349.5	390.7	294.0
MEAN	42.5	104	78.6	150	205	323	55.2	25.2	12.1	11.3	12.6	9.80
MAX	345	564	633	786	2150	3370	189	95	24	90	45	27
MIN	7.6	25	22	43	36	39	27	9.8	4.7	3.2	4.2	4.8
CFSM	.59	1.45	1.09	2.08	2.84	4.48	.76	.35	.17	.16	.17	.14
IN.	.68	1.62	1.26	2.40	3.07	5.17	.85	.40	.19	.18	.20	.15

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.1	37.9	71.0	113	143	155	84.9	42.3	24.8	30.8	30.0	11.8
MAX	170	268	230	259	309	393	262	255	81.5	317	150	47.7
(WY)	1965	1993	1965	1978	1979	1971	1975	1976	1966	1994	1994	1992
MIN	.51	3.75	9.46	16.0	30.8	34.5	16.5	7.45	1.27	.95	.034	.74
(WY)	1988	1979	1989	1981	1968	1985	1986	1986	1988	1986	1988	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	24810.5		31358.7		64.0	
ANNUAL MEAN	68.0		85.7		112	
HIGHEST ANNUAL MEAN					19.6	
LOWEST ANNUAL MEAN					1975	
HIGHEST DAILY MEAN	1820	Feb 17	3370	Mar 7	4940	Jul 6 1994
LOWEST DAILY MEAN	3.6	Aug 19	3.2	Jul 4	.01	a
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 13	4.2	Jun 29	.01	Aug 9 1988
INSTANTANEOUS PEAK FLOW			5600	Mar 7	7920	Jul 5 1994
INSTANTANEOUS PEAK STAGE			20.41	Mar 7	b23.25	Jul 5 1994
INSTANTANEOUS LOW FLOW			2.7	Jul 5	.01	c
ANNUAL RUNOFF (CFSM)	.94		1.19		.89	
ANNUAL RUNOFF (INCHES)	12.78		16.16		12.05	
10 PERCENT EXCEEDS	131		169		115	
50 PERCENT EXCEEDS	25		28		23	
90 PERCENT EXCEEDS	5.6		6.7		3.5	

a Aug 9-22, 29, 30, and Sep 1, 2, 1988.

b From floodmarks.

c Part or all of each day Aug 6-23 and Aug 28 - Sep 3, 1988.

ALTAMAHA RIVER BASIN

02212950 OCMULGEE RIVER ABOVE MACON, GA.

LOCATION.--Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, at Macon waterworks intake, 1.2 mi north of Macon city limits, and at mile 201.

DRAINAGE AREA.--2,240 mi², approximately.

PERIOD OF RECORD.--July 1974 to February 1994, November 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02213000, Ocmulgee River at Macon, Ga. Flow regulated by Lloyd Shoals Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 27...	0700	1010	80	76	7.1	7.0	17.5	15.5	8.6	91
NOV 29...	0945	1930	79	74	7.3	7.2	13.0	14.0	9.8	93
JAN 02...	0810	3200	78	75	7.3	6.9	7.5	14.5	11.1	94
18...	0900	2950	79	61	7.4	7.0	7.5	15.5	12.2	103
FEB 22...	1005	3040	72	68	7.1	7.0	9.5	19.5	10.9	97
MAR 21...	1050	6770	60	57	6.9	6.7	11.0	9.5	10.5	97
APR 18...	0905	1310	81	74	6.8	6.6	16.0	23.0	9.0	92
MAY 16...	0810	1730	84	77	7.3	6.9	21.5	25.0	8.1	92
JUN 20...	0955	1800	91	88	7.3	7.0	28.0	31.5	7.2	93
JUL 10...	1050	1220	94	93	7.3	7.2	28.5	31.5	7.3	95
AUG 29...	0855	2040	104	102	7.3	7.3	26.5	29.0	7.4	93
SEP 25...	0740	1280	110	108	7.4	7.3	24.0	21.0	7.6	91

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	14	<1.0	80	22	7	0.380	<0.030	0.020	4.0
NOV 29...	18	<1.0	20	19	8	0.430	0.030	0.030	3.0
JAN 02...	19	<1.0	340	19	12	0.520	<0.030	0.040	2.0
18...	20	<1.0	50	18	12	0.570	<0.030	0.040	2.0
FEB 22...	25	<1.0	40	16	10	0.520	<0.030	0.030	2.0
MAR 21...	46	<1.0	230	13	31	0.450	<0.030	0.060	3.0
APR 18...	8.0	1.1	50	19	7	0.440	<0.030	<0.020	2.0
MAY 16...	40	<1.0	<20	18	60	0.460	<0.030	0.090	3.0
JUN 20...	12	<1.0	110	20	12	0.540	0.040	0.030	2.0
JUL 10...	4.0	1.1	330	25	4	0.330	<0.030	<0.020	2.0
AUG 29...	13	<1.0	<120	26	26	0.460	<0.030	0.040	2.0
SEP 25...	8.0	<1.0	80	25	6	0.470	<0.030	0.040	2.0

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 mi upstream from Walnut Creek, and at mile 198.0.

DRAINAGE AREA.--2,240 mi², approximately.

PERIOD OF RECORD.--February 1893 to July 1912, August 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Gage height records collected at same site since 1895 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

GAGE.--Water-stage recorder. Datum of gage is 269.80 ft above sea level. Prior to Oct. 9, 1905, nonrecording gage at site within 1.5 mi downstream at about same datum. Oct. 9, 1905 to Dec. 31, 1913, nonrecording gage at present site and datum. Jan. 10, 1929 to June 25, 1934, water-stage recorder at site 500 ft downstream at same datum. June 25, 1934 to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973 to Oct. 13, 1974, nonrecording gage at present site and datum.

REMARKS.--Records good to fair. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929 (See "Lakes and Reservoir in Altamaha River Basin", station 02210000). Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage height observed during the period of record was -1.0 ft Oct. 5, 1924, at site and datum then in use.

AVERAGE DISCHARGE.--86 years (water years 1894-1911, 1929-96), 2,720 ft³/s, 16.49 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 19, 1925, reached a stage of 26.0 ft, from floodmarks at Central of Georgia Railroad bridge, 500 ft downstream, discharge 72,500 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 7	1815	*28,900	*22.74	Feb. 4	0745	24,400	21.49
Nov. 13	0945	15,700	18.94	Mar. 8	1500	27,700	22.42
Jan.29	1930	20,300	20.39				

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	645	2200	2010	2400	13900	3840	5420	4480	2110	542	594	942
2	635	2220	1980	3200	13400	3250	5310	5370	1380	715	745	718
3	962	2860	1460	3510	22400	2590	5010	5090	1080	775	1230	670
4	2020	5010	1680	3850	23900	2560	4700	4790	1210	551	1110	929
5	8750	6040	1580	3760	20900	2400	4400	2710	1220	546	1230	1920
6	21500	5330	1670	3190	14800	2920	4180	2040	1300	757	1460	1230
7	27600	5030	1890	4100	9680	17800	4140	2460	1180	722	1930	845
8	22400	7440	2690	5780	6920	26800	4070	2220	1180	611	1830	1160
9	11600	13200	2870	5440	6270	26200	3930	1030	1980	887	2100	739
10	5450	11200	2850	4990	5690	19400	3790	1180	4010	935	2040	724
11	3530	8970	2550	4710	5110	11400	3690	1460	4000	562	1250	725
12	3150	11100	2570	4610	4690	7080	3580	1800	3210	488	1580	1030
13	2900	15200	2280	4480	4030	4990	2820	1570	2150	476	2020	730
14	2740	12200	2180	4270	3930	4400	2340	1290	2210	539	1210	970
15	3010	9320	1910	4050	4160	4170	2060	1410	2150	542	701	712
16	3930	6430	1570	3800	3630	4110	2450	1590	2130	610	1010	614
17	2360	5240	1750	3070	3180	6620	2270	1500	2060	866	990	678
18	1300	4550	1890	2940	2540	9020	1460	1350	1760	925	877	1800
19	1920	3760	5090	2780	2770	8290	1800	1350	1160	763	592	2150
20	2110	2830	6760	3280	3200	7720	2520	1230	1750	941	566	1970
21	1330	2750	5030	4180	3230	6770	2670	1230	2120	1010	555	1160
22	1250	2690	4760	4290	2590	6420	2980	1520	1030	741	525	1440
23	1440	2640	4600	3800	1340	6080	3080	1020	596	1180	553	3170
24	1390	2630	4280	3740	2250	5690	3060	1170	553	979	602	2400
25	1270	2400	3930	4160	1870	4590	2510	1540	896	665	772	1010
26	1170	2150	3050	4160	2730	4140	2880	1880	866	850	2420	1010
27	1390	2140	2840	7620	2700	4000	3010	3050	986	860	1670	677
28	1950	1910	2510	9140	2260	4970	2950	2490	928	1040	1970	735
29	2450	1900	1840	18400	3900	5200	2940	3590	814	935	1640	811
30	2260	1650	1670	16800	---	5010	3610	4090	549	1070	1280	1900
31	2110	---	2150	14100	---	5700	---	2610	---	962	1140	---
TOTAL	146522	162990	85890	168600	197970	234130	99630	70110	48568	24045	38192	35569
MEAN	4727	5433	2771	5439	6827	7553	3321	2262	1619	776	1232	1186
MAX	27600	15200	6760	18400	23900	26800	5420	5370	4010	1180	2420	3170
MIN	635	1650	1460	2400	1340	2400	1460	1020	549	476	525	614

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1432	1738	2587	3804	4574	5422	4243	2626	1856	1812	1511	1159
MAX	6404	9624	7222	11880	10220	16370	14610	7305	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1961	1929	1936	1964	1912	1994	1994	1994
MIN	165	186	618	750	1168	1319	972	581	301	214	299	365
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1911 - 1996	
ANNUAL TOTAL	1176536		1312216			
ANNUAL MEAN	3223		3585		2692	
HIGHEST ANNUAL MEAN	†3208		†3586		4770	
LOWEST ANNUAL MEAN					1122	
HIGHEST DAILY MEAN	27600		27600		97000	
LOWEST DAILY MEAN	511		476		128	
ANNUAL SEVEN-DAY MINIMUM	571		583		139	
INSTANTANEOUS PEAK FLOW			28900		107000	
INSTANTANEOUS PEAK STAGE			22.74		35.40	
ANNUAL RUNOFF (CFSM)	1.44		1.60		1.20	
ANNUAL RUNOFF (INCHES)	19.54		21.79		16.33	
10 PERCENT EXCEEDS	6770		6760		5210	
50 PERCENT EXCEEDS	2150		2270		1690	
90 PERCENT EXCEEDS	751		738		670	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1893 - 1910, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1681	1581	2575	2902	4992	4956	3622	2111	2388	2569	2509	1978
MAX	5412	3501	4936	6196	8965	10180	6967	3301	6665	8180	4334	5721
(WY)	1899	1899	1908	1906	1903	1902	1908	1908	1900	1896	1898	1898
MIN	300	602	1059	1298	964	1262	1449	908	653	772	1071	533
(WY)	1905	1905	1898	1898	1898	1898	1896	1898	1898	1904	1899	1905

SUMMARY STATISTICS WATER YEARS 1893 - 1910

ANNUAL MEAN	2834
HIGHEST ANNUAL MEAN	3818
LOWEST ANNUAL MEAN	1500
HIGHEST DAILY MEAN	53300
LOWEST DAILY MEAN	250
ANNUAL SEVEN-DAY MINIMUM	267
ANNUAL RUNOFF (CFSM)	1.27
ANNUAL RUNOFF (INCHES)	17.19
10 PERCENT EXCEEDS	5490
50 PERCENT EXCEEDS	1860
90 PERCENT EXCEEDS	830

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.--Lat 32°48'32", long 83°45'30", Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on State Highway 22 connector, 8 mi west of Macon, and 14 mi upstream from mouth.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--April 1937 to current year.

REVISED RECORDS.--WSP 1204: 1942.

GAGE.--Water-stage recorder. Datum of gage is 309.98 ft above sea level. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for estimated daily discharge, which are poor. Flow regulated to some extent since November 1967 by Lake Tobesofkee about 1 mi upstream. Records of chemical analyses for the water years 1969-70 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 3	1300	2,840	11.92	Mar. 8	0615	*5,380	*17.52

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	e7.6	46	e8.0	186	538	279	379	164	e42	e7.6	126	e14
2	e7.6	99	e7.6	962	1030	30	230	149	e20	e7.6	31	41
3	e10	109	e7.6	1540	2590	e23	210	141	57	e7.6	27	51
4	e18	79	e54	1080	1630	e8.0	219	118	63	e7.6	27	54
5	e12	47	44	915	492	e7.6	222	109	63	e8.0	41	53
6	e7.6	67	183	57	185	e120	200	123	57	e7.6	50	83
7	e7.6	237	86	211	355	1670	200	99	57	e7.6	99	50
8	e7.6	246	82	451	354	4440	183	98	173	e8.0	71	36
9	e7.6	179	158	488	251	1040	185	121	207	e7.6	86	65
10	e7.6	126	67	125	149	755	151	89	105	e7.6	51	221
11	e7.6	332	59	36	148	e240	136	84	63	e7.6	208	31
12	e14	534	93	232	151	323	173	90	62	e7.6	60	26
13	e18	230	74	232	150	e130	166	81	63	e10	30	e18
14	e8.0	406	96	148	142	e20	222	63	63	e8.0	30	e10
15	e7.6	141	59	26	224	e210	164	60	64	e7.6	29	e8.0
16	e7.6	e18	88	25	227	245	180	85	60	e230	29	e7.6
17	e19	e15	90	125	153	543	112	87	53	54	28	e7.6
18	28	e12	88	261	e27	801	160	76	e32	47	257	e7.6
19	e12	e100	660	302	e115	678	139	68	e8.0	47	40	e7.6
20	e7.6	79	667	26	208	478	207	67	e8.0	44	e21	e7.6
21	e7.6	116	231	55	267	333	126	66	e11	239	e15	e8.0
22	e7.6	55	179	100	292	276	160	62	76	58	e12	e7.6
23	e20	56	175	144	96	257	159	55	51	34	e10	e7.6
24	e15	115	151	291	94	227	116	49	e41	30	e10	e7.6
25	e7.6	106	99	253	94	300	128	47	e8.0	32	e16	e7.6
26	e7.6	391	105	63	92	316	276	61	e7.6	115	285	e7.6
27	e16	123	107	871	90	271	82	82	e7.6	52	26	e7.6
28	e20	e24	87	772	258	585	102	245	e7.6	79	e15	e62
29	e8.0	e10	96	228	708	418	225	134	e7.6	59	e12	61
30	e27	e8.0	95	249	---	305	387	130	e7.6	46	e8.0	42
31	108	---	121	834	---	315	---	69	---	98	e8.0	---
TOTAL	467.0	4106.0	4117.2	11288	11110	15643.6	5599	2972	1545.0	1381.6	1758.0	1017.6
MEAN	15.1	137	133	364	383	505	187	95.9	51.5	44.6	56.7	33.9
MAX	108	534	667	1540	2590	4440	387	245	207	239	285	221
MIN	7.6	8.0	7.6	25	27	7.6	82	47	7.6	7.6	8.0	7.6
CFSM	.08	.75	.73	2.00	2.10	2.77	1.03	.53	.28	.24	.31	.19
IN.	.10	.84	.84	2.31	2.27	3.20	1.14	.61	.32	.28	.36	.21

e Estimated

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.9	107	201	287	362	429	312	177	105	121	89.2	61.0
MAX	459	672	708	690	794	1295	1099	948	249	1271	383	264
(WY)	1965	1949	1965	1964	1961	1944	1964	1953	1957	1994	1994	1953
MIN	5.97	18.2	20.6	43.6	79.2	43.3	87.2	44.0	31.3	18.1	18.7	6.57
(WY)	1955	1988	1979	1956	1938	1981	1986	1968	1988	1968	1968	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	61756.0		61005.0		192	
ANNUAL MEAN	169		167		349	
HIGHEST ANNUAL MEAN					78.4	
LOWEST ANNUAL MEAN					1964	
HIGHEST DAILY MEAN	3820	Feb 18	4440	Mar 8	13000	Jul 6 1994
LOWEST DAILY MEAN	7.6	a	7.6	a	2.5	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	8.2	Oct 5	7.6	Jun 26-28	3.1	Oct 3 1954
INSTANTANEOUS PEAK FLOW			5380	Mar 8	b54000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			17.52	Mar 8	c39.50	Jul 6 1994
INSTANTANEOUS LOW FLOW					2.3	Oct 10 1954
ANNUAL RUNOFF (CFSM)	.93		.92		1.06	
ANNUAL RUNOFF (INCHES)	12.62		12.47		14.37	
10 PERCENT EXCEEDS	392		326		373	
50 PERCENT EXCEEDS	80		79		94	
90 PERCENT EXCEEDS	19		7.6		29	

a Many days

b From rating curve extended above 7,300 ft³/s on basis of slope-area measurement of peak flow at bridge 1.0 mi downstream.

c From floodmarks located approximately 50 feet upstream from bridge and gaging station.

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.

LOCATION.--Lat 32°40'17", long 83°36'11", Bibb-Twigg County line, Hydrologic Unit 03070103, on right bank 0.8 mi upstream from Echeconnee Creek, 4 mi northeast of Warner Robins, and 5.7 mi downstream from Tobesofkee Creek.

DRAINAGE AREA.--2,690 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year, discharge less than 3,600 ft³/s, only.

GAGE.--Water-stage recorder. Datum of gage is 244.0 ft above sea level (from topographic map).

REMARKS.--Records good to fair. Flow regulated by Lloyd Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.75 ft, July 8, 1994; minimum daily discharge, 227 ft³/s, Oct. 18, 1987 and July 27, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.96 ft, Mar. 9; minimum daily discharge, 681 ft³/s, Aug. 23.

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	858	2220	2030	2570	---	---	---	---	3260	792	1150	1180
2	830	2380	2180	3130	---	---	---	---	2290	804	940	986
3	862	2420	1750	---	---	---	---	---	1640	943	1190	815
4	1260	3150	1830	---	---	3190	---	---	1360	929	1480	803
5	---	---	1630	---	---	3030	---	---	1370	750	1350	1400
6	---	---	1880	---	---	2930	---	---	1530	796	1410	1630
7	---	---	2060	---	---	---	---	3000	1410	943	1900	1220
8	---	---	2410	---	---	---	---	3110	1360	909	2110	1000
9	---	---	3040	---	---	---	---	2280	1530	861	2040	1110
10	---	---	3140	---	---	---	---	1460	2960	1110	2350	836
11	---	---	3160	---	---	---	---	1670	---	1080	1810	916
12	---	---	2920	---	---	---	---	2150	---	772	1520	972
13	3410	---	2850	---	---	---	---	1990	---	709	2230	1090
14	3110	---	2630	---	---	---	---	1750	2760	749	1790	817
15	3090	---	2500	---	---	---	3160	1590	2640	779	1300	1020
16	3230	---	1930	---	---	---	3240	1800	2580	807	933	733
17	3350	---	1920	---	---	---	3170	1920	2510	885	1190	713
18	2040	---	1960	3460	---	---	2630	1640	2390	1220	1100	973
19	1700	---	---	3340	3020	---	2260	1630	1650	1160	974	1930
20	2000	---	---	---	3240	---	2770	1530	1720	1040	815	2030
21	1650	3290	---	---	---	---	3130	1410	2410	1230	771	1520
22	1290	3100	---	---	---	---	3320	1730	2160	1260	716	1260
23	1270	2990	---	---	2810	---	3480	1400	1180	1300	681	2080
24	1520	2910	---	---	2440	---	---	1260	947	1340	707	2850
25	1220	2880	---	---	2430	---	---	1630	929	1230	782	1890
26	1190	2570	---	---	2610	---	3270	1740	1170	984	1490	1030
27	1190	2440	---	---	3070	---	---	2650	1120	1230	2110	1060
28	1820	2470	3270	---	3040	---	---	3200	---	1180	2100	862
29	2520	2220	2730	---	---	---	---	---	1140	1300	2150	948
30	2590	2010	2300	---	---	---	---	---	999	1260	1450	1360
31	2470	---	2120	---	---	---	---	---	---	1290	1290	---
TOTAL	---	---	---	---	---	---	---	---	---	31642	43829	37034
MEAN	---	---	---	---	---	---	---	---	---	1021	1414	1234
MAX	---	---	---	---	---	---	---	---	---	1340	2350	2850
MIN	---	---	---	---	---	---	---	---	---	709	681	713

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1970 to February 1994, November 1994 to September 1995.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: October 1971 to current year.

WATER TEMPERATURE: February 1970 to current year.

DISSOLVED OXYGEN: May 1970 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 81341 are by the Environmental Protection Division of the Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 1028 are by the U.S. Geological Survey. Field determinations of Discharge are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 377 microsiemens Oct. 27, 1987; minimum recorded, 25 microsiemens Jan. 7, 1974.

pH: Maximum recorded, 8.8 units Oct. 6, 7, 8, 1993; minimum recorded, 5.2 units Jan. 14, 1972.

WATER TEMPERATURE: Maximum recorded, 34.5°C July 17, 1981, July 21, 1986; minimum recorded, 1.0°C Jan. 19, 20, 1977.

DISSOLVED OXYGEN: Maximum recorded, 16.5 mg/L Mar. 12, 1970; minimum recorded, 0.0 mg/L June 8, 9, 1971, Sept. 17, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 179 microsiemens Sept. 28; minimum, 48 microsiemens Mar. 8, 9.

pH: Maximum, 7.8 units July 10; minimum, 6.5 units Oct. 8, 9.

WATER TEMPERATURE: Maximum, 31.5°C June 24, 25, 26, July 2; minimum, 4.5 °C Feb. 9, 10.

DISSOLVED OXYGEN: Maximum, 12.0 mg/L Jan. 21, 22; minimum, 5.5 mg/L Oct. 8, June 23, 24 25; July 18, 23.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 27...	0800	1180	109	104	7.0	7.0	18.5	16.0	7.8	84
NOV 29...	0830	2140	97	91	7.0	7.0	13.0	12.5	8.9	85
JAN 02...	0915	3070	94	91	7.2	6.9	8.5	15.5	10.7	93
18...	0820	3470	99	92	7.3	6.9	8.0	15.0	10.9	93
FEB 22...	0930	--	83	78	7.0	6.9	11.0	13.5	10.2	93
MAR 21...	0940	--	61	58	6.9	6.9	9.5	5.5	9.7	86
APR 18...	0820	2780	92	86	6.7	6.7	17.0	15.5	8.2	85
MAY 16...	0735	1740	104	98	7.3	6.8	22.0	20.0	7.5	86
JUN 20...	0910	1670	112	109	7.1	6.9	28.5	27.5	6.1	80
JUL 10...	1015	1110	123	120	7.3	7.3	28.0	28.5	6.8	88
AUG 29...	0825	2200	118	116	7.1	7.1	26.5	26.5	6.4	80
SEP 25...	0705	2110	125	121	7.2	7.2	24.0	17.5	7.0	84

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 27...	50	17	11	<1.0	170	25	15
NOV 29...	75	20	<5	<1.0	50	20	14
JAN 02...	50	21	<5	1.0	230	19	22
18...	40	33	14	1.5	160000	17	20
FEB 22...	40	29	6	<1.0	80	17	12
MAR 21...	50	62	8	<1.0	330	13	33
APR 18...	40	14	16	1.3	70	19	15
MAY 16...	40	14	13	<1.0	80	21	7
JUN 20...	20	17	11	<1.0	80	25	19
JUL 10...	10	6.0	12	1.1	330	25	7
AUG 29...	30	20	16	<1.0	220	25	30
SEP 25...	30	17	11	1.2	--	26	29

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	0.750	0.050	0.25	0.30	1.0	0.080	4.0
NOV 29...	0.530	0.050	0.25	0.30	0.83	0.070	3.0
JAN 02...	0.650	0.100	0.20	0.30	0.95	0.070	2.0
18...	0.770	<0.030	0.30	0.30	1.1	0.070	3.0
FEB 22...	0.760	<0.030	0.20	0.20	0.96	0.060	2.0
MAR 21...	0.480	0.060	0.34	0.40	0.88	0.090	4.0
APR 18...	0.640	0.050	0.25	0.30	0.94	0.030	2.0
MAY 16...	0.900	0.050	0.25	0.30	1.2	0.070	2.0
JUN 20...	0.990	<0.030	0.30	0.30	1.3	0.080	4.0
JUL 10...	0.750	<0.030	0.30	0.30	1.0	0.090	2.0
AUG 29...	0.760	<0.030	0.30	0.30	1.1	0.070	3.0
SEP 25...	0.730	<0.030	0.40	0.40	1.1	0.080	3.0

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	155	137	103	91	110	96	97	93	60	58	88	79
2	154	145	102	95	104	91	96	87	59	58	85	80
3	152	140	104	94	110	93	90	87	60	56	91	85
4	145	128	97	92	110	96	89	84	---	---	97	91
5	131	101	97	85	112	94	86	84	---	---	98	90
6	102	90	87	85	109	97	91	86	---	---	97	91
7	90	74	90	87	107	97	95	91	---	---	96	61
8	74	62	90	83	108	95	94	83	---	---	61	48
9	63	61	84	81	98	93	84	82	---	---	51	48
10	65	63	82	76	98	95	86	83	---	---	53	51
11	69	65	76	72	97	95	87	85	---	---	53	52
12	74	69	73	68	103	97	91	83	65	63	56	52
13	79	74	70	68	103	99	91	82	69	65	61	56
14	81	78	68	67	104	101	89	83	71	69	64	61
15	78	74	67	65	105	101	94	85	72	69	67	64
16	76	71	66	65	117	103	94	90	71	69	70	67
17	76	69	66	65	116	106	97	91	76	71	71	65
18	101	76	67	65	111	103	100	94	78	76	66	59
19	102	92	71	67	106	93	101	96	86	78	60	57
20	105	90	77	71	94	72	106	96	85	80	60	57
21	112	90	79	76	81	72	100	88	84	80	64	59
22	120	102	80	78	87	81	93	88	83	80	68	64
23	122	106	82	78	92	87	95	91	94	82	70	68
24	107	93	79	78	93	91	97	90	102	91	71	69
25	121	93	80	75	91	88	94	88	96	90	73	70
26	125	103	86	78	90	87	90	86	99	88	75	73
27	124	109	86	82	92	88	90	82	92	87	76	73
28	118	100	91	81	92	90	82	72	95	88	75	73
29	104	94	102	87	96	91	74	70	100	87	74	70
30	99	93	109	93	101	94	70	63	---	---	71	69
31	98	91	---	---	106	94	63	60	---	---	72	71
MONTH	155	61	109	65	117	72	106	60	102	56	98	48

[illegible]

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	7.2	7.1	7.0	7.3	7.1	7.2	7.1	6.8	6.7	7.0	7.0
2	7.3	7.3	7.1	7.1	7.3	7.2	7.2	7.1	6.8	6.7	7.1	7.0
3	7.3	7.3	7.1	7.0	7.2	7.1	7.2	7.2	6.8	6.8	7.1	7.0
4	7.4	7.3	7.2	7.1	7.2	7.1	7.2	7.2	---	---	7.1	7.0
5	7.3	7.2	7.1	7.1	7.2	7.1	7.2	7.2	---	---	7.1	7.1
6	7.2	6.9	7.1	7.0	7.3	7.2	7.2	7.2	---	---	7.1	7.0
7	6.9	6.6	7.1	7.0	7.4	7.2	7.2	7.2	---	---	7.1	6.7
8	6.6	6.5	7.1	7.0	7.3	7.2	7.3	7.2	---	---	6.7	6.6
9	6.6	6.5	7.0	7.0	7.3	7.2	7.3	7.2	---	---	6.7	6.6
10	6.7	6.6	7.0	6.9	7.3	7.2	7.3	7.2	---	---	6.7	6.7
11	6.7	6.7	6.9	6.9	7.4	7.3	7.3	7.2	---	---	6.8	6.7
12	6.8	6.7	6.9	6.8	7.4	7.3	7.3	7.2	7.0	6.9	6.8	6.7
13	6.8	6.8	6.9	6.8	7.4	7.3	7.3	7.2	7.0	6.9	6.8	6.8
14	6.9	6.8	6.9	6.8	7.3	7.3	7.3	7.2	7.0	7.0	6.9	6.8
15	6.9	6.8	6.9	6.8	7.3	7.3	7.3	7.2	7.0	7.0	6.9	6.9
16	6.9	6.9	6.9	6.9	7.3	7.2	7.3	7.2	7.1	7.0	6.9	6.9
17	6.9	6.7	6.9	6.9	7.3	7.2	7.3	7.2	7.1	7.1	6.9	6.9
18	6.7	6.7	7.0	6.9	7.3	7.2	7.2	7.2	7.1	7.1	6.9	6.8
19	6.9	6.7	7.0	7.0	7.3	7.2	7.2	7.2	7.1	7.0	6.8	6.8
20	7.0	6.9	7.0	7.0	7.2	6.9	7.3	7.2	7.1	7.1	6.9	6.8
21	7.0	7.0	7.0	6.9	7.0	6.9	7.3	7.3	7.1	7.1	6.9	6.9
22	7.0	7.0	7.1	7.0	7.2	7.0	7.3	7.3	7.1	7.0	7.0	6.9
23	7.1	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.0	6.9	7.0	7.0
24	7.1	7.0	7.1	7.1	7.3	7.2	7.3	7.2	7.1	6.9	7.0	7.0
25	7.0	7.0	7.1	7.1	7.3	7.3	7.3	7.2	7.1	7.0	7.1	7.0
26	7.0	7.0	7.1	7.0	7.3	7.2	7.2	7.2	7.1	7.0	7.1	7.0
27	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1
28	7.1	6.9	7.1	7.1	7.3	7.2	7.1	6.9	7.1	7.0	7.1	7.1
29	7.0	6.9	7.1	7.0	7.2	7.1	6.9	6.9	7.1	7.0	7.1	7.1
30	7.1	7.0	7.1	7.1	7.2	7.1	6.9	6.8	---	---	7.1	7.0
31	7.1	7.0	---	---	7.2	7.1	6.8	6.7	---	---	7.1	7.0
MONTH	7.4	6.5	7.2	6.8	7.4	6.9	7.3	6.7	7.1	6.7	7.1	6.6

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	23.0	16.5	16.0	12.5	11.0	8.0	7.0	8.5	8.0	13.0	11.5
2	24.0	23.0	18.0	16.5	11.0	11.0	9.0	8.0	8.5	8.0	12.5	11.5
3	24.5	23.5	18.5	18.0	11.0	10.5	9.0	8.0	8.0	7.0	12.5	11.5
4	24.5	24.0	18.0	16.0	11.5	10.5	8.0	6.5	---	---	13.0	11.5
5	24.5	22.5	16.0	14.5	12.5	11.0	6.5	6.0	---	---	13.5	12.0
6	23.0	22.0	14.5	14.0	13.0	12.5	7.0	6.0	---	---	14.5	13.5
7	22.5	21.5	15.0	14.5	13.5	12.5	7.5	7.0	---	---	15.0	14.0
8	21.5	21.0	15.0	14.5	12.5	11.0	7.0	5.0	---	---	14.0	10.5
9	21.0	20.5	14.5	13.5	11.0	10.0	5.0	4.5	---	---	10.5	9.5
10	21.0	21.0	13.5	13.0	10.0	8.0	5.0	4.5	---	---	10.0	9.5
11	21.5	21.0	14.0	13.0	8.0	7.5	5.5	5.0	---	---	10.0	9.0
12	21.5	21.0	13.5	12.5	8.0	7.0	6.0	5.5	8.5	7.5	10.5	9.5
13	22.0	21.5	12.5	11.5	8.5	7.5	5.5	5.5	7.5	7.0	11.0	10.0
14	22.0	21.5	12.0	11.5	9.5	8.0	6.0	5.5	8.0	7.0	12.0	11.0
15	21.5	20.0	11.5	10.5	10.0	9.5	6.5	6.0	9.0	8.0	13.0	11.5
16	20.0	19.5	10.5	10.5	11.5	10.0	7.0	6.5	9.0	8.0	13.5	12.5
17	19.5	19.0	10.5	10.0	12.0	11.5	7.5	7.0	8.0	7.0	13.5	13.0
18	19.5	19.0	10.5	10.5	12.0	11.0	9.0	7.5	7.5	6.5	13.5	13.0
19	20.0	19.5	11.5	10.5	11.5	11.0	9.0	8.5	8.0	7.5	13.5	12.0
20	20.5	19.5	11.5	11.0	11.0	10.5	8.5	6.5	9.5	8.0	12.0	10.0
21	20.0	18.5	11.5	11.0	10.5	8.5	6.5	5.5	10.5	9.5	10.5	9.5
22	18.5	18.0	11.0	10.5	8.5	7.0	6.0	5.5	11.5	10.5	11.5	10.5
23	18.0	17.0	10.5	9.5	7.0	7.0	7.0	6.0	12.5	11.0	12.0	11.5
24	18.5	17.0	10.5	10.0	7.0	6.5	8.5	7.0	13.5	12.5	13.0	12.0
25	19.5	18.5	11.0	10.5	6.5	6.0	8.5	8.0	13.5	13.0	13.0	12.5
26	19.5	18.5	11.0	10.5	6.5	6.0	8.0	7.5	13.5	12.5	13.5	12.5
27	19.0	18.5	11.0	10.5	6.5	5.5	9.0	8.0	13.5	13.0	13.5	13.0
28	18.5	18.0	12.5	11.0	6.5	5.5	9.0	8.0	14.0	13.0	13.0	12.0
29	18.0	17.0	13.5	12.5	6.0	5.5	8.0	7.5	13.5	12.5	12.5	11.5
30	17.0	16.0	13.5	12.5	6.0	5.5	8.5	8.0	---	---	13.0	12.5
31	16.0	15.5	---	---	7.0	6.0	9.0	8.5	---	---	13.0	13.0
MONTH	24.5	15.5	18.5	9.5	13.5	5.5	9.0	4.5	14.0	6.5	15.0	9.0

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.0	8.5	8.3	9.9	9.3	11.3	10.6	10.7	10.5	9.7	9.3
2	7.2	7.0	8.5	8.3	10.1	9.7	10.7	10.3	10.8	10.6	9.8	9.5
3	7.0	6.9	8.3	8.0	10.0	9.5	10.5	10.3	10.8	10.7	10.0	9.0
4	7.1	6.9	8.5	8.1	10.0	9.6	11.0	10.5	---	---	10.0	9.6
5	7.2	6.9	8.7	8.4	10.0	9.3	11.4	10.9	---	---	9.9	9.6
6	7.0	6.3	8.9	8.7	9.6	9.3	11.4	11.1	---	---	9.8	8.7
7	6.3	5.7	8.8	8.6	9.4	9.1	11.1	10.8	---	---	9.0	8.2
8	5.8	5.5	8.6	8.3	9.8	9.2	11.5	10.8	---	---	9.0	8.4
9	6.3	5.8	8.7	8.4	10.0	9.8	11.8	11.5	---	---	9.6	9.0
10	6.7	6.3	8.9	8.7	10.4	9.9	11.8	11.5	---	---	9.8	9.6
11	6.6	6.3	8.9	8.5	10.8	10.4	11.7	11.5	---	---	9.9	9.8
12	6.7	6.4	8.8	8.5	10.9	10.6	11.6	11.5	10.3	10.1	9.9	9.8
13	6.7	6.7	9.0	8.8	10.9	10.7	11.8	11.4	10.6	10.3	9.9	9.7
14	6.9	6.7	9.0	8.9	10.7	10.5	11.8	11.6	10.4	10.3	9.7	9.5
15	7.1	6.8	9.2	8.9	10.6	10.3	11.7	11.5	10.3	9.8	9.6	9.3
16	7.6	7.1	9.4	9.2	10.3	9.7	11.6	11.4	10.1	9.8	9.3	9.1
17	7.6	7.3	9.6	9.4	9.9	9.6	11.6	11.2	10.6	10.1	9.1	8.9
18	7.3	6.8	9.8	9.6	10.0	9.7	11.2	10.9	10.8	10.5	8.9	8.7
19	7.7	6.9	9.8	9.6	10.1	9.8	10.9	10.7	10.9	10.3	9.0	8.7
20	7.7	7.5	9.7	9.4	9.9	9.3	11.4	10.8	10.9	10.3	9.6	9.0
21	7.7	7.3	9.6	9.3	10.0	9.3	12.0	11.4	10.3	9.9	9.9	9.6
22	7.7	7.4	9.6	9.3	10.5	10.0	12.0	11.7	9.9	9.7	9.8	9.7
23	8.0	7.7	10.1	9.6	10.8	10.5	11.8	11.6	9.7	8.9	9.8	9.5
24	8.2	8.0	10.1	9.9	10.9	10.7	11.6	11.2	9.3	8.8	9.7	9.5
25	8.0	7.6	10.0	9.8	11.0	10.8	11.3	11.0	9.4	9.2	9.5	9.2
26	7.8	7.7	9.8	9.2	11.0	10.9	11.5	11.2	9.7	9.4	9.4	9.1
27	7.8	7.7	9.8	9.5	11.1	10.8	11.4	10.8	9.7	9.5	9.3	9.2
28	7.9	7.4	9.8	9.4	11.2	11.0	10.8	10.4	9.5	9.1	9.4	9.2
29	8.1	7.4	9.4	8.9	11.2	10.9	11.2	10.8	9.5	8.7	9.5	9.4
30	8.5	8.0	9.3	9.0	11.3	11.1	11.1	10.8	---	---	9.4	9.1
31	8.6	8.4	---	---	11.3	10.9	10.8	10.5	---	---	9.3	9.1
MONTH	8.6	5.5	10.1	8.0	11.3	9.1	12.0	10.3	10.9	8.7	10.0	8.2

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, in left bank 90 ft upstream from State Highways 27 and 257, 0.6 mi upstream from Cedar Creek, 0.6 mi downstream from Long Branch, and 3.5 mi southwest of Hawkinsville.
DRAINAGE AREA.--163 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1984-86 (annual maximum), April 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 210.49 ft above sea level (from Georgia Department of Transportation). Dec. 6, 1984 to Apr. 1, 1986, crest-stage gage at site 100 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 29	0700	1,180	9.04	Mar. 8	2200	*1,280	*9.26
Feb. 4	2000	1,180	9.02	Mar. 19	2000	1,020	8.50

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	21	43	57	84	295	247	456	259	73	14	82	15
2	19	43	56	115	298	246	415	337	57	13	202	17
3	18	47	55	139	372	175	334	180	48	12	165	19
4	19	57	54	141	955	142	279	114	44	12	69	19
5	37	57	56	118	938	124	249	95	39	15	50	17
6	33	53	57	96	463	163	233	85	35	130	38	16
7	34	55	64	96	302	385	234	84	33	146	33	14
8	30	103	78	107	257	1080	232	79	37	82	40	13
9	27	109	101	122	228	1190	218	69	83	51	40	13
10	25	88	110	110	206	796	194	66	148	44	34	12
11	25	73	135	96	187	434	169	57	90	33	31	13
12	29	85	125	96	169	322	153	58	60	25	31	13
13	30	92	69	100	151	274	145	52	47	21	49	13
14	35	87	56	101	137	249	139	46	39	24	109	11
15	63	73	51	93	130	225	139	42	36	48	155	10
16	72	65	48	87	129	207	142	39	35	59	72	11
17	57	62	46	83	129	233	140	37	95	61	47	13
18	41	59	44	81	121	462	128	35	88	47	36	14
19	35	58	109	86	114	945	116	32	53	37	28	13
20	33	57	224	104	150	852	110	29	40	29	23	13
21	30	57	509	114	207	533	108	26	35	28	19	13
22	28	55	461	91	288	370	103	23	32	57	16	13
23	27	53	181	83	230	293	98	21	29	59	14	14
24	28	52	116	90	179	250	90	19	26	58	14	14
25	28	54	97	118	162	239	85	17	22	41	16	14
26	28	55	89	158	143	287	80	18	22	57	27	14
27	28	55	84	268	125	378	77	23	20	134	25	13
28	47	54	80	610	128	475	77	45	18	109	21	13
29	70	56	76	1130	171	693	103	148	17	59	20	15
30	65	58	74	692	---	773	230	280	15	41	17	37
31	49	---	73	363	---	529	---	126	---	32	15	---
TOTAL	1111	1915	3435	5772	7364	13571	5276	2541	1416	1578	1538	439
MEAN	35.8	63.8	111	186	254	438	176	82.0	47.2	50.9	49.6	14.6
MAX	72	109	509	1130	955	1190	456	337	148	146	202	37
MIN	18	43	44	81	114	124	77	17	15	12	14	10
CFSM	.22	.39	.68	1.14	1.56	2.69	1.08	.50	.29	.31	.30	.09
IN.	.25	.44	.78	1.32	1.68	3.10	1.20	.58	.32	.36	.35	.10

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	55.9	86.2	144	337	363	422	168	71.9	85.2	118	71.4	35.5
MAX	320	242	356	871	648	831	469	311	224	592	312	87.4
(WY)	1995	1993	1995	1987	1995	1993	1993	1991	1989	1994	1991	1994
MIN	12.7	24.5	30.5	39.7	56.5	106	55.9	19.3	11.7	4.17	10.9	6.91
(WY)	1988	1989	1988	1989	1989	1989	1986	1986	1988	1986	1990	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	56817.4		45956		166	
ANNUAL MEAN	156		126		243	
HIGHEST ANNUAL MEAN					56.3	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	2290	Feb 12	1190	Mar 9	5000	Jul 7 1994
LOWEST DAILY MEAN	5.6	Aug 22	10	Sep 15	1.1	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	5.9	Aug 17	12	Sep 10	1.4	Jul 20 1986
INSTANTANEOUS PEAK FLOW			1280	Mar 8	5960	Jul 7 1994
INSTANTANEOUS PEAK STAGE			9.26	Mar 8	15.17	Jul 7 1994
INSTANTANEOUS LOW FLOW			9.9	Sep 15	1.1	Jul 23 1986
ANNUAL RUNOFF (CFSM)	.95		.77		1.02	
ANNUAL RUNOFF (INCHES)	12.97		10.49		13.83	
10 PERCENT EXCEEDS	393		282		378	
50 PERCENT EXCEEDS	57		64		60	
90 PERCENT EXCEEDS	15		17		13	

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
OCT 19...	0920	35	162	162	7.2	7.4
NOV 27...	1340	55	162	164	6.7	7.6
JAN 24...	0820	81	201	123	7.2	7.5
FEB 22...	1030	299	129	89	6.9	7.0
MAR 21...	1032	541	40	78	6.9	6.8
APR 22...	1550	103	102	116	7.2	7.5
MAY 09...	1530	--	128	--	7.1	--
22...	0845	23	152	159	7.3	7.5

DATE	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)
OCT 19...	17.0	7.1	74	71	59	63
NOV 27...	10.0	9.7	87	71	58	70
JAN 24...	8.0	10.3	88	46	38	43
FEB 22...	12.5	8.6	81	30	25	28
MAR 21...	9.5	10.2	89	24	20	24
APR 22...	21.0	9.0	101	43	36	48
MAY 09...	22.0	6.7	--	56	46	--
22...	23.0	7.1	85	85	70	69

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT 19...	70	26	1.3	2.9	8	0.2	1.5
NOV 27...	73	27	1.3	2.7	7	0.1	1.0
JAN 24...	50	18	1.2	3.2	12	0.2	1.2
FEB 22...	34	12	1.0	2.8	14	0.2	1.5
MAR 21...	28	9.5	0.98	2.8	17	0.2	1.7
APR 22...	50	18	1.3	2.9	11	0.2	1.3
MAY 22...	68	25	1.4	2.9	8	0.2	0.90

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 19...	7.3	5.3	<0.10	13	99	94	9.36	0.13
NOV 27...	3.7	5.2	0.20	11	100	88	14.9	0.14
JAN 24...	3.3	6.8	<0.10	7.9	77	66	16.8	0.10
FEB 22...	3.8	5.9	<0.10	5.6	69	49	55.7	0.09
MAR 21...	2.8	5.6	<0.10	8.7	55	46	80.3	0.08
APR 22...	1.5	5.3	<0.10	6.8	77	60	21.4	0.10
MAY 22...	1.9	4.7	<0.10	11	97	93	6.02	0.13

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
OCT 19...	<0.010	0.150	<0.015	--	--
NOV 27...	<0.010	0.100	<0.015	--	--
JAN 24...	<0.010	0.290	<0.015	--	--
FEB 22...	<0.010	0.270	<0.015	0.30	--
MAR 21...	<0.010	0.270	<0.015	0.40	--
APR 22...	<0.010	0.200	0.040	0.26	0.26
MAY 22...	<0.010	0.570	<0.015	0.20	--

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 19...	<0.20	<0.20	0.010	<0.010	0.020	3.7	0.30	490	46
NOV 27...	<0.20	<0.20	0.010	<0.010	<0.010	2.7	0.20	350	41
JAN 24...	<0.20	<0.20	0.040	0.010	0.010	--	--	460	52
FEB 22...	0.30	0.20	0.030	<0.010	<0.010	4.9	0.50	140	30
MAR 21...	0.40	0.30	0.060	<0.010	0.010	7.9	1.0	840	29
APR 22...	0.30	0.30	0.020	<0.010	<0.010	4.4	0.40	320	85
MAY 22...	0.20	0.20	0.030	0.020	0.010	2.8	0.40	370	97

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	0920	35	17.0	7	0.66	86
NOV 27...	1340	55	10.0	9	1.3	47
JAN 24...	0820	81	8.0	8	1.7	100
FEB 22...	1030	299	12.5	20	16	98
MAR 21...	1032	541	9.5	29	42	96
APR 22...	1550	103	21.0	10	2.8	99

ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.

LOCATION.--Lat 31°55'06", long 82°40'26", Telfair-Jeff Davis County line, Hydrologic Unit 03070104, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft downstream from Southern Railway bridge, 1 mi upstream from Little Ocmulgee River, and 12 mi upstream from confluence with Oconee River.

DRAINAGE AREA.--5,180 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1937.

GAGE.--Water-stage recorder. Datum of gage is 87.48 ft above sea level. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Lloyds Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1841, 98,400 ft³/s, Jan. 21, 1925, from rating extended above 86,000 ft³/s on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 ft, Jan. 21, 1925, backwater from Oconee River.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 13	0845	25,100	15.15	Mar. 18	1700	*25,900	*15.32

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	2270	3110	4600	6430	6680	5520	12600	5660	3710	1970	2060	2560
2	2260	3490	4300	6240	7310	5290	12100	6500	4090	1970	2020	2660
3	2150	3780	4070	5930	8160	5230	11700	7130	4300	1920	2020	2500
4	1870	3930	3870	5480	8900	5310	11300	7520	4340	1820	2120	2280
5	1660	3930	3680	5030	9670	5430	10700	7650	4310	1710	2180	2110
6	1550	3830	3610	4820	10700	5660	10200	7440	4230	1630	2090	1980
7	1530	3800	3510	4820	12000	6410	9970	7130	3850	1650	2020	1820
8	1780	3910	3370	4870	13800	7200	9790	6720	3270	1820	2180	1720
9	2350	4120	3330	4950	15900	7970	9580	6320	2910	1890	2260	1860
10	2890	4350	3460	5060	18000	8730	9240	6120	2780	1830	2250	2120
11	3300	4550	3710	5250	20700	9040	8840	6030	2750	1800	2410	2120
12	3770	4730	3960	5510	23700	9210	8440	5840	2750	1760	2690	1920
13	4290	5000	4180	5750	24800	9680	8060	5420	2910	1710	2830	1830
14	4940	5320	4310	5940	23500	10600	7700	4640	3190	1760	2940	1720
15	5830	5600	4390	6040	20900	12500	7380	3840	3450	1760	2980	1670
16	6910	5920	4430	6100	18300	17100	7110	3540	3660	1650	2940	1680
17	8510	6360	4420	6180	15700	22600	6860	3440	3840	1560	3050	1720
18	10600	6900	4340	6290	13100	25500	6620	3290	3970	1550	3010	1650
19	11900	7640	4230	6350	10800	24900	6400	3120	3930	1570	2650	1620
20	11400	8330	4050	6310	9030	22000	6180	3060	3780	1590	2260	1550
21	9440	8970	3890	6210	7940	18900	5880	3040	3620	1640	2100	1470
22	7260	9580	4080	6070	7290	16200	5560	2970	3460	1740	2020	1530
23	5580	10200	4510	5930	6910	13700	5230	2860	3130	1810	1900	1890
24	4370	10400	4940	5810	6650	12200	4920	2760	2920	1870	1770	2200
25	3700	10200	5350	5650	6450	11500	4740	2660	3000	1970	1670	2180
26	3210	9230	5670	5480	6290	11400	4690	2650	2980	2090	1610	2050
27	2910	7960	5900	5390	6130	11600	4700	2660	2590	2170	1640	2230
28	2910	6760	6100	5450	5980	12200	4720	2640	2220	2250	1570	2520
29	2850	5730	6290	5640	5790	12900	4770	2820	2030	2280	1630	2520
30	2740	5030	6460	5860	---	13100	5040	3080	1990	2180	1880	2230
31	2770	---	6500	6220	---	13000	---	3330	---	2110	2310	---
TOTAL	139500	182660	139510	177060	351080	372580	231020	141880	99960	57030	69060	59910
MEAN	4500	6089	4500	5712	12110	12020	7701	4577	3332	1840	2228	1997
MAX	11900	10400	6500	6430	24800	25500	12600	7650	4340	2280	3050	2660
MIN	1530	3110	3330	4820	5790	5230	4690	2640	1990	1550	1570	1470
CFSM	.87	1.18	.87	1.10	2.34	2.32	1.49	.88	.64	.36	.43	.39
IN.	1.00	1.31	1.00	1.27	2.52	2.68	1.66	1.02	.72	.41	.50	.43

ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2678	2739	4764	7268	9377	11360	9757	5535	3751	3707	3284	2521
MAX	9848	11140	24070	17790	18920	25290	26590	15710	9360	22950	9067	5696
(WY)	1995	1948	1949	1946	1973	1966	1944	1964	1973	1994	1994	1949
MIN	887	910	1423	1849	2341	3219	3020	1515	1272	979	976	1178
(WY)	1955	1955	1955	1981	1989	1955	1985	1986	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	2152650		2021250			
ANNUAL MEAN	5898		5523		5542	
HIGHEST ANNUAL MEAN					9670	
LOWEST ANNUAL MEAN					2679	
HIGHEST DAILY MEAN	32600		Feb 27		90700	
LOWEST DAILY MEAN	1190		Aug 23		808	
ANNUAL SEVEN-DAY MINIMUM	1250		Aug 20		813	
INSTANTANEOUS PEAK FLOW			25900		Mar 18	
INSTANTANEOUS PEAK STAGE			15.32		Mar 18	
INSTANTANEOUS LOW FLOW			1450		Sep 21	
ANNUAL RUNOFF (CFSM)	1.14		1.07		1.07	
ANNUAL RUNOFF (INCHES)	15.46		14.52		14.54	
10 PERCENT EXCEEDS	12700		10700		11600	
50 PERCENT EXCEEDS	4120		4310		3660	
90 PERCENT EXCEEDS	1670		1820		1680	

ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1994, November 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	1315	3320	110	103	7.4	7.6	23.5	25.0	7.6	90
NOV 02...	1245	3500	113	107	7.5	7.2	19.0	30.0	8.3	90
DEC 06...	1215	3600	115	108	6.9	7.3	14.0	20.5	9.4	91
JAN 22...	1045	6080	94	89	7.0	6.9	8.5	7.0	10.2	86
FEB 27...	1020	6150	90	86	7.1	7.1	15.5	18.0	8.7	87
MAR 26...	1015	11400	66	64	6.9	6.8	14.0	19.0	8.6	83
APR 16...	0915	7140	90	84	7.1	6.8	17.5	12.0	7.6	80
MAY 14...	0915	4770	108	102	7.3	6.9	23.5	21.0	6.8	79
JUN 18...	0900	3970	106	102	7.3	6.9	26.5	28.0	7.0	88
JUL 08...	0755	1790	141	--	7.7	7.5	27.5	27.0	7.1	91
AUG 20...	0750	2300	130	131	7.2	7.4	28.0	23.5	6.7	85
SEP 17...	0750	1730	152	151	7.6	7.6	25.5	27.0	7.0	86

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 11...	50	25	17	<1.0	310	26	36
NOV 02...	75	20	8	<1.0	50	31	24
DEC 06...	70	14	18	<1.0	20	32	12
JAN 22...	50	17	7	<1.0	790	24	11
FEB 27...	80	16	12	<1.0	80	26	9
MAR 26...	90	34	22	1.3	<50	18	8
APR 16...	55	10	17	<1.0	<90	26	9
MAY 14...	45	12	22	<1.0	<20	32	13
JUN 18...	20	18	15	<1.0	90	28	22
JUL 08...	<5	17	9	<1.0	<20	45	22
AUG 20...	20	28	11	<1.0	<20	37	25
SEP 17...	5	11	<5	<1.0	<20	44	16

ALTAMAHA RIVER BASIN

02215500 OCMULGEE RIVER AT LUMBER CITY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
11...	0.530	<0.030	0.30	0.30	0.83	0.070	3.0
NOV							
02...	0.640	<0.030	0.30	0.30	0.94	0.070	3.0
DEC							
06...	0.500	<0.030	0.20	0.20	0.70	0.050	2.0
JAN							
22...	0.450	<0.030	0.20	0.20	0.65	0.040	3.0
FEB							
27...	0.470	<0.030	0.20	0.20	0.67	0.040	3.0
MAR							
26...	0.200	<0.030	0.30	0.30	0.50	0.050	6.0
APR							
16...	0.310	<0.030	0.30	0.30	0.61	<0.020	4.0
MAY							
14...	0.500	0.040	0.26	0.30	0.80	0.110	3.0
JUN							
18...	0.660	<0.030	0.20	0.20	0.86	0.040	2.0
JUL							
08...	0.640	<0.030	0.40	0.40	1.0	0.060	2.0
AUG							
20...	0.650	<0.030	0.20	0.20	0.85	0.060	2.0
SEP							
17...	0.650	<0.030	0.20	0.20	0.85	0.030	2.0

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 31°59'29", long 82°55'19", Telfair County, Hydrologic Unit 03070105, on downstream side of bridge pier on U.S. Highways 319 and 441, 4.8 mi south of McRae and 13.8 mi upstream from mouth.
DRAINAGE AREA.--49.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.17 ft above sea level (levels by Georgia Department of Transportation).

REMARKS.--Records good, except those less than 1 ft³/s, which are fair, and estimated days, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 8	0745	*640	*8.01	No other peak greater than base discharge.			

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	.00	.00	5.1	8.6	66	37	156	277	1.9	.00	.00	.00
2	.00	.00	5.6	38	61	30	133	230	1.1	.00	.00	.00
3	.00	.00	5.2	38	129	22	94	91	.45	.00	.00	.00
4	.00	.58	4.4	31	123	15	75	36	.23	.00	.00	.00
5	.00	1.1	4.1	18	135	12	66	22	.08	.00	.00	.00
6	.00	.70	4.1	13	68	80	72	15	.02	.00	.00	.00
7	.00	2.4	5.8	17	49	399	113	9.2	.01	.00	.00	.00
8	.00	32	5.9	20	43	587	96	6.1	.62	.00	.00	.00
9	.00	7.0	8.2	18	41	367	75	4.3	2.7	.00	.00	.00
10	.00	e4.0	22	14	38	243	57	6.0	5.6	.00	.00	.00
11	.00	e10	18	12	37	135	47	2.6	2.8	.00	.00	.00
12	.00	e24	16	10	33	91	40	1.6	1.4	.00	.00	.00
13	.00	e15	11	9.4	27	80	36	.98	.48	.00	.00	.00
14	.00	e9.0	8.6	8.6	25	76	35	.59	.19	.00	.00	.00
15	.00	e5.5	7.4	7.9	27	68	34	.33	.06	.00	.00	.00
16	.00	e3.8	6.5	7.4	41	69	33	.19	.02	.00	.00	.00
17	.00	e3.2	5.5	7.0	43	85	31	.07	.01	.00	.00	.00
18	.00	e2.8	5.0	7.2	38	249	27	.02	.00	.00	.00	.00
19	.00	e2.8	19	8.1	29	386	22	.00	.00	.00	.00	.00
20	.00	e2.6	19	8.7	36	332	17	.00	.00	.00	.00	.00
21	.00	e2.5	17	7.6	47	215	14	.00	.20	.00	.00	.00
22	.00	e2.6	14	8.1	47	110	12	.00	1.4	.00	.00	.00
23	.00	2.4	9.3	7.6	38	78	11	.00	.09	.00	.00	.00
24	.00	2.3	6.8	12	30	67	24	.00	.00	.00	.00	.00
25	.00	2.2	5.7	25	22	67	36	.00	.00	.00	.00	.00
26	.00	2.2	5.1	27	18	133	33	.00	.00	.00	.00	.00
27	.00	2.5	4.9	51	15	145	32	.00	.00	.00	.00	.00
28	.00	2.7	4.1	73	19	280	20	3.8	.00	.00	.00	.00
29	.00	4.1	4.0	59	36	302	31	8.5	.00	.00	.00	.00
30	.00	5.7	6.4	42	---	286	239	7.0	.00	.00	.00	.00
31	.00	---	4.3	37	---	210	---	3.6	---	.00	.00	---
TOTAL	0.00	155.68	268.0	651.2	1361	5256	1711	725.88	19.36	0.00	0.00	0.00
MEAN	.000	5.19	8.65	21.0	46.9	170	57.0	23.4	.65	.000	.000	.000
MAX	.00	32	22	73	135	587	239	277	5.6	.00	.00	.00
MIN	.00	.00	4.0	7.0	15	12	11	.00	.00	.00	.00	.00
CFSM	.00	.11	.18	.43	.95	3.44	1.16	.48	.01	.00	.00	.00
IN.	.00	.12	.20	.49	1.03	3.97	1.29	.55	.01	.00	.00	.00

e Estimated

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.5	27.5	53.3	138	122	144	55.9	21.7	19.1	18.2	23.1	9.14
MAX	212	149	160	329	232	291	140	141	92.3	84.1	215	60.5
(WY)	1995	1986	1995	1987	1992	1983	1983	1984	1995	1994	1994	1994
MIN	.000	.000	.000	.000	10.2	16.1	5.64	.000	.000	.000	.000	.000
(WY)	a	1985,92	1985	1985	1985	1985	1985	1986	1985,90	b1986	b1986	b1984

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1983 - 1996	
ANNUAL TOTAL	16888.63		10148.12			
ANNUAL MEAN	46.3		27.7		53.1	
HIGHEST ANNUAL MEAN					86.3	1995
LOWEST ANNUAL MEAN					4.71	1985
HIGHEST DAILY MEAN	1550	Feb 12	587	Mar 8	1840	Jan 13 1993
LOWEST DAILY MEAN	.00	c	.00	c	.00	d
ANNUAL SEVEN-DAY MINIMUM	.00	f	.00	f	.00	f
INSTANTANEOUS PEAK FLOW			640	Mar 8	2740	Jan 12 1993
INSTANTANEOUS PEAK STAGE			8.01	Mar 8	11.04	Jan 12 1993
INSTANTANEOUS LOW FLOW					.00	d
ANNUAL RUNOFF (CFSM)	.94		.56		1.08	
ANNUAL RUNOFF (INCHES)	12.76		7.67		14.64	
10 PERCENT EXCEEDS	120		74		157	
50 PERCENT EXCEEDS	4.1		2.7		7.1	
90 PERCENT EXCEEDS	.00		.00		.00	

a 1984, 1985, 1987, 1988, 1992, 1994, and 1996.

b Also 1990 and 1996.

c No flow on many days.

d No flow at times most years.

f Many seven-day periods with no flow.

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
NOV 21...	1320	E2.5	72	155	6.0	6.3
JAN 23...	1300	7.5	89	62	6.1	6.5
FEB 21...	1345	46	81	55	6.4	6.5
MAR 20...	1600	321	21	42	5.3	7.0
APR 22...	1215	12	42	49	6.0	6.7
MAY 21...	1530	0.0	71	65	5.8	6.2

DATE	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT MG/L AS HCO3	ALKA- LINITY WAT DIS TOT IT MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)
NOV 21...	12.0	8.0	74	5	4	--
JAN 23...	7.0	10.9	90	4	3	5.8
FEB 21...	13.0	9.6	91	5	4	5.2
MAR 20...	11.5	8.9	82	2	2	3.8
APR 22...	--	7.3	--	7	5	9.1
MAY 21...	23.5	2.2	26	10	9	14

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
NOV 21...	--	--	3.2	--	--	--	--
JAN 23...	13	2.6	1.6	4.1	36	0.5	2.4
FEB 21...	12	2.5	1.5	4.0	37	0.5	2.1
MAR 20...	8	1.7	1.0	2.8	37	0.4	1.6
APR 22...	13	2.6	1.5	3.4	33	0.4	2.1
MAY 21...	17	3.6	2.0	3.6	28	0.4	2.3

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
JAN 23...	3.2	9.4	<0.10	14	67	40	1.36	0.09
FEB 21...	3.8	8.0	<0.10	12	64	37	7.95	0.09
MAR 20...	3.0	5.6	<0.10	9.8	52	27	45.1	0.07
APR 22...	0.70	6.5	<0.10	5.7	<1	28	0.90	0.04
MAY 21...	0.70	7.5	<0.10	6.1	70	35	--	0.09

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
NOV 21...	<0.010	<0.050	<0.015	0.50	--
JAN 23...	<0.010	<0.050	<0.015	0.40	--
FEB 21...	0.010	<0.050	<0.015	0.40	--
MAR 20...	<0.010	<0.050	<0.015	0.60	--
APR 22...	<0.010	<0.050	0.040	0.76	0.56
MAY 21...	<0.010	0.050	0.160	0.94	0.84

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 21...	0.50	0.40	0.050	<0.010	<0.010	13	0.30	660	51
JAN 23...	0.40	0.40	0.050	0.020	0.020	11	0.60	450	28
FEB 21...	0.40	0.40	0.020	0.020	0.020	11	0.30	600	33
MAR 20...	0.60	0.50	0.030	0.010	0.020	15	1.4	630	64
APR 22...	0.80	0.60	0.050	0.040	0.020	16	1.9	1900	61
MAY 21...	1.1	1.0	0.090	0.060	0.030	18	--	2600	1100

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 21...	1320	E2.5	12.0	15	--	90
JAN 23...	1300	7.5	7.0	15	0.30	99
FEB 21...	1345	46	13.0	23	2.9	100
MAR 20...	1600	321	11.5	20	17	99
APR 22...	1215	12	--	16	0.52	100
MAY 21...	1530	0.0	23.5	21	--	97

ALTAMAHA RIVER BASIN

02217170 WALNUT CREEK NEAR PENDERGRASS, GA

LOCATION.--Lat 34°08'34", long 83°40'31", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 332, 2.0 mi south of Pendergrass, and 2.0 mi upstream from Oconee River

DRAINAGE AREA.--52.4 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	0845	58	66	61	6.9	7.1	7.0	7.5	11.0	92
FEB 20...	0730	77	59	55	6.9	7.0	9.0	11.0	10.2	91
MAR 19...	0600	203	56	52	6.7	6.6	12.0	11.0	9.3	90
APR 16...	0600	73	62	56	7.1	6.7	12.0	7.0	9.1	87
MAY 21...	0545	54	62	59	6.8	6.6	21.0	18.0	7.1	82
JUN 18...	0610	43	64	61	7.0	6.8	21.5	19.0	6.9	80
JUL 09...	0600	34	65	62	6.9	6.8	22.5	22.5	6.7	80
AUG 20...	0545	25	69	--	6.7	7.2	22.0	19.0	6.8	79
SEP 17...	0540	90	59	59	6.9	6.9	21.0	21.0	7.0	81

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	9.0	<1.0	<230	18	11	0.900	0.050	<0.020	<1.0
FEB 20...	18	<1.0	1300	18	31	0.940	0.100	0.040	2.0
MAR 19...	460	4.2	7900	15	963	0.770	0.290	0.580	4.0
APR 16...	13	<1.0	1100	18	105	0.740	0.040	<0.020	<1.0
MAY 21...	17	<1.0	490	19	40	0.780	<0.030	0.030	<1.0
JUN 18...	15	<1.0	460	20	45	0.720	<0.030	0.030	2.0
JUL 09...	20	<1.0	<900	21	34	0.590	<0.030	0.050	2.0
AUG 20...	15	<1.0	1100	23	21	0.620	0.040	0.040	2.0
SEP 17...	120	2.4	13000	18	232	0.510	0.040	0.220	3.0

ALTAMAHA RIVER BASIN

02217380 MULBERRY RIVER NEAR WINDER, GA.

LOCATION.--Lat 34°03'08", long 83°39'49", Barrow County-Jackson County line, Hydrologic Unit 03070101, at bridge on State Highway 11, approximately 4.5 mi northeast of Winder, 2.1 mi downstream of Cedar Creek, and 6.5 mi above mouth.

DRAINAGE AREA.--142 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	0930	193	62	59	7.0	6.7	8.0	10.5	10.8	93
FEB 20...	0800	285	63	60	6.9	6.8	10.0	11.0	9.2	84
MAR 19...	0645	480	62	58	6.7	6.6	12.0	11.0	8.7	84
APR 16...	0630	255	59	55	7.0	6.8	13.0	7.0	9.4	92
MAY 21...	0620	173	65	60	6.9	6.7	22.0	16.0	7.6	90
JUN 18...	0645	136	67	65	7.0	6.6	22.5	18.5	7.3	87
JUL 09...	0640	117	71	66	7.0	6.8	22.5	22.5	7.2	86
AUG 20...	0630	58	145	--	6.9	7.0	22.0	19.0	7.3	85
SEP 17...	0615	160	67	67	6.9	6.9	21.0	21.0	7.5	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	13	<1.0	80	16	15	0.910	0.090	<0.020	<1.0
FEB 20...	25	<1.0	110	16	33	0.940	0.060	0.040	2.0
MAR 19...	76	1.6	17000	12	132	0.780	0.070	0.120	2.0
APR 16...	14	<1.0	330	16	21	0.650	<0.030	<0.020	<1.0
MAY 21...	24	1.1	1700	15	30	0.730	0.040	0.040	2.0
JUN 18...	33	<1.0	790	18	39	0.690	0.060	0.060	3.0
JUL 09...	110	1.3	790	15	84	0.770	0.050	0.100	3.0
AUG 20...	23	<1.0	1400	24	25	0.830	0.060	0.260	3.0
SEP 17...	110	1.8	24000	17	179	0.480	<0.030	0.170	3.0

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.

LOCATION.--Lat 34°01'54", long 83°33'48", Jackson-Barrow County line, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 82, 1.7 mi downstream from Mulberry River, 3.2 mi upstream from Redstone Creek, and 3.2 mi south of Arcade.
DRAINAGE AREA.--332 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 656.52 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	2030	*9,930	*22.59	Jan. 28	0100	9,680	22.31
Nov. 8	1200	4,820	15.94	Feb. 3	1530	8,910	21.44
Nov. 12	0730	4,070	14.49	Mar. 8	0030	9,830	22.48

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	152	334	356	474	1260	466	1010	1070	361	201	222	152
2	154	1080	349	569	2350	456	857	791	352	193	222	157
3	160	1340	344	567	7700	443	755	697	348	203	192	206
4	3420	801	338	459	4140	430	708	611	349	199	206	193
5	9000	559	340	419	1550	434	669	556	386	184	189	194
6	6620	482	338	447	1230	2380	671	595	347	189	176	187
7	1730	1540	405	1680	1040	8630	667	1100	330	189	180	159
8	1040	4130	387	1250	914	7610	614	940	357	219	307	148
9	784	1790	589	782	832	2350	593	723	996	255	247	140
10	632	956	587	660	735	1450	555	616	758	215	253	176
11	493	2000	437	579	697	1190	536	584	470	191	217	179
12	415	3350	403	603	647	965	528	614	419	177	501	188
13	377	1330	383	576	592	843	536	528	466	170	345	167
14	1200	936	371	519	583	762	643	513	433	178	249	143
15	1470	739	365	492	568	765	559	502	370	194	213	131
16	692	628	367	471	542	950	527	507	334	234	198	196
17	513	562	359	454	514	883	491	489	314	204	185	503
18	440	521	369	467	508	747	481	468	307	206	177	306
19	401	492	1210	1900	499	1420	488	450	297	194	169	201
20	376	468	1060	1390	608	1250	586	433	360	170	167	166
21	368	452	657	848	630	890	1570	418	322	187	162	160
22	334	425	539	697	545	763	970	422	289	243	157	263
23	314	417	482	624	524	672	723	409	268	206	195	215
24	306	423	443	759	507	636	643	385	255	171	171	168
25	299	417	417	830	487	657	576	415	240	173	166	155
26	291	390	405	652	486	712	654	402	232	226	170	153
27	287	380	395	5840	484	651	713	465	225	207	197	154
28	381	379	384	7140	508	1330	544	479	223	208	213	197
29	331	381	370	2030	519	1110	538	498	215	216	183	412
30	291	374	384	1350	---	893	1730	413	208	198	167	289
31	300	---	377	1540	---	944	---	381	---	214	157	---
TOTAL	33571	28076	14210	37068	32199	43682	21135	17474	10831	6214	6553	6058
MEAN	1083	936	458	1196	1110	1409	704	564	361	200	211	202
MAX	9000	4130	1210	7140	7700	8630	1730	1100	996	255	501	503
MIN	152	334	338	419	484	430	481	381	208	170	157	131
CFSM	3.26	2.82	1.38	3.60	3.34	4.24	2.12	1.70	1.09	.60	.64	.61
IN.	3.76	3.15	1.59	4.15	3.61	4.89	2.37	1.96	1.21	.70	.73	.68

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	431	459	464	710	798	900	523	376	352	281	293	232
MAX	1083	1141	1300	1244	1467	1600	923	722	794	610	900	414
(WY)	1996	1993	1993	1993	1990	1990	1993	1991	1989	1989	1994	1994
MIN	51.7	116	148	247	255	248	311	142	53.8	32.9	49.4	63.8
(WY)	1988	1988	1989	1989	1989	1988	1988	1988	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	207651		257071			
ANNUAL MEAN	569		702		492	
HIGHEST ANNUAL MEAN					746	
LOWEST ANNUAL MEAN					185	
HIGHEST DAILY MEAN	9000		9000		10600	
LOWEST DAILY MEAN	78		131		16	
ANNUAL SEVEN-DAY MINIMUM	92		161		22	
INSTANTANEOUS PEAK FLOW			9930		13800	
INSTANTANEOUS PEAK STAGE			22.59		25.34	
ANNUAL RUNOFF (CFSM)	1.71		2.12		1.48	
ANNUAL RUNOFF (INCHES)	23.27		28.80		20.14	
10 PERCENT EXCEEDS	1060		1240		889	
50 PERCENT EXCEEDS	377		448		323	
90 PERCENT EXCEEDS	142		180		120	

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.--Continued

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	1000	473	65	60	7.0	7.0	7.0	9.0	10.8	90
FEB 20...	0830	556	65	60	6.9	6.8	9.0	11.0	9.4	84
MAR 19...	0715	1260	61	58	6.8	6.6	12.0	11.0	8.6	84
APR 16...	0710	537	61	56	7.0	6.9	13.0	6.0	9.2	90
MAY 21...	0650	420	67	61	7.0	6.5	21.0	16.0	7.0	81
JUN 18...	0715	311	68	67	7.1	6.7	22.0	19.0	6.7	79
JUL 09...	0710	262	69	66	7.1	6.8	23.0	22.5	6.6	79
AUG 20...	0700	166	75	74	7.0	7.1	23.0	19.0	6.5	77
SEP 17...	0645	463	62	62	6.9	6.8	21.0	21.0	7.1	82

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	16	1.1	210	18	21	0.950	0.110	0.030	<1.0
FEB 20...	26	<1.0	490	18	31	0.950	0.070	0.040	<1.0
MAR 19...	210	3.9	22000	15	334	0.760	0.200	0.360	4.0
APR 16...	17	<1.0	310	17	38	0.700	<0.030	<0.020	<1.0
MAY 21...	24	1.3	700	19	37	0.840	<0.030	0.050	2.0
JUN 18...	24	<1.0	330	20	36	0.800	<0.030	0.040	3.0
JUL 09...	28	<1.0	2300	29	47	0.710	<0.030	0.060	2.0
AUG 20...	20	<1.0	1300	23	27	0.780	<0.030	0.040	2.0
SEP 17...	120	2.2	11000	17	213	0.590	<0.030	0.190	3.0

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.--Lat 33°56'58", long 83°25'43", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 mi upstream from U.S. Highway 78 and U.S. Highway 29 Bus., 2 mi west of Athens, and 5 mi upstream from Barber Creek.

DRAINAGE AREA.--392 mi²

PERIOD OF RECORD.--October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.--WDR GA-95-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 555.66 ft above sea level. Oct. 11, 1901 to Oct. 25, 1902, nonrecording gage at site 1 mi upstream at different datum. Jan. 16, 1929 to Mar. 15, 1932 and Apr. 29, 1937 to Sept. 30, 1940, water-stage recorder at site 4 mi downstream at different datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey. Diversion upstream from station for municipal supply of Athens.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	0800	10,500	17.81	Jan. 28	1300	9,870	17.11
Nov. 8	2100	4,670	10.53	Feb. 4	0130	9,380	16.60
Nov. 12	1400	4,080	9.62	Mar. 7	2030	*11,300	18.58

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	178	436	466	573	1440	537	e1100	1250	417	224	246	168
2	168	1350	456	676	2510	524	e990	819	408	206	258	171
3	181	1550	447	734	6320	514	e860	720	401	218	229	203
4	2830	978	440	601	6940	503	e800	658	398	221	217	215
5	6880	750	443	530	1900	500	e750	618	419	206	238	199
6	9400	655	446	537	1360	2150	e740	599	407	205	205	207
7	2870	1310	495	1370	1170	7970	e740	975	389	209	203	180
8	1210	3910	511	1430	1030	10400	e690	910	398	230	277	163
9	1010	2540	612	929	923	4100	e660	712	781	270	331	155
10	900	1090	778	819	837	1650	e620	631	843	252	283	160
11	735	1910	587	733	768	1350	e590	589	504	217	254	199
12	590	3710	529	745	714	1140	e580	606	439	201	405	200
13	523	1610	496	734	664	1010	e590	560	460	210	409	193
14	1090	1090	487	668	645	898	e690	537	448	200	283	163
15	1650	946	471	636	632	848	e640	529	410	229	241	151
16	924	840	475	598	610	1030	e590	531	371	249	216	237
17	692	752	470	571	592	926	e550	518	357	259	202	453
18	581	685	476	572	583	832	e530	507	329	257	192	403
19	518	647	984	1410	581	1350	e540	494	325	236	185	263
20	476	612	1200	1650	623	1470	e660	471	323	201	179	217
21	459	590	823	971	691	1000	e1600	471	366	210	175	204
22	424	564	682	848	615	864	e1200	457	313	284	169	248
23	391	536	616	776	589	781	e840	456	293	252	196	285
24	391	544	573	816	577	720	e760	431	279	206	213	207
25	389	549	541	961	558	716	e700	470	268	207	184	186
26	373	523	525	825	557	771	e770	461	257	233	216	178
27	379	516	506	4170	547	718	e850	488	249	255	190	179
28	465	502	502	8140	562	e1500	e710	511	235	232	226	224
29	467	494	482	3370	576	e1350	e660	535	238	243	207	362
30	389	497	480	1400	---	e1050	e1800	469	235	235	185	365
31	391	---	495	1560	---	e1050	---	438	---	236	176	---
TOTAL	37924	32686	17494	40353	36114	50222	23800	18421	11560	7093	7190	6738
MEAN	1223	1090	564	1302	1245	1620	793	594	385	229	232	225
MAX	9400	3910	1200	8140	6940	10400	1800	1250	843	284	409	453
MIN	168	436	440	530	547	500	530	431	235	200	169	151
CFSM	3.12	2.78	1.44	3.32	3.18	4.13	2.02	1.52	.98	.58	.59	.57
IN.	3.60	3.10	1.66	3.83	3.43	4.77	2.26	1.75	1.10	.67	.68	.64

e Estimated

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	314	411	547	730	827	955	741	545	407	338	309	248
MAX	1223	2002	1709	1624	2365	2779	2458	1475	1611	778	1056	978
(WY)	1996	1949	1984	1972	1902	1929	1964	1976	1963	1938	1994	1929
MIN	42.3	113	123	140	251	285	233	162	63.6	25.3	40.8	46.7
(WY)	1955	1956	1956	1956	1986	1988	1986	1988	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1902 - 1996	
ANNUAL TOTAL	237335		289595		525	
ANNUAL MEAN	650		791		977	
HIGHEST ANNUAL MEAN					202	
LOWEST ANNUAL MEAN					19600	
HIGHEST DAILY MEAN	9400	Oct 6	10400	Mar 8	8.2	Feb 28 1902
LOWEST DAILY MEAN	77	Aug 19	151	Sep 15	12	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	95	Aug 14	174	Sep 9	a19600	Jul 17 1986
INSTANTANEOUS PEAK FLOW			11300	Mar 7	b25.50	Feb 28 1902
INSTANTANEOUS PEAK STAGE			18.58	Mar 7	1.34	Feb 28 1902
ANNUAL RUNOFF (CFSM)	1.66		2.02		18.18	
ANNUAL RUNOFF (INCHES)	22.52		27.48		924	
10 PERCENT EXCEEDS	1140		1350		356	
50 PERCENT EXCEEDS	469		529		148	
90 PERCENT EXCEEDS	159		205			

a Observed.

b At site and datum then in use.

ALTAMAHA RIVER BASIN

02217515 MIDDLE OCONEE RIVER AT ATHENS, GA.

LOCATION.--Lat 33°55'06", long 83°23'25", Clarke County-Oconee County line, Hydrologic Unit 03070101, at bridge on U.S. Highways 441 and 129 south of Athens, 5.5 mi upstream from North Oconee River.

DRAINAGE AREA.--397 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 17...	1015	573	62	59	7.1	7.0	8.0	7.5	11.2	96
FEB 22...	0805	620	63	60	7.1	6.9	11.0	9.0	9.9	92
MAR 21...	0800	1030	54	51	7.0	6.7	7.0	3.0	11.5	97
APR 23...	0715	E850	57	55	6.8	6.7	18.0	16.0	8.2	88
MAY 22...	0720	458	65	62	7.1	6.9	23.0	21.0	7.6	91
JUN 19...	0715	306	66	64	7.3	6.9	24.0	21.5	7.3	89
JUL 10...	0720	261	66	64	7.3	7.0	23.0	19.0	7.6	91
AUG 21...	0715	176	71	71	7.4	7.3	23.0	20.0	7.5	89
SEP 18...	0710	443	72	71	7.3	7.1	19.0	16.0	7.7	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 17...	15	1.4	110	18	12	0.920	<0.030	<0.020	<1.0
FEB 22...	24	<1.0	1100	16	30	0.910	<0.030	0.040	2.0
MAR 21...	78	<1.0	2300	13	81	0.730	0.110	0.100	3.0
APR 23...	50	<1.0	790	15	71	0.770	<0.030	0.080	2.0
MAY 22...	20	<1.0	220	19	26	0.820	<0.030	0.040	<1.0
JUN 19...	19	<1.0	490	20	22	0.780	<0.030	0.030	<1.0
JUL 10...	22	<1.0	330	20	25	0.690	<0.030	0.040	<1.0
AUG 21...	16	<1.0	130	21	14	0.690	<0.030	0.030	<1.0
SEP 18...	96	1.5	3300	17	97	0.640	<0.030	0.130	3.0

ALTAMAHA RIVER BASIN

02217610 NORTH OCONEE RIVER NEAR MAYSVILLE, GA.

LOCATION.--Lat 34°12'50", long 83°32'50", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 82, 3 mi southeast of Maysville, and 2.3 mi upstream of Gravelly Creek.

DRAINAGE AREA.--90.8 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	1045	97	68	65	7.1	7.0	7.0	11.5	11.0	92
FEB 20...	0930	260	63	60	7.0	6.9	10.0	12.0	9.8	90
MAR 19...	0830	690	95	101	7.0	6.8	11.0	6.0	9.5	91
APR 16...	0815	155	65	57	7.2	7.0	12.0	7.0	9.4	90
MAY 21...	0800	86	71	66	7.1	6.8	21.0	18.0	7.7	89
JUN 18...	0815	72	72	70	7.2	6.6	21.0	21.0	7.6	88
JUL 09...	0800	53	74	71	7.3	6.9	21.5	23.0	7.4	87
AUG 20...	0805	43	79	78	7.3	7.2	21.5	19.5	7.3	84
SEP 17...	0735	220	79	80	7.0	6.9	20.0	20.0	7.9	90

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	8.0	<1.0	210	22	12	0.810	<0.030	0.030	<1.0
FEB 20...	24	1.1	230	19	33	0.810	0.050	0.060	2.0
MAR 19...	500	7.1	54000	28	810	1.07	1.12	1.65	10
APR 16...	9.0	<1.0	330	22	14	0.570	<0.030	<0.020	<1.0
MAY 21...	26	1.3	<750	24	50	0.790	<0.030	0.080	2.0
JUN 18...	21	<1.0	330	25	33	0.670	0.070	0.070	4.0
JUL 09...	18	<1.0	1100	27	28	0.590	<0.030	0.060	<1.0
AUG 20...	36	<1.0	2300	28	63	0.670	<0.030	0.160	2.0
SEP 17...	320	>6.8	>240000	23	502	1.12	0.220	0.710	6.0

ALTAMAHA RIVER BASIN

02217646 NORTH OCONEE RIVER NEAR NICHOLSON, GA.

LOCATION.--Lat 34°07'03", long 83°28'29", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 335, 3 mi west of Nicholson, 1.6 mi downstream from Parks Creek.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	1130	120	66	62	7.2	7.0	7.0	12.0	11.3	94
FEB 20...	0900	165	64	61	7.0	7.0	9.0	12.0	10.2	91
MAR 19...	0800	290	61	58	6.9	6.7	12.0	7.0	8.9	86
APR 16...	0740	155	65	62	7.1	7.0	13.0	6.0	8.7	85
MAY 21...	0730	115	69	65	7.0	6.6	21.0	17.0	7.3	84
JUN 18...	0745	87	71	69	7.1	6.7	21.5	19.5	7.1	83
JUL 09...	0840	69	71	67	7.1	6.9	22.0	23.0	6.9	81
AUG 20...	0725	88	77	77	7.2	7.1	22.0	19.0	6.8	79
SEP 17...	0710	157	67	66	6.9	6.9	20.0	21.0	7.5	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	8.0	<1.0	130	24	12	0.750	<0.030	0.030	<1.0
FEB 20...	13	<1.0	170	21	14	0.760	<0.030	0.030	<1.0
MAR 19...	80	1.4	2200	19	100	0.610	0.120	0.270	2.0
APR 16...	12	<1.0	<150	23	18	0.500	<0.030	<0.020	<1.0
MAY 21...	26	1.1	230	23	37	0.710	<0.030	0.060	<1.0
JUN 18...	26	<1.0	130	24	31	0.610	<0.030	0.050	3.0
JUL 09...	27	<1.0	1300	25	30	0.500	<0.030	0.070	2.0
AUG 20...	29	<1.0	<510	30	32	0.570	<0.030	0.060	<1.0
SEP 17...	46	1.5	4900	24	48	0.410	<0.030	0.090	3.0

ALTAMAHA RIVER BASIN

02217740 NORTH OCONEE RIVER ABOVE ATHENS, GA

LOCATION.-Lat 33°58'28", long 83°22'56", Clarke County, Hydrologic Unit 03070101, at City of Athens water intake, 0.3 mi north of the Athens city limits.

PERIOD OF RECORD.-July 1974 to February 1994, January 1996 to September 1996.

REMARKS.-Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 17...	1130	340	61	59	7.2	6.9	8.0	7.0	10.2	87
FEB 22...	0900	470	63	55	7.0	6.8	11.0	11.0	9.2	85
MAR 21...	0850	940E	57	56	7.0	6.6	7.0	5.0	10.5	89
APR 23...	0810	810E	60	58	6.8	6.5	18.0	17.0	8.1	87
MAY 22...	0805	280E	64	59	7.0	6.8	23.0	22.0	7.7	92
JUN 19...	0815	190E	66	65	7.2	6.8	23.0	22.5	7.7	92
JUL 10...	0800	180E	67	64	7.2	6.8	23.0	20.0	7.7	92
AUG 21...	0820	130	70	70	7.2	7.1	23.0	20.0	7.5	89
SEP 18...	0800	340	62	59	7.2	7.1	19.0	18.0	8.0	88

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 17...	12	1.7	130	19	9	0.620	<0.030	<0.020	2.0
FEB 22...	26	<1.0	<4100	18	19	0.660	0.050	0.060	2.0
MAR 21...	70	1.2	4900	15	30	0.620	0.140	0.130	5.0
APR 23...	40	1.4	<1400	17	20	0.520	0.040	0.080	4.0
MAY 22...	24	<1.0	1300	21	26	0.610	<0.030	0.100	2.0
JUN 19...	20	1.2	230	24	21	0.480	0.140	0.050	2.0
JUL 10...	21	<1.0	230	23	18	0.390	0.050	0.050	2.0
AUG 21...	29	<1.0	330	26	22	0.400	<0.030	0.040	<1.0
SEP 18...	46	1.4	2300	21	47	0.310	<0.030	0.070	3.0

E estimated

ALTAMAHA RIVER BASIN

02217950 NORTH OCONEE RIVER AT WHITEHALL, GA.

LOCATION.--Lat 33°54'25", long 83°21'36", Clarke County, Hydrologic Unit 03070101, at Whitehall Road at Whitehall, south of Athens, 3 mi upstream from Middle Oconee River.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 17...	1030	420	80	76	7.2	7.1	8.0	7.0	10.9	93
FEB 22...	0835	560	74	67	7.1	6.9	11.0	9.0	9.3	86
MAR 21...	0820	1150	65	63	7.0	6.7	7.0	3.0	11.3	96
APR 23...	0745	990	69	65	6.8	6.6	18.0	16.0	7.9	85
MAY 22...	0750	340	90	82	7.0	6.8	23.0	20.0	7.4	89
JUN 19...	0730	240	97	90	7.1	6.8	23.0	21.5	7.3	87
JUL 10...	0735	225	108	99	7.3	6.8	23.0	19.0	7.2	86
AUG 21...	0740	160	128	121	7.5	6.9	24.0	20.0	7.0	84
SEP 18...	0730	380E	87	84	6.9	7.1	19.0	16.0	7.8	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 17...	11	1.6	<20	23	8	0.800	0.590	0.080	2.0
FEB 22...	23	1.9	170	20	19	0.910	0.380	0.300	2.0
MAR 21...	80	1.9	7000	17	41	0.760	0.310	0.180	4.0
APR 23...	54	2.2	2300	20	39	0.730	0.280	0.150	4.0
MAY 22...	18	3.4	400	22	19	1.36	0.440	0.140	2.0
JUN 19...	12	2.6	<710	21	13	1.52	0.580	0.150	2.0
JUL 10...	16	3.5	790	24	13	1.61	1.19	0.190	4.0
AUG 21...	12	2.6	220	25	8	2.52	0.790	0.340	3.0
SEP 18...	40	2.9	1700	22	42	0.840	0.430	0.160	3.0

E estimated

ALTAMAHA RIVER BASIN

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA

LOCATION.--Lat 33°51 '21", long 83°19'35", Oconee-Clarke County line, Hydrologic Unit 03070101, at bridge on Barnett Shoals Road, 1 mi upstream from Barnett Shoals Dam and 4 mi east of Watkinsville.

DRAINAGE AREA.--783 mi².

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 05...	0500	7700	47	46	6.8	6.5	21.0	25.0	8.2	96
NOV 07...	1050	7800	67	63	6.6	6.8	13.0	18.0	9.4	92
DEC 07...	0500	930	77	72	6.7	7.2	12.0	9.0	9.7	92
JAN 05...	0500	1400	71	70	6.9	6.7	5.0	-5.0	11.6	92
FEB 22...	0630	1700	67	64	6.9	6.8	11.0	8.0	9.9	92
MAR 21...	0730	2800	59	56	7.0	6.6	7.0	3.0	12.0	102
APR 23...	0515	2200	63	59	6.8	6.7	19.0	14.0	7.9	87
MAY 22...	0530	900	77	72	7.0	6.8	23.0	19.0	7.0	84
JUN 19...	0530	700	80	75	7.0	6.8	23.5	20.5	6.8	82
JUL 10...	0530	775	80	82	7.0	6.9	23.0	17.0	7.0	84
AUG 21...	0530	475	93	87	6.9	7.1	24.0	18.0	6.8	82
SEP 18...	0520	930	69	67	7.0	7.0	20.0	18.0	7.7	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	180	3.6	92000	9	258	0.570	0.090	0.310	7.0
NOV 07...	32	1.3	3300	16	40	0.700	0.100	0.100	3.0
DEC 07...	14	1.1	790	19	17	0.960	0.240	0.090	2.0
JAN 05...	16	1.8	700	17	14	0.920	0.460	0.070	2.0
FEB 22...	26	1.2	490	16	28	0.940	0.180	0.080	2.0
MAR 21...	90	1.4	7900	14	78	0.760	0.180	0.150	4.0
APR 23...	66	1.6	11000	17	64	0.770	0.140	0.120	3.0
MAY 22...	17	<1.0	<350	18	19	1.17	0.080	0.080	2.0
JUN 19...	15	1.0	700	20	--	1.19	0.080	0.100	2.0
JUL 10...	16	1.2	330	22	20	1.26	0.310	0.120	2.0
AUG 21...	13	<1.0	330	21	14	1.27	<0.030	0.140	2.0
SEP 18...	90	2.1	7000	17	105	0.760	0.110	0.180	3.0

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA

LOCATION.--Lat 33°43'14", long 83°17'45", Greene County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 15, 7.0 mi upstream from Greenbrier Creek, 8.0 mi northwest of Penfield, and 10.0 mi southeast of Watkinsville.
DRAINAGE AREA.--940 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1970-77 (annual maximum), August 1977 to current year.

REVISED RECORDS.--WDR GA-91-1: 1990(M).

GAGE.-Water-stage recorder. Datum of gage is 433.26 ft above sea level. Nov. 4, 1969 to July 21, 1977, crest-stage gage, and July 22, 1977 to August 1, 1990, water-stage recorder at site 300 ft upstream at same datum.

REMARKS.-Records good to fair. Some regulation at low flow from manipulation of Barnett Shoals Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 19, 1919, reached a stage of 26.9 ft, information supplied by Georgia Department of Transportation, discharge, 37,000 ft³/s, from rating curve extended above 22,000 ft³/s on basis of slope-conveyance study. Flood of Apr. 6, 1936 reached a stage of 26.7 ft, discharge, 36,000 ft³/s (revised) from rating curve extended above 22,000 ft³/s on basis of slope-conveyance study.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 7	0500	14,200	19.37	Feb. 4	2300	13,300	18.90
Nov. 9	1900	7,130	14.63	Mar. 9	0200	*18,100	21.12
Nov. 12	1600	7,630	15.03	Mar. 19	1900	4,920	12.61
Jan. 29	1400	13,100	18.74				

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	537	1180	1230	1350	4210	1350	2610	3220	960	626	623	418
2	523	1890	1170	1800	4420	1280	2560	2500	914	587	646	442
3	523	4270	1140	2240	11500	1240	2300	1980	929	602	678	481
4	2850	3330	1130	1750	12400	1200	2080	1790	972	588	654	519
5	7590	2470	1120	1480	11200	1180	1960	1610	1060	566	604	536
6	11700	1870	1120	1360	5900	2360	1970	1510	958	561	608	480
7	13000	2290	1320	2490	3300	8480	1990	1960	874	573	548	448
8	6370	5120	1350	3560	2770	16900	1870	2190	934	574	746	401
9	2510	6680	1520	2720	2470	16400	1770	1900	1200	714	756	372
10	2040	5600	1730	2070	2240	9240	1700	1630	1960	700	723	389
11	1770	3780	1590	1780	2050	4700	1640	1480	1600	615	687	421
12	1540	7240	1370	1860	1890	3350	1610	1420	1210	553	895	446
13	1420	7070	1280	1740	1750	2780	1590	1420	1130	528	1060	440
14	1550	4530	1220	1630	1680	2450	1660	1320	1150	809	889	398
15	3420	2640	1200	1530	1650	2310	1730	1280	1130	626	689	347
16	3210	2150	1190	1460	1590	2950	1640	1320	1010	774	589	378
17	2240	1900	1170	1400	1510	2590	1550	1310	958	719	536	1390
18	1680	1760	1150	1400	1470	2390	1490	1210	891	825	498	1120
19	1460	1660	1880	1850	1450	3900	1550	1170	897	712	472	790
20	1330	1580	2790	3140	1540	4230	1790	1130	1030	611	444	579
21	1260	1510	2290	2600	1670	3210	2290	1060	996	561	428	525
22	1190	1440	1780	1980	1630	2530	2850	1030	910	649	410	633
23	1110	1380	1530	1700	1520	2190	2420	984	843	647	403	652
24	1060	1380	1400	1730	1440	2000	1990	969	794	572	485	605
25	1040	1390	1320	1960	1390	1920	1770	1210	771	536	560	494
26	1020	1360	1260	1840	1350	1990	1750	1180	746	747	724	454
27	1010	1310	1240	4340	1330	1960	2060	1230	701	658	592	429
28	1310	1290	1190	9170	1410	2570	1850	1350	677	650	520	463
29	1250	1270	1160	12300	1480	3090	1620	1300	645	630	538	652
30	1120	1250	1140	8190	---	2780	2740	1190	643	640	484	899
31	1050	---	1160	4590	---	2610	---	1040	---	589	443	---
TOTAL	79683	82590	43140	89010	90210	118130	58400	45893	29493	19742	18932	16601
MEAN	2570	2753	1392	2871	3111	3811	1947	1480	983	637	611	553
MAX	13000	7240	2790	12300	12400	16900	2850	3220	1960	825	1060	1390
MIN	523	1180	1120	1350	1330	1180	1490	969	643	528	403	347
CFSM	2.73	2.93	1.48	3.05	3.31	4.05	2.07	1.57	1.05	.68	.65	.59
IN.	3.15	3.27	1.71	3.52	3.57	4.67	2.31	1.82	1.17	.78	.75	.66

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	975	1143	1289	1804	2084	2179	1628	1128	928	749	736	584
MAX	3571	3272	4029	3261	4230	4798	3897	2729	1840	1635	2481	1347
(WY)	1990	1978	1984	1978	1990	1980	1979	1980	1994	1989	1994	1992
MIN	165	275	358	595	638	689	569	366	153	93.4	116	240
(WY)	1988	1982	1989	1981	1989	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1977 - 1996	
ANNUAL TOTAL	595932		691824			
ANNUAL MEAN	1633		1890		1265	
HIGHEST ANNUAL MEAN					1961	1993
LOWEST ANNUAL MEAN					498	1986
HIGHEST DAILY MEAN	13000	Oct 7	16900	Mar 8	21900	Oct 2 1989
LOWEST DAILY MEAN	243	Aug 19	347	Sep 15	33	Aug 26 1986
ANNUAL SEVEN-DAY MINIMUM	289	Aug 14	402	Sep 9	49	Aug 5 1986
INSTANTANEOUS PEAK FLOW			18100	Mar 9	a31700	Oct 1 1989
INSTANTANEOUS PEAK STAGE			21.12	Mar 9	25.92	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.74		2.01		1.35	
ANNUAL RUNOFF (INCHES)	23.58		27.38		18.29	
10 PERCENT EXCEEDS	3080		3210		2250	
50 PERCENT EXCEEDS	1230		1350		869	
90 PERCENT EXCEEDS	468		537		326	

a From rating curve extended above 22,000 ft³/s on basis of slope-conveyance study.

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 17...	0845	1410	68	63	7.0	7.0	8.0	7.0	12.4	105
FEB 22...	0700	1660	65	61	7.1	6.9	11.0	8.0	9.7	90
MAR 21...	0620	3390	57	53	6.9	6.6	8.0	2.0	12.4	107
APR 23...	0600	2540	62	59	6.8	6.8	18.0	14.0	8.1	87
MAY 22...	0605	1080	69	71	7.1	6.8	23.5	20.5	7.2	87
JUN 19...	0610	946	75	73	7.2	6.9	24.5	22.0	6.7	82
JUL 10...	0600	723	80	78	7.1	6.9	24.0	19.0	6.9	84
AUG 21...	0600	435	87	86	7.2	7.1	24.0	19.0	6.9	83
SEP 18...	0600	1160	66	65	7.0	7.1	20.5	16.0	7.7	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 17...	16	1.6	330	20	16	0.900	0.090	0.050	<1.0
FEB 22...	25	1.3	310	16	35	0.980	0.120	0.080	2.0
MAR 21...	100	1.5	4600	15	121	0.740	0.120	0.160	4.0
APR 23...	72	1.4	4600	17	71	0.760	<0.030	0.130	3.0
MAY 22...	19	<1.0	490	19	32	0.970	<0.030	0.070	2.0
JUN 19...	13	<1.0	490	20	36	1.06	<0.030	0.070	2.0
JUL 10...	19	<1.0	220	21	40	1.10	0.060	0.110	2.0
AUG 21...	18	<1.0	250	23	24	1.32	<0.030	0.100	2.0
SEP 18...	72	1.4	7000	16	90	0.670	<0.030	0.150	3.0

ALTAMAHA RIVER BASIN

02218805 MARBURG CREEK NEAR BETHLEHEM, GA.

LOCATION.--Lat 33°54'44", long 83°33'48", Barrow County, Hydrologic Unit 03070101, at bridge on Manning Gin Road, 3.5 mi southeast of Bethlehem, and 0.4 mi upstream from Apalachee River.

DRAINAGE AREA.--26.0 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 16...	1230	70	68	64	7.1	6.6	9.0	13.0	9.2	81
FEB 20...	1045	71	66	62	6.8	6.6	10.0	13.0	8.8	80
MAR 19...	0900	134	63	59	6.6	6.2	11.0	6.0	8.5	81
APR 16...	0900	59	67	65	7.3	6.8	12.0	7.0	9.3	89
MAY 21...	0850	33	79	71	7.1	6.2	20.0	21.0	7.5	85
JUN 18...	0900	31	76	73	7.0	6.1	20.0	23.0	7.6	86
JUL 09...	0915	20	80	77	6.9	6.8	21.0	23.0	7.4	86
AUG 20...	0850	18	85	84	7.1	6.9	21.0	19.0	7.3	83
SEP 17...	0825	62	75	74	6.7	6.7	21.0	21.0	7.4	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 16...	17	2.2	700	15	22	0.900	0.400	<0.020	3.0
FEB 20...	24	1.6	230	12	24	0.990	0.210	0.110	2.0
MAR 19...	100	3.5	7000	9	194	0.840	0.240	0.270	4.0
APR 16...	9.0	1.3	2200	15	21	0.890	0.140	0.050	3.0
MAY 21...	18	2.9	940	18	27	1.14	0.240	0.130	3.0
JUN 18...	14	1.6	<510	13	21	0.880	0.110	0.080	4.0
JUL 09...	16	<1.0	2300	20	16	1.09	0.080	0.090	3.0
AUG 20...	18	1.1	490	21	23	1.20	0.060	0.120	3.0
SEP 17...	60	3.0	4900	12	96	0.660	0.060	0.230	4.0

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.--Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 ft upstream from bridge on Price Mill Road, 3.0 mi southwest of Bishop, 4.0 mi upstream from Jacks Creek, and 4.0 mi northeast of Bostwick.
DRAINAGE AREA.--176 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1944 to December 1949, April 1977 to current year.

REVISED RECORDS.--WDR GA-91-1: 1946(M), 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 544.14 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good. Some regulation at low flow from High Shoals powerplant.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	2400	*5,490	*6.51	Feb. 3	1445	3,510	5.39
Jan. 28	0515	3,410	5.32	Mar. 8	0515	4,450	5.97

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	117	190	211	311	908	264	479	647	180	102	101	85
2	96	505	205	394	1590	251	439	406	164	103	103	94
3	101	1320	196	437	3260	242	386	325	162	99	92	125
4	1660	712	190	345	2570	233	355	292	173	76	122	99
5	4600	386	217	289	925	211	338	266	162	115	127	100
6	4040	309	203	269	568	509	350	246	156	89	102	89
7	1550	645	240	636	494	2910	365	263	150	84	96	87
8	619	1230	253	702	458	3810	332	264	152	121	118	78
9	402	1030	288	462	413	1700	310	249	357	98	123	53
10	297	533	322	367	389	662	294	226	476	104	120	97
11	249	946	271	321	354	496	285	216	294	96	142	76
12	212	1590	238	369	334	429	276	211	217	90	184	72
13	216	1260	225	363	313	393	276	203	198	66	184	105
14	337	580	216	304	303	362	281	194	175	91	134	56
15	747	425	214	282	301	368	276	195	220	127	108	70
16	656	354	210	270	296	569	270	196	196	128	99	110
17	343	316	213	259	245	555	261	190	157	119	97	208
18	254	292	213	258	277	434	253	192	154	108	69	249
19	240	260	455	366	284	913	255	174	152	158	111	130
20	196	273	594	565	289	752	294	171	177	113	85	118
21	214	252	395	418	316	542	419	165	178	103	84	83
22	185	234	304	331	300	425	420	157	146	120	80	118
23	185	227	269	288	275	383	326	137	125	126	83	110
24	174	223	250	331	271	347	292	171	133	98	73	78
25	166	239	237	413	264	346	276	205	154	81	89	83
26	155	227	224	350	255	356	270	245	128	143	132	86
27	165	205	218	2100	253	342	346	390	127	109	131	68
28	240	229	215	3160	289	546	317	369	113	130	128	70
29	210	217	209	1590	293	552	272	307	115	111	116	143
30	196	216	182	625	---	449	589	221	115	102	89	134
31	174	---	211	901	---	496	---	208	---	101	69	---
TOTAL	18996	15425	7888	18076	17087	20847	9902	7701	5406	3311	3391	3074
MEAN	613	514	254	583	589	672	330	248	180	107	109	102
MAX	4600	1590	594	3160	3260	3810	589	647	476	158	184	249
MIN	96	190	182	258	245	211	253	137	113	66	69	53
CFSM	3.48	2.92	1.45	3.31	3.35	3.82	1.88	1.41	1.02	.61	.62	.58
IN.	4.02	3.26	1.67	3.82	3.61	4.41	2.09	1.63	1.14	.70	.72	.65

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	167	241	241	357	409	400	321	210	166	145	145	126
MAX	613	969	647	799	793	816	734	536	525	390	531	420
(WY)	1996	1949	1984	1946	1990	1980	1979	1980	1994	1989	1994	1994
MIN	32.0	51.0	91.5	95.6	115	132	106	63.8	29.7	14.8	20.4	27.4
(WY)	1982	1982	1988	1981	1989	1988	1986	1986	1988	1986	1986	1981

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1944 - 1996

ANNUAL TOTAL	121740		131104			
ANNUAL MEAN	334		358		245	
HIGHEST ANNUAL MEAN					367	1949
LOWEST ANNUAL MEAN					94.3	1988
HIGHEST DAILY MEAN	4600	Oct 5	4600	Oct 5	6700	Jan 7 1946
LOWEST DAILY MEAN	36	Aug 19	53	Sep 9	7.5	Aug 10 1986
ANNUAL SEVEN-DAY MINIMUM	58	Aug 14	76	Sep 9	7.9	Aug 5 1986
INSTANTANEOUS PEAK FLOW			5490	Oct 5	11200	Jan 6 1946
INSTANTANEOUS PEAK STAGE			6.51	Oct 5	8.90	Jan 6 1946
ANNUAL RUNOFF (CFSM)	1.90		2.04		1.39	
ANNUAL RUNOFF (INCHES)	25.73		27.71		18.90	
10 PERCENT EXCEEDS	617		583		416	
50 PERCENT EXCEEDS	225		238		158	
90 PERCENT EXCEEDS	88		97		64	

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to January 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 17...	0930	259	49	48	7.2	6.9	8.5	6.5	11.4	99
FEB 22...	0740	305	49	46	7.1	6.8	10.0	8.0	9.8	89
MAR 21...	0700	576	43	41	7.0	6.5	7.0	2.0	12.2	103
APR 23...	0630	347	49	47	6.9	6.7	18.0	14.0	8.4	90
MAY 22...	0645	107	54	51	7.1	6.7	22.0	19.0	7.7	91
JUN 19...	0640	144	54	52	7.2	6.8	22.0	19.5	7.7	90
JUL 10...	0635	56	57	55	7.2	6.9	22.0	16.5	7.7	90
AUG 21...	0645	38	62	61	7.3	7.1	23.0	18.0	7.6	89
SEP 18...	0630	272	56	56	7.1	7.0	19.0	16.0	7.9	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3
JAN 17...	9.0	1.1	40	13
FEB 22...	11	1.1	110	10
MAR 21...	46	<1.0	1100	10
APR 23...	19	<1.0	700	11
MAY 22...	13	<1.0	790	14
JUN 19...	12	<1.0	230	17
JUL 10...	11	<1.0	<330	18
AUG 21...	13	<1.0	330	18
SEP 18...	88	2.0	3300	13

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 17...	0.770	<0.030	0.20	0.20	0.97	<0.020	<1.0
FEB 22...	0.780	0.040	0.16	0.20	0.98	0.030	2.0
MAR 21...	0.580	0.080	0.32	0.40	0.98	0.070	4.0
APR 23...	0.560	0.050	--	--	--	0.040	2.0
MAY 22...	0.740	<0.030	0.20	0.20	0.94	0.040	2.0
JUN 19...	0.620	<0.030	0.20	0.20	0.82	0.030	2.0
JUL 10...	0.590	0.150	0.05	0.20	0.79	0.030	<1.0
AUG 21...	0.640	<0.030	0.20	0.20	0.84	0.040	2.0
SEP 18...	0.690	<0.030	0.60	0.60	1.3	0.110	4.0

ALTAMAHA RIVER BASIN

02220368 TOWN CREEK NEAR GREENSBORO, GA.

LOCATION.--Lat 33°32'56", long 83°12'32", Greene County, Hydrologic Unit 03070101, at culvert on Old Eatonton Road, 2 mi southwest of Greensboro, and 1 mi upstream from Richland Creek.

DRAINAGE AREA.--7.3 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	1730	71	115	105	7.0	6.8	11.0	10.5	10.1	93
FEB 21...	1330	6.3	215	202	7.6	7.1	11.0	21.0	11.0	100
MAR 20...	1330	37	130	123	7.3	6.9	10.0	6.5	10.3	92
APR 09...	1300	16	192	183	7.3	7.2	13.5	14.5	10.0	98
MAY 22...	1330	2.7	495	465	7.1	7.2	22.0	37.5	6.1	71
JUN 11...	1300	2.3	370	343	7.1	7.4	21.0	33.0	7.7	87
JUL 01...	1300	6.3	--	280	7.1	7.3	24.5	34.5	7.5	--
AUG 13...	1300	3.9	550	537	7.1	7.6	23.5	32.0	7.1	85
SEP 10...	1600	12	1010	1010	7.6	7.6	23.5	27.5	6.7	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	50	1.5	2800	21	41	0.620	0.060	0.220	4.0
FEB 21...	18	1.4	140	68	19	0.630	<0.030	0.500	4.0
MAR 20...	31	2.4	7000	27	26	0.270	0.040	0.200	4.0
APR 09...	9.0	1.3	<15000	38	6	0.530	0.040	0.340	3.0
MAY 22...	14	1.6	700	78	14	0.850	0.180	1.98	5.0
JUN 11...	32	1.1	1300	66	33	1.16	0.110	0.660	5.0
JUL 01...	30	1.1	490	56	38	3.21	0.060	0.940	3.0
AUG 13...	16	<1.0	490	84	16	1.76	0.080	0.830	5.0
SEP 10...	10	<1.0	790	132	7	2.48	0.090	1.48	6.0

ALTAMAHA RIVER BASIN

02220370 RICHLAND CREEK NEAR GREENSBORO, GA.

LOCATION.--Lat 33°32'32", long 83°13'25", Greene County, Hydrologic Unit 03070101, at bridge on Interstate Highway 20, approximately 3.5 mi southwest of Greensboro, and 8.1 mi upstream of Lake Oconee.

DRAINAGE AREA.--30.6 mi².

PERIOD OF RECORD.--January 1996 (discontinued).

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1500	113	104	7.6	7.5	10.0	19.0	10.6	95
DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	29	1.8	13000	38	17	0.390	0.210	0.160	4.0

ALTAMAHA RIVER BASIN

02220740 ROOTY CREEK NEAR EATONTON, GA.

LOCATION.--Lat 33°17'17", long 83°20'44", Putnam County, Hydrologic Unit 03070101, at bridge on Parks Rd, 4 mi southeast of Eatonton, approximately 5 mi upstream from Lake Sinclair.

DRAINAGE AREA.--19.3 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1315	61	121	112	7.3	7.3	10.5	19.0	10.5	95
FEB 21...	1200	16	114	107	7.4	7.0	10.5	19.5	10.6	96
MAR 20...	1245	29	118	106	7.3	6.8	10.0	8.5	10.1	91
APR 09...	1200	14	134	127	7.1	6.9	13.5	14.5	9.5	91
MAY 22...	1245	4.6	165	152	7.1	7.1	23.5	36.5	7.6	91
JUN 11...	1200	6.0	164	152	7.2	7.3	22.5	31.5	8.0	94
JUL 01...	1200	3.5	--	199	7.1	7.1	24.5	33.5	8.0	--
AUG 13...	1200	11	144	142	7.0	7.3	25.0	31.5	7.1	86
SEP 10...	1500	3.1	189	190	7.4	7.3	25.0	29.0	7.9	97

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	320	3.7	3300	33	129	1.48	0.100	0.330	4.0
FEB 21...	18	1.8	230	28	11	1.52	0.090	0.140	4.0
MAR 20...	40	5.9	11000	31	30	1.22	0.830	0.310	5.0
APR 09...	11	2.5	170	19	7	2.11	0.160	0.130	4.0
MAY 22...	12	1.5	3300	51	14	0.840	0.070	0.270	4.0
JUN 11...	14	1.8	4900	52	16	1.17	0.060	0.200	4.0
JUL 01...	8.0	1.1	1700	54	6	2.28	0.070	0.210	4.0
AUG 13...	24	3.6	2200	45	22	1.20	0.350	0.210	8.0
SEP 10...	5.0	<1.0	3300	50	4	2.17	0.030	0.240	4.0

ALTAMAHA RIVER BASIN

02220800 LITTLE RIVER NEAR GODFREY, GA.

LOCATION.--Lat 33°29'07", long 83°33'37", Morgan County, Hydrologic Unit 03070101, at bridge on State Highway 83, 4 mi northwest of Godfrey and 6.3 mi upstream from Gap Creek.

DRAINAGE AREA.--77.1 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1000	85	60	55	7.6	7.2	8.0	14.0	10.9	94
FEB 21...	0915	85	54	50	7.4	6.8	10.5	8.5	10.8	98
MAR 20...	1000	640	44	41	7.1	6.4	9.0	5.0	10.4	92
APR 09...	0830	103	54	51	7.1	6.8	12.0	10.0	9.5	90
MAY 22...	1000	49	69	64	6.9	6.9	22.5	28.5	7.6	89
JUN 11...	0900	59	63	59	7.0	6.7	21.0	24.5	7.8	88
JUL 01...	0900	31	76	74	7.1	6.8	23.5	29.0	6.8	81
AUG 13...	0900	101	58	57	6.9	7.2	23.5	26.0	7.4	88
SEP 10...	1200	24	90	91	7.2	7.0	23.0	28.0	7.8	92

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	28	1.5	<5100	19	20	0.690	0.250	0.080	2.0
FEB 21...	11	1.2	330	14	6	0.630	<0.030	0.030	2.0
MAR 20...	68	1.5	3300	11	43	0.380	0.260	0.110	3.0
APR 09...	14	1.2	170	14	9	0.660	<0.030	<0.020	2.0
MAY 22...	21	<1.0	1100	20	19	0.570	0.050	0.080	2.0
JUN 11...	27	<1.0	1300	19	27	0.480	<0.030	0.070	3.0
JUL 01...	16	<1.0	<950	21	10	0.790	<0.030	<0.020	2.0
AUG 13...	45	1.4	3300	19	51	0.320	<0.030	0.150	4.0
SEP 10...	12	<1.0	460	24	--	0.610	<0.030	0.060	2.0

ALTAMAHA RIVER BASIN

02220850 BIG INDIAN CREEK NEAR MADISON, GA.

LOCATION.--Lat 33°31'32", long 83°31'28", Morgan County, Hydrologic Unit 03070101, at bridge on State Highway 83, 5.5 mi southwest of Madison and 5.5 mi upstream from Little Indian Creek.

DRAINAGE AREA.--29.5 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	0930	37	56	51	7.7	7.1	6.5	14.0	11.7	97
FEB 21...	0830	30	54	52	7.3	6.9	9.0	8.5	10.9	95
MAR 20...	0900	220	43	41	7.0	6.3	10.0	5.0	9.7	88
APR 09...	0800	36	56	52	6.9	6.8	12.0	10.0	9.1	86
MAY 22...	0930	11	67	60	7.1	6.8	23.5	28.0	6.6	80
JUN 11...	0830	16	64	58	6.9	6.8	22.0	23.5	6.2	72
JUL 01...	0830	6.2	75	68	7.0	6.6	25.0	29.0	5.6	69
AUG 13...	0830	32	61	56	6.7	6.7	24.0	25.5	5.4	65
SEP 10...	1130	5.1	74	72	6.8	6.7	25.0	27.0	5.1	62

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	13	<1.0	790	18	6	0.340	<0.030	<0.020	2.0
FEB 21...	11	<1.0	<20	17	5	0.320	<0.030	<0.020	2.0
MAR 20...	140	1.8	9400	10	65	0.270	0.100	0.160	4.0
APR 09...	15	1.4	90	18	6	0.280	0.060	0.030	2.0
MAY 22...	7.0	1.3	<20	25	7	0.260	0.040	0.060	2.0
JUN 11...	17	1.1	<660	22	13	0.170	0.070	0.040	3.0
JUL 01...	6.0	1.6	130	29	8	0.090	0.120	<0.020	3.0
AUG 13...	95	2.3	4900	22	58	0.290	0.170	0.140	5.0
SEP 10...	7.0	2.7	170	26	5	0.110	0.200	0.070	4.0

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.

LOCATION.--Lat 33°18'50", long 83°26'14", Putnam County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 16, 0.9 mi downstream from Gladly Creek, and 3.0 mi west of Eatonton.
DRAINAGE AREA.--262 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 356.03 ft above sea level (leveling by global positioning system equipment). Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage and Aug. 2, 1977 to Aug. 25, 1987, water-stage recorder at same site and datum 4.00 ft higher.

REMARKS.--Records good, except those for the period December 8 through March 14, which are good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	1100	3,260	15.12	Feb. 2	2000	4,690	18.16
Nov. 12	1300	2,540	13.38	Mar. 7	1200	*5,660	*20.02

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	61	159	151	300	1240	347	528	623	125	65	49	59
2	60	207	148	362	2160	288	465	377	115	62	116	60
3	64	365	147	571	4220	255	415	287	112	60	80	68
4	221	501	146	385	2980	233	391	247	288	57	68	77
5	1420	297	147	287	1230	226	370	222	218	59	72	83
6	2840	212	150	253	772	598	423	205	159	58	113	79
7	1060	638	298	546	632	4130	544	191	132	59	82	64
8	408	1280	415	750	540	3760	441	186	134	58	102	58
9	264	1110	406	556	478	2030	383	180	166	57	101	61
10	198	555	451	412	419	879	345	172	212	56	113	48
11	163	955	329	342	395	643	322	160	161	52	80	48
12	143	2320	252	404	345	543	310	154	133	49	453	50
13	132	1890	221	397	313	464	302	145	128	48	383	67
14	144	767	208	319	310	427	306	142	143	54	194	51
15	186	508	198	276	305	418	298	140	151	62	131	42
16	147	391	190	254	283	482	286	141	180	75	102	42
17	122	317	181	242	260	669	264	140	149	90	87	51
18	110	277	180	249	253	636	252	135	129	75	78	72
19	102	249	1080	303	246	1050	253	128	114	65	74	58
20	98	226	1300	324	282	1460	312	123	113	61	72	47
21	99	209	674	257	286	880	324	117	133	70	71	54
22	92	210	446	228	268	585	297	113	113	66	63	134
23	87	187	344	219	261	482	262	108	99	57	58	129
24	87	186	287	294	250	427	243	105	90	47	56	82
25	89	205	254	390	230	415	227	108	88	53	74	63
26	87	184	229	311	225	465	218	141	91	77	65	54
27	92	175	211	1310	228	414	250	134	85	79	89	49
28	269	167	196	1430	312	845	220	246	78	76	75	68
29	231	162	184	997	484	797	205	294	73	85	72	110
30	149	158	181	606	---	584	448	193	68	66	67	96
31	129	---	187	1430	---	539	---	146	---	55	62	---
TOTAL	9354	15067	9791	15004	20207	25971	9904	5803	3980	1953	3302	2024
MEAN	302	502	316	484	697	838	330	187	133	63.0	107	67.5
MAX	2840	2320	1300	1430	4220	4130	544	623	288	90	453	134
MIN	60	158	146	219	225	226	205	105	68	47	49	42
CFSM	1.15	1.92	1.21	1.85	2.66	3.20	1.26	.71	.51	.24	.41	.26
IN.	1.33	2.14	1.39	2.13	2.87	3.69	1.41	.82	.57	.28	.47	.29

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	129	174	218	348	548	484	347	205	124	98.2	133	68.4
MAX	833	885	634	838	1363	1017	941	604	273	388	496	192
(WY)	1990	1993	1984	1978	1995	1990	1983	1991	1991	1994	1994	1992
MIN	6.01	39.2	54.7	77.6	101	142	94.5	51.8	22.9	14.6	9.31	13.9
(WY)	1988	1988	1989	1981	1989	1988	1986	1986	1988	1986	1988	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1977 - 1996

ANNUAL TOTAL	124128		122360									
ANNUAL MEAN	340		334									
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	7550	Feb 12	4220	Feb 3								
LOWEST DAILY MEAN	21	Aug 17,18	42	Sep 15,16								
ANNUAL SEVEN-DAY MINIMUM	24	Aug 14	50	Sep 10								
INSTANTANEOUS PEAK FLOW			5660	Mar 7								
INSTANTANEOUS PEAK STAGE			20.02	Mar 7								
ANNUAL RUNOFF (CFSM)	1.30		1.28									
ANNUAL RUNOFF (INCHES)	17.62		17.37									
10 PERCENT EXCEEDS	695		633									
50 PERCENT EXCEEDS	181		197									
90 PERCENT EXCEEDS	48		61									

a May have been less during the period of no gage-height record, Aug 2-8, 1986.

b Gage height, 24.40 ft, datum then in use.

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1115	244	69	65	7.3	7.3	7.5	15.5	12.0	101
FEB 21...	1000	287	65	62	7.4	7.0	10.0	12.0	10.6	95
MAR 20...	1100	1480	48	46	7.1	6.4	10.0	7.0	10.5	94
APR 09...	0930	386	65	62	7.1	6.9	12.5	12.0	9.8	93
MAY 22...	1100	112	81	75	6.9	6.9	23.5	32.0	7.5	89
JUN 11...	0945	161	74	71	7.1	7.1	21.5	27.0	7.9	90
JUL 01...	0945	66	89	85	7.1	7.1	24.5	30.5	8.2	100
AUG 13...	1000	407	62	62	7.1	7.1	24.0	29.0	7.6	91
SEP 10...	1250	48	92	92	7.3	7.4	25.0	28.0	7.7	94

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3
JAN 24...	15	<1.0	330	23
FEB 21...	13	<1.0	490	20
MAR 20...	120	1.7	7900	13
APR 09...	17	<1.0	460	21
MAY 22...	17	<1.0	80	28
JUN 11...	30	<1.0	230	25
JUL 01...	15	<1.0	70	31
AUG 13...	100	2.2	2300	21
SEP 10...	14	<1.0	220	32

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	0.460	0.090	0.31	0.40	0.86	0.050	2.0
FEB 21...	0.420	<0.030	--	<0.10	--	0.040	2.0
MAR 20...	0.660	0.170	0.63	0.80	1.5	0.260	4.0
APR 09...	0.360	<0.030	0.20	0.20	0.56	<0.020	2.0
MAY 22...	0.450	0.040	0.26	0.30	0.75	0.050	2.0
JUN 11...	0.380	<0.030	0.30	0.30	0.68	0.070	2.0
JUL 01...	0.500	<0.030	0.20	0.20	0.70	<0.020	2.0
AUG 13...	0.410	0.050	1.0	1.1	1.5	0.250	5.0
SEP 10...	0.390	<0.030	0.20	0.20	0.59	0.050	2.0

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.

LOCATION.--Lat 33°15'08", long 83°28'53", Putnam County, Hydrologic Unit 03070101, in left bank 300 ft upstream from bridge on county road S-777, 3.0 mi downstream from Beaverdam Creek, 5.8 mi upstream from mouth, and 7.5 mi southwest of Eatonton.

DRAINAGE AREA.--190 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 375.1 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good. Some diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 3	2200	3,310	6.50	Mar. 7	2015	*4,240	*7.54

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	44	119	104	189	1330	230	370	449	131	50	46	46
2	45	143	103	211	1510	200	314	238	119	48	86	47
3	46	220	102	306	2910	179	279	192	114	45	86	52
4	95	184	100	230	2300	168	260	171	136	43	66	83
5	795	144	100	183	847	164	244	159	136	54	72	112
6	1360	117	102	168	512	342	265	148	112	52	59	67
7	549	376	193	413	412	2920	356	139	103	49	52	54
8	170	910	198	579	355	3150	279	139	103	48	61	48
9	122	635	174	336	317	1360	243	136	139	46	64	44
10	102	273	215	253	284	526	221	128	150	48	53	51
11	88	489	161	215	262	362	207	120	114	42	68	47
12	84	1220	143	253	240	304	207	117	104	39	195	49
13	83	1270	133	238	221	266	208	112	98	38	126	60
14	96	392	130	198	219	239	214	111	117	70	89	45
15	139	250	127	179	216	222	214	109	130	65	68	41
16	96	196	123	170	208	250	208	110	116	73	60	40
17	83	165	121	163	197	533	197	108	113	63	54	55
18	77	153	117	161	179	545	192	103	100	61	50	52
19	77	144	777	214	177	785	190	97	88	53	48	43
20	74	138	1220	207	213	1120	217	92	82	47	46	39
21	75	130	538	172	205	548	223	91	81	54	43	49
22	72	122	284	161	178	362	199	95	77	51	40	263
23	69	117	219	157	166	290	186	90	71	58	39	140
24	70	121	185	204	164	255	179	84	67	48	38	80
25	73	143	166	315	160	251	170	101	64	56	77	64
26	71	124	156	224	156	326	164	139	70	159	60	55
27	75	115	147	1040	156	275	169	112	70	85	58	50
28	250	111	140	1120	199	745	154	284	62	66	66	67
29	182	111	131	563	335	666	153	350	56	86	50	131
30	111	108	128	358	---	431	397	219	53	63	56	99
31	103	---	130	1140	---	399	---	155	---	51	47	---
TOTAL	5376	8740	6667	10320	14628	18413	6879	4698	2976	1811	2023	2073
MEAN	173	291	215	333	504	594	229	152	99.2	58.4	65.3	69.1
MAX	1360	1270	1220	1140	2910	3150	397	449	150	159	195	263
MIN	44	108	100	157	156	164	153	84	53	38	38	39
CFSM	.91	1.53	1.13	1.75	2.65	3.13	1.21	.80	.52	.31	.34	.36
IN.	1.05	1.71	1.31	2.02	2.86	3.61	1.35	.92	.58	.35	.40	.41

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to January 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1145	171	68	65	7.6	7.4	7.5	17.0	10.9	92
FEB 21...	1030	208	62	58	7.5	7.0	10.5	12.5	10.1	91
MAR 20...	1130	1230	45	43	7.0	6.4	10.0	7.0	10.1	91
APR 09...	1015	242	63	59	7.1	7.0	12.5	12.5	9.5	90
MAY 22...	1130	95	78	72	7.1	6.9	23.0	32.5	7.2	85
JUN 11...	1015	113	74	69	7.1	7.1	21.0	28.0	7.7	88
JUL 01...	1015	51	84	81	7.2	7.0	24.5	31.5	7.2	87
AUG 13...	1030	128	72	71	6.9	7.3	23.5	29.0	7.2	86
SEP 10...	1320	59	83	83	7.2	7.2	23.5	29.0	7.1	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	11	<1.0	330	24	0.230	<0.030	<0.020	2.0
FEB 21...	17	<1.0	130	21	0.230	<0.030	0.030	2.0
MAR 20...	140	1.6	7900	12	0.200	<0.030	0.250	4.0
APR 09...	16	<1.0	170	28	0.190	<0.030	<0.020	<1.0
MAY 22...	22	<1.0	130	30	0.340	0.040	0.040	<1.0
JUN 11...	42	<1.0	220	28	0.260	<0.030	0.070	2.0
JUL 01...	26	<1.0	220	32	0.250	<0.030	<0.020	2.0
AUG 13...	72	<1.0	<1000	29	0.250	<0.010	0.100	4.0
SEP 10...	30	<1.0	1000	34	0.220	0.030	0.070	2.0

ALTAMAHA RIVER BASIN

02221900 BIG CEDAR CREEK NEAR EATONTON, GA.

LOCATION.--Lat 33°11'10", long 83°26'14", Putnam County-Jones County line, Hydrologic Unit 03070101, at bridge on U.S. Highway 129-State Highway 44, 11 mi southwest of Eatonton and approximately 2 mi upstream from Lake Sinclair.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 24...	1230	44	89	82	7.2	7.5	8.5	17.5	10.9	94
FEB 21...	1100	76	80	76	7.5	7.0	11.0	16.5	9.5	86
MAR 20...	1215	380	57	54	7.2	6.6	10.5	8.5	9.8	89
APR 09...	1100	88	80	78	7.0	6.9	13.0	13.0	9.0	86
MAY 22...	1215	26	106	100	7.0	7.1	24.0	35.0	6.6	80
JUN 11...	1100	39	101	94	7.1	7.2	21.5	30.5	7.1	81
JUL 01...	1045	24	114	120	7.1	7.2	25.0	32.5	5.9	72
AUG 13...	1100	59	73	72	6.9	7.2	24.0	30.0	6.6	80
SEP 10...	1410	33	115	114	7.3	7.2	24.0	30.0	6.2	74

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 24...	12	<1.0	110	36	5	0.110	<0.030	<0.020	2.0
FEB 21...	14	<1.0	<130	29	6	0.120	<0.030	<0.020	<1.0
MAR 20...	100	<1.0	<1100	17	98	0.100	<0.030	0.100	3.0
APR 09...	15	<1.0	230	35	7	0.070	<0.030	<0.020	<1.0
MAY 22...	21	<1.0	110	44	18	0.170	0.040	0.030	2.0
JUN 11...	25	<1.0	130	43	17	0.140	<0.030	<0.020	2.0
JUL 01...	17	<1.0	130	51	10	0.090	<0.030	<0.020	2.0
AUG 13...	80	1.2	1100	30	62	0.210	0.060	0.090	4.0
SEP 10...	20	<1.0	1300	48	18	0.120	<0.030	0.030	2.0

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°05'22", long 83°12'56", Baldwin County, Hydrologic Unit 03070102, on right bank at city of Milledgeville waterworks intake structure at Milledgeville, 0.5 mi upstream from bridge on State Highway 24, 3.8 mi downstream from Sinclair Dam, and at mile 139.1.

DRAINAGE AREA.--2,950 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1903 to current year.

REVISED RECORDS.--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft above sea level. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932, to Sept. 30, 1939, nonrecording gages at site 0.5 mi downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder, 0.3 mi downstream, all at present datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi upstream at different datum.

REMARKS.--Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.) Slight diurnal fluctuation and some regulation at low flow by Barnett Shoals powerplant since 1911, and prior to Sinclair Reservoir development.

AVERAGE DISCHARGE.--93 years, 3,292 ft³/s, 15.16 in/yr, adjusted for storage since 1953.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 46.7 ft in 1886 at site 0.5 mi downstream at present datum, from information furnished by Georgia Department of Transportation.

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	595	4230	625	1120	10200	4960	7620	7470	831	986	830	779
2	1050	3750	3560	2560	22000	4620	7290	7370	931	861	1280	739
3	1810	5210	951	797	48600	3640	4720	2650	504	1010	1030	712
4	4590	7310	589	2060	34000	2480	6120	569	1620	1030	1140	768
5	7340	4920	554	2500	20700	2200	4380	2020	3840	836	754	1600
6	12000	5900	661	3860	14000	3810	3320	4080	514	789	990	945
7	21000	5850	2910	4360	7710	36000	5370	4190	2490	759	1210	1170
8	14800	6420	5240	6640	7670	47300	4290	2800	2040	1160	1600	1420
9	7300	7440	2520	7550	7650	32700	4610	3320	2720	748	703	846
10	7270	7430	2790	6310	7630	21300	4750	3860	3870	764	1280	1040
11	4930	7610	3420	3240	6230	6490	4040	987	3810	724	2040	1510
12	2260	11100	2680	3680	6000	8230	2620	712	2260	745	5200	783
13	529	19300	2660	3190	5930	3890	1850	700	1590	808	2270	777
14	1280	14100	2380	2840	3260	3940	1570	2420	1520	810	1910	806
15	3640	7540	2550	4560	1890	5300	3860	2880	1630	821	2380	832
16	3680	7530	655	3860	4960	9200	3930	2100	1880	943	1530	803
17	2500	7480	1850	4310	3290	8300	2680	2640	1750	989	735	772
18	3550	7420	4890	2240	2170	7970	2830	972	2260	1380	675	777
19	3630	7350	5800	4450	2850	13600	815	677	2870	776	697	797
20	2760	7310	7620	4780	3870	10600	1580	2620	1980	710	722	813
21	641	7290	7570	3230	3010	11200	5730	2450	1660	714	712	859
22	571	7300	7550	3970	3430	7640	5880	574	1190	612	765	834
23	1640	1210	3650	3240	4100	7590	5950	556	1120	580	756	815
24	1760	1870	3070	4220	4100	7540	3920	500	1120	680	718	813
25	1480	675	580	2940	4090	7490	4280	2550	1450	857	759	793
26	1480	1970	563	4280	2760	6150	3610	1950	1330	982	757	786
27	2200	3470	565	8850	2650	4990	930	2740	1530	978	712	776
28	3250	5710	1650	17700	3050	5440	545	3840	1390	996	717	782
29	1160	4390	583	17800	4140	4840	570	2850	1310	862	763	830
30	3630	1920	621	15200	---	4810	6770	3710	1240	724	823	1680
31	3990	---	664	20300	---	6990	---	2060	---	787	780	---
TOTAL	128316	191005	81971	176637	251940	311210	116430	78817	54250	26421	37238	27657
MEAN	4139	6367	2644	5698	8688	10040	3881	2542	1808	852	1201	922
MAX	21000	19300	7620	20300	48600	47300	7620	7470	3870	1380	5200	1680
MIN	529	675	554	797	1890	2200	545	500	504	580	675	712
MEAN†	3988	5437	3290	6410	8458	10060	3961	2318	1662	969	1187	1027
CFSM†	1.35	1.84	1.12	2.17	2.87	3.41	1.34	.79	.56	.33	.40	.35
IN.†	1.55	2.05	1.28	2.50	3.09	3.92	1.49	.90	.63	.38	.46	.39

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1773	1948	2906	4581	5867	6293	4518	3013	2090	1653	1544	1209
MAX	8495	7929	7946	8879	12300	14030	11780	9288	7142	5081	6372	2811
(WY)	1990	1993	1993	1978	1995	1971	1964	1964	1963	1994	1994	1994
MIN	344	330	458	642	1454	1747	969	670	449	334	473	427
(WY)	1955	1982	1988	1956	1989	1988	1986	1986	1988	1979	1987	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1953 - 1996	
ANNUAL TOTAL	1398032		1481892			
ANNUAL MEAN	3830		4049		3103	†3125
HIGHEST ANNUAL MEAN	†3815		†4051		5581	1964
LOWEST ANNUAL MEAN					1133	1986
HIGHEST DAILY MEAN	47400		48600		81500	Feb 25 1961
LOWEST DAILY MEAN	457		500		90	Apr 3 1955
ANNUAL SEVEN-DAY MINIMUM	583		704		129	Nov 17 1953
INSTANTANEOUS PEAK FLOW			73600		122000	Feb 25 1961
INSTANTANEOUS PEAK STAGE			a37.6		42.70	Feb 25 1961
ANNUAL RUNOFF (CFSM)	1.30		1.37		1.05	†1.06
ANNUAL RUNOFF (INCHES)	17.63		†17.56		14.29	†14.39
10 PERCENT EXCEEDS	7840		7600		7190	
50 PERCENT EXCEEDS	2480		2530		1870	
90 PERCENT EXCEEDS	596		712		408	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1888	2043	3515	4813	5561	6595	4616	2952	2449	2615	2589	1776
MAX	10320	9920	9229	18190	11600	23940	22360	13370	8217	7931	13810	8787
(WY)	1930	1949	1949	1925	1929	1929	1936	1923	1912	1919	1928	1924
MIN	401	723	1232	1713	1471	1974	1923	1079	1061	798	348	239
(WY)	1939	1942	1934	1934	1938	1918	1904	1941	1914	1952	1925	1925

SUMMARY STATISTICS WATER YEARS 1903 - 1952

ANNUAL MEAN	3442	
HIGHEST ANNUAL MEAN	5726	1929
LOWEST ANNUAL MEAN	1885	1914
HIGHEST DAILY MEAN	82300	Apr 11 1936
LOWEST DAILY MEAN	90	b
ANNUAL SEVEN-DAY MINIMUM	94	Sep 7 1925
INSTANTANEOUS PEAK FLOW	c95000	Aug 16 1928
INSTANTANEOUS PEAK STAGE	a38.70	Aug 16 1928
ANNUAL RUNOFF (CFSM)	1.17	
ANNUAL RUNOFF (INCHES)	15.85	
10 PERCENT EXCEEDS	6480	
50 PERCENT EXCEEDS	2100	
90 PERCENT EXCEEDS	882	

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir

a From floodmarks.

b Aug 31 and Sep 1,7,9-13,23-25, 1925.

c From rating curve extended above 77,000 ft³/s.

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	1130	5740	63	56	7.2	7.5	8.5	13.0	11.1	95
FEB 28...	1050	4180	53	51	6.9	6.7	10.0	17.0	10.4	93
MAR 27...	0925	5240	51	49	7.0	6.7	12.0	15.0	9.3	86
APR 17...	0900	5590	52	49	7.0	6.5	15.0	15.5	8.8	88
MAY 15...	0830	644	55	51	6.9	6.5	20.0	18.5	6.8	76
JUN 19...	0830	821	58	55	6.9	6.5	26.5	26.5	6.0	76
JUL 09...	0740	774	58	55	6.9	--	28.0	26.0	6.4	83
AUG 21...	0755	724	59	56	6.7	7.0	28.5	24.5	6.8	87
SEP 18...	0800	791	60	60	7.1	7.0	27.0	19.0	7.3	93

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	18	<1.0	50	17	0.410	0.070	0.040	7.0
FEB 28...	44	<1.0	170	12	0.470	0.080	0.080	3.0
MAR 27...	52	1.2	80	14	0.430	0.070	0.070	3.0
APR 17...	50	<1.0	--	12	0.430	0.060	0.030	4.0
MAY 15...	32	<1.0	50	15	0.470	0.040	0.050	3.0
JUN 19...	8.0	<1.0	<20	15	0.300	<0.030	<0.020	2.0
JUL 09...	4.0	<1.0	50	--	0.200	0.060	<0.020	2.0
AUG 21...	2.0	<1.0	--	19	0.180	<0.030	<0.020	2.0
SEP 18...	2.0	<1.0	<20	18	0.100	<0.030	<0.020	2.0

ALTAMAHA RIVER BASIN

02223040 OCONEE RIVER NEAR HARDWICK, GA.

LOCATION.--Lat 33°01'45", long 83°11'24"; Baldwin County, Hydrologic Unit 03070102, at public boat ramp on right bank 1 mi downstream from Camp Creek, and 3 mi southeast of Hardwick.

PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Discharge obtained from gaging station 02223000, Oconee River at Milledgeville, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	1030	5700	68	63	7.2	7.3	7.5	7.5	11.0	92
FEB 28...	0950	4020	61	59	6.8	6.8	10.5	17.5	10.3	93
MAR 27...	0835	2510	55	54	6.8	6.8	12.0	14.0	8.9	83
APR 17...	0755	5290	59	56	6.9	6.5	14.5	10.0	8.5	83
MAY 15...	0745	651	60	55	6.8	6.5	20.0	15.5	6.5	71
JUN 19...	0730	806	59	58	6.8	6.5	26.5	22.5	5.6	70
JUL 09...	0645	769	64	62	6.9	--	28.0	24.5	5.8	76
AUG 21...	0700	719	65	64	6.7	7.0	28.5	20.5	6.8	87
SEP 18...	0700	776	67	65	7.1	7.1	26.5	15.0	6.9	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	18	<1.0	<20	20	0.420	0.050	0.040	6.0
FEB 28...	37	1.0	270	15	0.490	0.110	0.080	3.0
MAR 27...	48	1.2	170	15	0.470	0.090	0.070	4.0
APR 17...	6.0	2.0	--	4	0.420	0.100	0.040	4.0
MAY 15...	32	<1.0	50	16	0.460	0.050	0.060	2.0
JUN 19...	9.0	<1.0	80	16	0.330	<0.030	<0.020	2.0
JUL 09...	5.0	<1.0	330	--	0.240	0.080	0.040	2.0
AUG 21...	3.0	<1.0	--	18	0.240	<0.030	0.030	2.0
SEP 18...	2.0	<1.0	330	20	0.170	<0.030	<0.020	2.0

ALTAMAHA RIVER BASIN

02223050 TOWN CREEK NEAR MILLEDGEVILLE, GA.

LOCATION.--Lat 32°59'30", long 83°04'25", Baldwin County, Hydrologic Unit 03070102, at bridge on State Highway 24, 11 mi southeast of Milledgeville and 3 mi upstream from Oconee River.

DRAINAGE AREA.--59.9 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	1315	79	32	31	6.6	6.7	7.0	17.5	11.4	94
FEB 28...	1220	190	31	29	6.5	6.2	15.0	16.5	8.6	87
MAR 27...	1020	220	30	28	6.5	6.3	14.5	14.0	8.6	84
APR 17...	1000	125	31	--	6.5	6.2	15.0	20.0	5.8	57
MAY 15...	0930	44	34	32	6.7	6.3	18.5	18.5	7.2	77
JUN 19...	0930	32	32	33	6.6	6.2	24.0	28.0	6.6	79
JUL 09...	0840	20	34	38	6.6	--	24.5	26.5	6.9	83
AUG 21...	0840	12	32	32	6.5	6.6	23.5	26.0	6.4	75
SEP 18...	0900	11	32	34	6.6	7.0	21.0	21.0	7.0	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	6.0	<1.0	<65	24	4	0.200	<0.030	<0.020	3.0
FEB 28...	14	1.3	2300	7	27	0.140	<0.030	0.040	4.0
MAR 27...	10	<1.0	80	5	10	0.120	<0.030	<0.020	4.0
APR 17...	12	1.2	--	7	11	0.100	<0.030	<0.020	4.0
MAY 15...	18	<1.0	50	10	16	0.220	<0.030	0.040	3.0
JUN 19...	17	<1.0	130	8	16	0.200	<0.030	<0.020	3.0
JUL 09...	17	<1.0	460	--	14	0.160	<0.030	0.030	3.0
AUG 21...	13	<1.0	--	10	15	0.190	<0.030	<0.020	3.0
SEP 18...	9.0	<1.0	220	19	11	0.140	<0.030	<0.020	2.0

ALTAMAHA RIVER BASIN

02223056 OCONEE RIVER AT AVANT MINE NEAR OCONEE, GA.

LOCATION.--Lat 32°56'23", long 83°04'01", Washington County, Hydrologic Unit 03070102, on left bank, 1.1 mi downstream from Gumm Creek, 1.6 mi upstream from Bluff Creek, and 8.8 mi northwest of Oconee.

DRAINAGE AREA.-- 3,100 mi², approximately.

PERIOD OF RECORD.--November 1992 to current year, discharges less than 8,800 ft³/s only.

GAGE.-- Water-stage recorder. Datum of gage is 203.36 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records good, except for those for the period October 1 through May 20, which are fair. Flow regulated by Lake Oconee and Sinclair Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 19.24 ft Mar. 8, minimum daily discharge 612 ft³/s, July 23.

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	615	4250	1530	925	---	e4800	7350	6960	2160	1190	733	800
2	629	3640	1290	1920	---	e4800	7440	7030	810	986	758	814
3	1020	4390	3250	2260	---	e3600	6290	5130	1050	866	1110	765
4	2420	6420	906	1570	---	e2500	5570	1970	694	957	961	783
5	5940	5670	745	2090	---	e2400	5030	930	2570	1010	1040	804
6	6710	5380	698	2670	---	e3000	3740	3020	2630	949	751	1430
7	---	5770	972	4080	---	---	5590	4300	775	791	933	970
8	---	6000	4480	e4900	e8000	---	4250	3140	2450	783	1100	1110
9	---	6770	3970	e7000	7720	---	4680	3140	3180	1100	1420	1320
10	6910	6930	2340	e7400	e7600	---	4930	3630	2330	784	752	862
11	6240	7020	3130	e6400	7160	---	4890	3390	3890	737	1190	1110
12	2640	7420	3290	e3900	e6500	7550	3510	1020	2960	728	4260	1380
13	2270	---	2700	e4000	e6200	5570	2270	894	2140	748	2750	822
14	952	---	2090	e3200	e4800	4410	2150	884	1660	802	2190	796
15	2340	---	2470	3720	2670	4330	2780	2450	1650	789	1860	807
16	3370	e7500	2470	4190	e3800	7420	4090	2950	1720	818	2180	807
17	3320	7160	854	4110	e4600	8060	3650	1950	1880	903	1540	796
18	3000	7060	3790	3330	e3800	---	2770	2860	1780	933	837	772
19	3480	6990	4740	e3400	1980	---	2760	935	2530	1290	780	776
20	2890	6950	e7000	e4400	3810	---	1170	908	2620	764	790	788
21	2680	e6900	e7600	e4800	3230	---	3920	2490	1850	718	777	795
22	915	e6900	e7600	e3600	3100	---	5670	2350	1660	713	779	885
23	754	e5000	e6400	e4000	3880	7570	5770	792	1220	612	801	829
24	1720	1380	e4500	3280	4060	7400	5420	691	1130	668	786	808
25	1800	1960	e3800	e4300	4030	7340	3220	780	1180	685	825	793
26	1620	946	918	3210	3190	6970	4200	2410	1390	863	874	773
27	1620	2520	816	e6800	2770	5200	3020	2120	1320	939	837	769
28	3120	5260	969	---	e3000	6210	1030	3680	1500	927	784	766
29	2860	5110	e1600	---	e3900	5950	876	3040	1370	933	775	810
30	2080	3170	822	---	---	5330	3530	3300	1260	816	803	848
31	3620	---	783	---	---	6330	---	3250	---	712	828	---
TOTAL	---	---	88523	---	---	---	121566	82394	55359	26514	36804	26588
MEAN	---	---	2856	---	---	---	4052	2658	1845	855	1187	886
MAX	---	---	7600	---	---	---	7440	7030	3890	1290	4260	1430
MIN	---	---	698	---	---	---	876	691	694	612	733	765

e Estimated

ALTAMAHA RIVER BASIN

02223065 BLUFF CREEK NEAR OCONEE, GA.

LOCATION.--Lat 32°57'18", long 83°02'01", Washington County, Hydrologic Unit 03070102, at bridge on State Highway 272, 8 mi northwest of Oconee and 2 mi upstream from Oconee River.

DRAINAGE AREA.--12.9 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.—Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA. WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	GAGE HEIGHT (FEET)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	1430	2.53	--	48	44	6.0	6.1	9.0	18.0	8.5	73
FEB 28...	1310	2.67	--	55	53	5.9	5.9	17.0	17.5	6.6	69
MAR 27...	1100	2.58	--	31	29	5.8	5.6	15.5	13.5	6.5	65
APR 17...	1040	2.49	--	30	28	5.9	5.6	16.0	22.0	4.6	47
MAY 15...	1015	2.08	0.0	43	39	6.0	5.6	19.5	23.0	0.8	9
JUN 19...	1015	1.93	0.0	49	47	5.9	5.7	25.0	29.0	0.5	6
JUL 09...	0920	1.75	0.0	67	60	6.2	--	26.0	27.0	0.4	5
AUG 21...	0905	1.43	0.0	--	--	--	--	--	--	--	--
SEP 18...	0930	1.70	0.0	--	--	--	--	--	--	--	--

[illegible]

ALTAMAHA RIVER BASIN

02223110 BUFFALO CREEK NEAR OCONEE, GA.

LOCATION.--Lat 32°53'28", long 82°57'40", Washington County, Hydrologic Unit 03070102, on downstream side of bridge on State Highway 272, 2.4 mi downstream from Lamars Creek, 2.5 mi north of Oconee, and 3.7 mi above mouth.

DRAINAGE AREA.--291 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1993 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 191.33 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records good.

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	93	197	138	186	914	765	795	1080	232	42	37	87
2	90	162	137	212	1040	774	786	1420	182	40	41	84
3	88	152	137	275	1210	422	728	804	140	41	46	123
4	86	154	136	359	1870	314	550	421	118	44	55	133
5	98	151	136	364	1690	276	454	297	107	43	67	172
6	107	151	138	297	996	331	413	252	102	61	81	157
7	117	174	172	293	698	703	395	229	99	85	98	121
8	120	267	189	307	558	1600	368	206	110	104	129	97
9	112	358	255	388	483	3020	363	199	140	92	126	81
10	101	637	327	482	412	1370	336	336	157	78	132	70
11	93	469	261	324	366	822	312	396	174	72	132	65
12	87	333	217	266	335	583	289	239	149	66	205	61
13	85	316	188	241	306	471	272	190	125	59	252	56
14	88	548	171	235	290	418	278	158	106	50	398	52
15	102	420	163	225	277	388	270	140	95	45	344	45
16	122	269	158	204	274	390	265	133	90	46	209	40
17	140	213	153	195	269	766	255	126	86	56	145	44
18	137	186	148	195	259	1510	246	120	82	62	109	51
19	119	168	249	208	242	1790	234	113	78	62	100	51
20	108	157	363	211	248	1340	225	105	74	58	87	51
21	100	152	674	215	264	1090	224	95	73	49	73	49
22	93	146	832	213	298	802	239	88	70	44	64	49
23	88	142	440	192	315	576	250	82	67	38	57	72
24	85	140	280	196	286	457	246	76	62	35	60	102
25	84	141	223	237	262	403	227	94	57	40	65	106
26	82	140	199	277	249	410	228	123	55	45	102	92
27	85	146	186	613	237	430	226	149	53	46	172	84
28	154	149	176	1000	263	753	204	410	51	50	176	77
29	175	147	170	1970	415	896	216	461	49	45	170	95
30	236	141	164	1240	---	1110	519	495	45	42	128	172
31	265	---	166	912	---	865	---	381	---	41	104	---
TOTAL	3540	6926	7346	12532	15326	25845	10413	9418	3028	1681	3964	2539
MEAN	114	231	237	404	528	834	347	304	101	54.2	128	84.6
MAX	265	637	832	1970	1870	3020	795	1420	232	104	398	172
MIN	82	140	136	186	237	276	204	76	45	35	37	40
CFSM	.39	.79	.81	1.39	1.82	2.86	1.19	1.04	.35	.19	.44	.29
IN.	.45	.89	.94	1.60	1.96	3.30	1.33	1.20	.39	.21	.51	.32

ALTAMAHA RIVER BASIN

02223110 BUFFALO CREEK NEAR OCONEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	231	235	353	489	771	900	395	162	127	222	197	92.8
MAX	534	332	635	804	1268	1208	704	304	190	721	350	134
(WY)	1995	1995	1995	1995	1995	1993	1993	1996	1995	1994	1994	1994
MIN	43.9	143	186	259	528	666	218	82.1	63.5	44.8	43.8	36.3
(WY)	1994	1994	1994	1994	1996	1995	1995	1995	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	127547		102558			
ANNUAL MEAN	349		280		344	
HIGHEST ANNUAL MEAN					427	
LOWEST ANNUAL MEAN					280	
HIGHEST DAILY MEAN	6960		3020		6960	
LOWEST DAILY MEAN	41		35		28	
ANNUAL SEVEN-DAY MINIMUM	44		42		30	
INSTANTANEOUS PEAK FLOW			3970		a7540	
INSTANTANEOUS PEAK STAGE			14.44		15.83	
INSTANTANEOUS LOW FLOW			35		28	
ANNUAL RUNOFF (CFSM)	1.20		.96		1.18	
ANNUAL RUNOFF (INCHES)	16.30		13.11		16.06	
10 PERCENT EXCEEDS	858		648		857	
50 PERCENT EXCEEDS	153		171		180	
90 PERCENT EXCEEDS	60		55		48	

a From rating curve extended above 1300 ft³/s.

ALTAMAHA RIVER BASIN

02223110 BUFFALO CREEK NEAR OCONEE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	1530	189	196	179	6.2	6.4	6.5	18.5	10.7	87
FEB 28...	1350	266	187	179	6.1	6.0	16.0	20.5	8.6	88
MAR 27...	1145	416	113	107	6.3	6.1	15.5	13.0	7.9	79
APR 17...	1120	255	188	172	6.5	6.2	16.0	21.5	7.7	78
MAY 15...	1115	140	246	226	6.5	6.2	19.0	24.5	6.9	74
JUN 19...	1100	79	390	375	5.7	5.5	25.0	30.0	5.8	71
JUL 09...	1000	94	480	465	5.6	--	25.5	27.5	5.7	71
AUG 21...	0930	74	420	411	5.8	5.8	25.0	27.5	5.8	70
SEP 18...	0955	52	491	479	5.8	5.8	23.0	22.5	6.1	72

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	5.0	<1.0	170	6	2	1.04	1.35	0.090	4.0
FEB 28...	7.0	1.4	4900	5	8	1.06	0.200	0.190	5.0
MAR 27...	9.0	1.2	110	6	5	0.610	0.040	0.150	5.0
APR 17...	7.0	1.2	--	6	5	0.870	0.070	0.160	7.0
MAY 15...	15	<1.0	130	10	11	1.45	0.200	0.330	6.0
JUN 19...	8.0	1.9	<120	3	10	2.42	0.850	0.410	4.0
JUL 09...	7.0	1.7	330	--	12	1.54	1.34	0.130	3.0
AUG 21...	10	1.7	--	2	15	2.32	1.04	0.270	5.0
SEP 18...	8.0	2.0	<270	3	10	3.38	2.45	0.190	4.0

ALTAMAHA RIVER BASIN

02223200 COMMISSIONER CREEK AT TOOMSBORO, GA.

LOCATION.--Lat 32°49'53", long 83°04'43", Wilkinson County, Hydrologic Unit 03070102, at bridge on State Highway 112 at north city-limit of Toombsboro and 7.5 mi upstream from Oconee River.

DRAINAGE AREA.--191 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0930	E120	134	125	6.9	6.9	4.5	6.5	11.3	88
FEB 28...	0850	E125	273	260	6.5	6.4	16.0	19.5	7.1	73
MAR 27...	0730	E185	190	180	6.6	6.5	15.0	13.5	7.8	78
APR 17...	0645	E180	192	178	6.8	6.5	14.5	6.5	7.6	74
MAY 15...	0700	E50	482	448	6.6	6.5	18.0	15.0	6.6	70
JUN 19...	0630	E70	430	410	6.7	6.4	23.5	22.0	6.2	74
JUL 08...	1445	E50	620	594	6.3	6.1	24.5	30.0	6.2	75
AUG 20...	1400	E50	588	558	6.2	6.2	24.0	32.0	6.4	76
SEP 17...	1420	E65	580	483	6.4	6.4	22.5	30.5	6.8	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	8.0	<1.0	130	33	3	0.210	0.040	<0.020	5.0
FEB 28...	7.0	<1.0	330	11	53	0.420	0.050	0.020	4.0
MAR 27...	11	1.3	110	13	6	0.310	<0.030	0.030	5.0
APR 17...	11	1.3	--	15	6	0.200	<0.030	<0.020	8.0
MAY 15...	11	1.3	130	12	12	1.38	0.370	0.030	4.0
JUN 19...	10	<1.0	80	13	9	1.31	<0.030	<0.020	4.0
JUL 08...	8.0	<1.0	790	7	6	2.04	0.200	0.030	3.0
AUG 20...	6.0	<1.0	<2800	7	3	1.70	0.190	<0.020	4.0
SEP 17...	6.0	<1.0	130	7	5	1.47	0.280	<0.020	4.0

ALTAMAHA RIVER BASIN

02223248 OCONEE RIVER NEAR OCONEE, GA.

LOCATION.--Lat 32°47'14", long 82°57'26", Wilkinson County, Hydrologic Unit 03070102, on right bank 0.4 mi upstream from State Highway 57, 0.5 mi upstream from Oochee Creek, and 6 mi south of Oconee, at mile 96.6.

DRAINAGE AREA.--3,770 mi².

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

REVISED RECORDS.--WDR-GA-94-1:1993 (M).

GAGE.--Water-stage recorder. Datum of gage is 171.83 ft above sea level.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952 (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

REVISIONS.--The maximum discharges for the water years 1993 through 1995 have been revised as shown in the following table. These revisions supersede figures published in the reports for 1993 through 1995.

Water Year	Date	Discharge (ft ³ /s)	Gage height (ft)
1993	Nov. 28, 1992	41,900	23.32
1994	Aug. 20, 1994	27,600	20.92
1995	Feb. 20, 1995	62,300	25.82

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	836	e4500	2930	1290	19400	5590	9650	7250	3190	1470	871	947
2	824	4660	1510	1690	19500	6240	10500	9330	2100	1210	910	943
3	949	4350	3300	3010	18700	6060	10500	9550	1480	1090	1150	984
4	1660	5710	2170	2170	28700	4820	8590	5700	1250	1090	1140	938
5	4400	7230	1250	2750	41500	3600	7720	2240	1670	1140	1220	983
6	6560	5980	1140	3090	35400	3390	6300	2500	3640	1180	1070	1450
7	7990	6440	1280	4480	24900	5890	5440	4490	1650	1080	1070	1270
8	10400	7050	3150	5800	18100	11300	6460	4720	2230	1020	1310	1200
9	12600	7510	5430	7380	14800	39400	5640	3630	2700	1200	1620	1460
10	13200	8340	3550	8430	12500	42000	5910	3990	3290	1130	1290	1140
11	11900	8890	3440	7890	11000	32200	5960	4590	3720	972	1330	1100
12	8080	9250	3900	4980	9540	22300	5320	2440	4100	925	2610	1530
13	3370	9940	3380	4670	8240	15800	3870	1420	2900	909	4700	1150
14	1810	12100	3320	3990	7310	10800	3250	1240	2160	925	2910	948
15	1790	14300	2760	3680	4950	6770	2900	2220	2030	957	2610	948
16	3700	14900	3040	5060	3420	6680	4660	3130	2360	954	2700	944
17	4030	13400	1830	4520	5520	9600	4980	2830	2280	1020	2130	925
18	3290	11300	2320	4790	4540	11900	3880	2810	2140	1080	1440	903
19	e3700	9770	5310	3300	3380	13400	3740	1940	2450	1290	1010	881
20	e4000	8950	7100	4990	3650	14200	2440	1140	3010	1170	947	882
21	3160	8570	8780	5420	4460	14900	2670	2310	2560	918	934	894
22	e2100	8350	9400	4160	3790	14900	5840	2730	2040	881	891	956
23	e1200	7980	9610	4410	4140	13800	6530	1560	1620	857	896	979
24	e1300	3400	6320	4030	4730	12100	6730	965	1510	790	890	950
25	e2000	2390	3840	4860	4700	10800	4910	1030	1410	839	890	944
26	e1800	1870	2180	3880	4450	10200	4880	2300	1580	920	956	914
27	e1700	2040	1510	6110	3440	9170	4640	2630	1580	1040	1050	890
28	e2400	4100	1350	10200	3330	8200	2510	3820	1690	1070	1030	887
29	e3800	5950	1930	13000	4730	9330	1690	5730	1630	1090	998	927
30	e2800	4750	1540	15800	---	8920	2790	4290	1470	994	980	1200
31	e3600	---	1260	18300	---	8630	---	4700	---	920	979	---
TOTAL	130949	223970	109830	178130	332820	392890	160900	109225	67440	32131	44532	31067
MEAN	4224	7466	3543	5746	11480	12670	5363	3523	2248	1036	1437	1036
MAX	13200	14900	9610	18300	41500	42000	10500	9550	4100	1470	4700	1530
MIN	824	1870	1140	1290	3330	3390	1690	965	1250	790	871	881

e Estimated

ALTAMAHA RIVER BASIN
02223248 OCONEE RIVER NEAR OCONEE, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4052	5206	5470	6535	9770	10770	5523	2544	2301	2653	2651	1678
MAX	7306	8739	10030	10300	13710	13710	9089	3523	2944	7508	6884	3045
(WY)	1995	1993	1993	1993	1995	1993	1993	1996	1995	1994	1994	1994
MIN	626	1304	2607	3405	5002	7968	3166	1567	1720	868	660	1036
(WY)	1994	1994	1994	1994	1994	1994	1995	1994	1993	1993	1993	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	1700315		1813884			
ANNUAL MEAN	4658	†4643	4956	†4958	4538	†4552
HIGHEST ANNUAL MEAN					4956	1996
LOWEST ANNUAL MEAN					3893	1994
HIGHEST DAILY MEAN	41500	Feb 20	42000	Mar 10	42000	Mar 10 1996
LOWEST DAILY MEAN	713	Aug 17	790	Jul 24	482	Aug 3 1993
ANNUAL SEVEN-DAY MINIMUM	784	Aug 15	892	Jul 21	512	Aug 25 1993
INSTANTANEOUS PEAK FLOW			47000	Mar 9	a62300	Feb 20 1995
INSTANTANEOUS PEAK STAGE			24.02	Mar 9	b25.82	Feb 20 1995
ANNUAL RUNOFF (CFSM)	1.24	†1.23	1.31	†1.32	1.20	†1.21
ANNUAL RUNOFF (INCHES)	16.78	†16.72	17.90	†17.91	16.35	†16.40
10 PERCENT EXCEEDS	11200		10800		11700	
50 PERCENT EXCEEDS	3060		3270		3160	
90 PERCENT EXCEEDS	839		949		799	

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir.

a From rating curve extended above 43,000 ft³/s

b From floodmarks

ALTAMAHA RIVER BASIN

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.

LOCATION.--Lat 32°46'54", long 82°57'30", Wilkinson-Washington County line, Hydrologic Unit 03070102, at Balls Ferry Bridge on State Highway 57, 3.2 mi downstream from Commissioner Creek, 7.5 mi east of Toombsboro, and at mile 96.2.

DRAINAGE AREA.--3,770 mi².

PERIOD OF RECORD.--February 1979 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0745	4470	72	67	7.0	7.2	7.5	1.0	11.3	94
FEB 28...	0730	3290	77	74	6.9	6.7	12.5	18.0	9.6	90
MAR 26...	1600	10200	57	54	6.9	6.6	13.0	23.5	8.7	82
APR 16...	1440	5400	65	62	6.9	6.6	16.0	19.5	8.2	83
MAY 14...	1420	1220	110	103	6.9	6.6	21.0	23.5	7.1	79
JUN 18...	1430	2350	81	79	7.0	6.6	27.5	32.0	6.9	88
JUL 08...	1330	1030	137	134	7.0	6.8	28.0	26.0	7.1	91
AUG 20...	1245	939	127	127	6.7	7.0	28.5	31.5	6.8	88
SEP 17...	1315	931	120	119	7.1	6.7	27.0	30.5	7.4	94

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	35	8.0	<1.0	<20	18	0.430	0.060	0.060	5.0
FEB 28...	90	35	<1.0	20	14	0.500	0.060	0.070	3.0
MAR 26...	100	54	1.1	<20	12	0.420	0.040	0.080	4.0
APR 16...	90	60	<1.0	130	13	0.420	<0.030	0.060	3.0
MAY 14...	80	26	<1.0	110	18	0.640	<0.030	0.080	3.0
JUN 18...	20	16	<1.0	80	16	0.460	<0.030	0.040	2.0
JUL 08...	10	12	<1.0	70	15	0.620	0.050	0.060	3.0
AUG 20...	15	9.0	<1.0	130	16	0.460	0.040	0.040	4.0
SEP 17...	<5	10	<1.0	330	17	0.460	0.060	0.030	2.0

ALTAMAHA RIVER BASIN

02223382 OCONEE RIVER NEAR DUBLIN, GA.

LOCATION.--Lat 32°41'41", long 82°56'20", Laurens County, Hydrologic Unit 03070102, on left bank 300 ft upstream from Deep Creek, 1.6 mi downstream from Big Sandy Creek, and 12 mi north of Dublin.

DRAINAGE AREA.--4,100 mi², approximately.

PERIOD OF RECORD.--November 1992 to September 1996 (discontinued) (discharge less than 8,800 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 162.56 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are good to fair. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952 (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 22.16 ft Mar. 11; minimum daily discharge, 820 ft³/s, July 24.

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	902	4630	3300	1480	---	6010	---	6970	3610	1470	e900	1020
2	868	4920	1800	1820	---	6400	---	---	2530	1260	e900	1000
3	913	4460	2960	3110	---	6540	---	---	1530	1140	e950	1060
4	1520	5460	2720	2610	---	5250	---	7030	1420	1080	e1200	1020
5	3880	6910	1450	2810	---	4130	7960	2930	1520	1140	e1300	1040
6	6250	6250	1300	3190	---	3650	6860	2520	3550	1220	e1300	e1400
7	7160	6340	1480	4360	---	6240	5680	4520	2040	1150	e1400	e1200
8	---	6960	2850	5820	---	---	6760	4990	1960	1060	e1400	e1300
9	---	7280	5490	7120	---	---	5930	3670	2730	1170	e1500	e1500
10	---	7800	4140	7900	---	---	6060	4160	3580	1240	e1700	1290
11	---	8210	3550	7970	---	---	6140	4670	3560	1020	e1400	1140
12	---	8510	4080	5630	---	---	5750	3060	4310	960	e2000	1500
13	4290	---	3700	4950	---	---	4320	1630	3100	948	e3500	1340
14	2260	---	3530	4440	7560	---	3600	1410	2240	944	e2900	1030
15	1780	---	2840	3830	5660	---	3280	2010	2040	985	e2700	1000
16	3630	---	3180	5040	3730	7200	4800	3130	2620	989	e2500	1000
17	4120	---	2280	4800	5500	---	5270	3060	2630	1030	e2000	983
18	3650	---	2000	4960	4960	---	4350	2720	2300	1110	e1600	961
19	3900	---	5840	3690	3970	---	3960	2410	2430	1240	e1300	926
20	4130	---	7390	4970	3640	---	2990	1310	3130	1300	e1100	923
21	3340	8170	8450	5560	4820	---	2530	2070	2730	999	e970	935
22	2250	7950	---	4500	4160	---	5670	2780	2100	962	e930	1020
23	1250	7780	---	4600	4360	---	6490	1960	1710	925	e920	1070
24	1370	4490	---	4340	4940	---	6680	1110	1530	820	e910	1010
25	2160	2480	4210	4750	4930	---	5570	1120	1410	864	e910	994
26	1900	2270	2780	4410	4780	---	4850	2130	1520	935	e930	965
27	1800	1990	1780	5850	3790	---	5140	2790	1580	1080	e990	933
28	2590	3870	1590	---	3670	---	3240	3630	1650	1130	e1100	920
29	4050	5860	1940	---	4890	---	2040	5930	1640	1140	1050	967
30	2870	5220	1840	---	---	---	3160	4720	1470	1070	1040	1270
31	3670	---	1470	---	---	---	---	4880	---	977	1030	---
TOTAL	---	---	---	---	---	---	---	---	70170	33358	44330	32717
MEAN	---	---	---	---	---	---	---	---	2339	1076	1430	1091
MAX	---	---	---	---	---	---	---	---	4310	1470	3500	1500
MIN	---	---	---	---	---	---	---	---	1410	820	900	920

e Estimated

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.

LOCATION.--Lat 32°32'40", long 82°53'41", Laurens County, Hydrologic Unit 03070102, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3.

DRAINAGE AREA.--4,400 mi², approximately.

PERIOD OF RECORD.--January 1894 to September 1897 (gage heights only), October 1897 to current year. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 1504: 1898- 1903, 1905- 6, 1908-9, 1912, 1913(M), 1925(M).

GAGE.--Water-stage recorder. Datum of gage is 149.08 ft above sea level. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932, to June 17, 1934, water-stage recorder at site 420 ft downstream at datum 3.0 ft higher, Oct. 1, 1933, to July 17, 1934 corrected to present datum. July 18, 1934, to Apr. 14, 1936, water-stage recorder, April 15, 1936, to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder at site 80 ft upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Oconee and Sinclair Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Records of chemical analyses for the water years 1968-73 and continuous water temperature record collected October 1963 to September 1964 and June 1979 to September 1983 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--99 years (water years 1898-1996), 4,907 ft³/s, 15.14 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0415	38,700	25.64	Mar. 11	1930	*39,100	*25.71

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	1070	4400	3940	1820	15400	6170	10100	6640	4260	1610	998	1170
2	1010	4930	2430	2110	17700	6480	10400	8830	3090	1520	1000	1150
3	1000	4540	2330	2920	19000	6970	10600	9690	1820	1350	1090	1180
4	1350	5080	3440	3220	19500	5920	10500	9150	1710	1200	1380	1180
5	2920	6520	1860	2800	25100	4840	9490	4910	1420	1290	1310	1170
6	5710	6670	1520	3250	36000	4080	8210	2670	2940	1570	1420	1270
7	6760	6270	1700	3950	37800	6560	6510	4020	2940	1440	1340	1730
8	8030	6920	2340	5580	32800	9280	6970	5040	1750	1260	1460	1340
9	9240	7370	5070	6800	25900	11800	6490	4250	2980	1270	1680	1460
10	10200	7800	5030	7800	20100	25600	6300	4120	3600	1510	1950	1600
11	10900	8330	3730	8370	15900	37700	6400	4530	3290	1200	1480	1310
12	10800	8740	4120	6970	12900	37200	6260	4070	4270	1090	2060	1550
13	6960	9030	4080	5350	10800	30800	5010	2110	3560	1070	4560	1700
14	3320	9550	3660	4870	9040	23300	3920	1670	2720	1050	3710	1200
15	1930	10400	3110	4030	7100	16800	3650	1740	2380	1100	3020	1120
16	3040	11400	3230	4680	4530	11200	4340	2950	2620	1110	2780	1120
17	3990	12200	3000	5070	5020	9240	5340	3310	2810	1120	2730	1110
18	3910	12300	1910	4950	5520	10700	4900	2720	2570	1220	2140	1090
19	3690	11500	5300	4370	4630	11800	4090	3040	2440	1280	1370	1040
20	4050	10200	7850	4610	3570	12500	3750	1660	3010	1580	1170	1020
21	3540	9120	8770	5590	4860	13100	2540	1660	2990	1340	1110	1030
22	2940	8530	9280	5080	4540	13700	4780	2800	2420	1280	1060	1120
23	1530	8260	9560	4660	4420	14100	6380	2600	2080	1110	1020	1220
24	1280	6430	9290	4680	4960	13600	6760	1370	1700	960	1040	1150
25	2120	2880	5630	4610	5120	12500	6450	1200	1560	944	1040	1120
26	2140	2670	3890	5080	5030	11500	4850	1710	1580	1050	1070	1090
27	2010	1970	2320	5280	4270	10700	5560	2880	1780	1210	1160	1040
28	2480	3190	1960	8590	3890	10300	4380	3180	1770	1290	1230	1030
29	3840	5390	2010	10300	4660	10200	2760	5480	1840	1280	1210	1080
30	3500	5680	2360	11500	---	10400	3900	5170	1700	1250	1220	1430
31	3180	---	1820	13000	---	10200	---	4780	---	1110	1180	---
TOTAL	128440	218270	126540	171890	370060	419240	181590	119950	75600	38664	50988	36820
MEAN	4143	7276	4082	5545	12760	13520	6053	3869	2520	1247	1645	1227
MAX	10900	12300	9560	13000	37800	37700	10600	9690	4270	1610	4560	1730
MIN	1000	1970	1520	1820	3570	4080	2540	1200	1420	944	998	1020

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2263	2430	4057	6537	8605	9648	7334	4199	2847	2369	2152	1589
MAX	9883	8254	12390	11940	20620	19120	17960	13390	8439	8767	7706	3625
(WY)	1990	1993	1993	1993	1960	1971	1964	1964	1966	1963	1994	1975
MIN	469	556	827	1199	2278	2649	1493	833	560	554	647	607
(WY)	1955	1982	1988	1956	1989	1955	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1953 - 1996	
ANNUAL TOTAL	1924192		1938052			
ANNUAL MEAN	5272		5295		4482	
HIGHEST ANNUAL MEAN	†5257		†5297		7909	
LOWEST ANNUAL MEAN					1722	
HIGHEST DAILY MEAN	53100		37800		67100	
LOWEST DAILY MEAN	757		944		351	
ANNUAL SEVEN-DAY MINIMUM	841		1070		392	
INSTANTANEOUS PEAK FLOW			39100		70100	
INSTANTANEOUS PEAK STAGE			25.71		30.21	
ANNUAL RUNOFF (CFSM)	1.20		1.20		1.02	
ANNUAL RUNOFF (INCHES)	16.27		†16.23		13.84	
10 PERCENT EXCEEDS	11400		10800		10500	
50 PERCENT EXCEEDS	3340		3650		2590	
90 PERCENT EXCEEDS	987		1140		813	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2848	2733	5086	7159	8840	10560	7456	4405	3691	3860	3751	2789
MAX	19950	8725	20580	34640	19780	42160	32310	15670	13020	15120	24500	14950
(WY)	1930	1948	1949	1925	1903	1929	1936	1923	1912	1919	1928	1898
MIN	609	1001	1778	2474	2197	2582	2587	1421	1128	1111	878	495
(WY)	1905	1932	1934	1898	1898	1898	1918	1941	1898	1952	1925	1925

SUMMARY STATISTICS WATER YEARS 1898 - 1952

ANNUAL MEAN	5250
HIGHEST ANNUAL MEAN	9501
LOWEST ANNUAL MEAN	2654
HIGHEST DAILY MEAN	94900
LOWEST DAILY MEAN	350
ANNUAL SEVEN-DAY MINIMUM	367
INSTANTANEOUS PEAK FLOW	97700
INSTANTANEOUS PEAK STAGE	32.97
INSTANTANEOUS LOW FLOW	a333
ANNUAL RUNOFF (CFSM)	1.19
ANNUAL RUNOFF (INCHES)	16.21
10 PERCENT EXCEEDS	10900
50 PERCENT EXCEEDS	3220
90 PERCENT EXCEEDS	1310

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir.
a Gage height, 0.48 ft

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.

LOCATION.--Lat 32°29'05", long 82°51'45", Laurens County, Hydrologic Unit 03070102, at Interstate Highway 16, 4.0 mi upstream from Pughes Creek, 4.5 mi southeast of Dublin, and at mile 69.9.

DRAINAGE AREA.--4,400 mi², approximately.

PERIOD OF RECORD.--October 1973 to February 1994, November 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Discharge obtained from gaging station 02223500, Oconee River at Dublin, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0740	10100	74	70	6.8	6.8	23.5	20.0	6.1	72
NOV 01...	0830	4080	98	90	7.3	6.9	18.5	17.5	8.2	88
DEC 05...	0900	1870	137	127	6.9	7.0	13.5	17.0	9.0	86
JAN 22...	1530	4730	92	84	6.9	6.8	8.0	12.0	11.1	93
FEB 27...	1400	4050	89	85	7.0	7.1	13.0	23.0	9.6	91
MAR 26...	1340	11400	63	61	6.9	6.6	13.0	24.5	8.7	83
APR 16...	1220	4230	95	89	7.0	6.6	18.0	17.5	7.6	80
MAY 14...	1220	1670	143	132	7.0	6.8	21.0	23.5	7.1	80
JUN 18...	1245	2500	104	100	7.0	6.8	27.0	31.5	6.5	82
JUL 08...	1120	1240	162	159	7.1	6.9	28.0	30.0	6.6	85
AUG 20...	1050	1180	174	174	6.9	7.0	28.5	30.0	6.4	82
SEP 17...	1105	1110	170	173	7.1	7.2	25.5	30.5	7.1	88

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 10...	45	40	13	1.5	1400	21	87
NOV 01...	30	28	18	1.1	790	20	56
DEC 05...	50	13	13	1.8	7000	23	13
JAN 22...	45	21	8	<1.0	170	7	22
FEB 27...	80	36	12	<1.0	120	19	23
MAR 26...	100	50	19	1.3	50	14	27
APR 16...	100	35	25	<1.0	230	20	36
MAY 14...	80	24	23	<1.0	1700	24	18
JUN 18...	30	22	19	1.1	7000	19	32
JUL 08...	10	9.0	16	1.1	110	22	10
AUG 20...	10	9.0	11	1.1	<54	24	12
SEP 17...	5	9.0	<5	1.0	13000	23	14

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
10...	0.100	<0.030	0.50	0.50	0.60	0.090	4.0
NOV							
01...	0.170	0.040	0.26	0.30	0.47	0.080	3.0
DEC							
05...	0.400	0.090	0.31	0.40	0.80	0.060	4.0
JAN							
22...	0.410	0.070	0.33	0.40	0.81	0.060	4.0
FEB							
27...	0.460	0.090	0.21	0.30	0.76	0.080	4.0
MAR							
26...	0.370	0.050	0.35	0.40	0.77	0.070	4.0
APR							
16...	0.330	<0.030	0.40	0.40	0.73	0.060	4.0
MAY							
14...	0.490	0.060	0.34	0.40	0.89	0.090	4.0
JUN							
18...	0.430	<0.030	0.40	0.40	0.83	0.060	3.0
JUL							
08...	0.580	0.100	0.30	0.40	0.98	0.060	4.0
AUG							
20...	0.380	0.100	0.30	0.40	0.78	0.070	4.0
SEP							
17...	0.390	0.110	0.29	0.40	0.79	0.050	3.0

ALTAMAHA RIVER BASIN

02224100 TURKEY CREEK NEAR DUBLIN, GA.

LOCATION.--Lat 32°27'21", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at bridge on U.S. Highway 441, 6 mi south of Dublin and 8.5 mi upstream from Oconee River.

DRAINAGE AREA.--316 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 22...	1430	330	74	70	6.9	6.8	6.5	11.5	11.0	90
FEB 27...	1450	270	79	76	7.1	7.1	16.5	24.5	8.9	91
MAR 26...	1425	540	64	62	7.1	6.9	15.5	24.5	8.8	89
APR 16...	1300	335	77	72	7.0	6.8	17.0	18.5	7.9	81
MAY 14...	1300	130	92	86	7.1	6.8	18.0	25.0	7.0	74
JUN 18...	1320	235	71	67	6.9	6.7	24.0	32.0	6.2	74
JUL 08...	1200	120	89	87	7.0	6.9	24.5	30.5	6.3	77
AUG 20...	1130	35	113	111	7.0	7.2	24.5	30.5	6.5	77
SEP 17...	1140	31	111	111	7.3	7.3	22.5	31.0	6.6	77

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 22...	9.0	<1.0	330	20	3	0.240	<0.030	0.040	5.0
FEB 27...	5.0	1.0	110	26	4	0.230	<0.030	0.030	4.0
MAR 26...	10	1.6	170	19	4	0.260	<0.030	0.040	6.0
APR 16...	10	<1.0	170	24	9	0.290	0.040	0.040	6.0
MAY 14...	22	<1.0	70	31	17	0.520	<0.030	0.100	5.0
JUN 18...	32	<1.0	170	21	17	0.280	0.040	0.070	6.0
JUL 08...	16	<1.0	270	29	10	0.360	0.040	0.070	6.0
AUG 20...	9.0	<1.0	70	45	6	0.550	<0.030	0.060	4.0
SEP 17...	8.0	<1.0	<100	43	4	0.440	<0.030	0.040	4.0

ALTAMAHA RIVER BASIN

02224310 OCONEE RIVER NEAR SOPERTON, GA.

LOCATION.--Lat 32°17'42", long 82°41'49", Treutlen County, Hydrologic Unit 03070102, at bridge on State Highway 46, 8 mi southwest of Soperton and 2.2 mi upstream from Bass Branch.

DRAINAGE AREA.--4,920 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 22...	1310	6000	81	75	7.0	6.9	8.0	10.0	11.1	92
FEB 27...	1240	5500	80	78	7.1	7.0	13.0	22.5	9.5	91
MAR 26...	1220	12500	61	59	6.8	6.9	13.5	22.5	8.4	80
APR 16...	1115	4400	91	85	7.0	6.9	18.0	15.0	7.5	79
MAY 14...	1115	2800	109	102	7.0	6.8	21.5	22.0	6.6	74
JUN 18...	1140	3200	96	91	7.1	6.7	26.5	31.0	6.3	80
JUL 08...	1015	2050	131	127	7.1	7.0	27.5	30.0	7.0	89
AUG 20...	0945	1900	136	136	6.9	7.1	28.5	29.0	6.3	81
SEP 17...	1005	1600	167	146	7.3	7.6	25.0	29.0	6.8	82

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 22...	27	<1.0	80	20	31	0.380	<0.030	0.070	4.0
FEB 27...	38	1.2	490	19	28	0.450	<0.030	0.060	3.0
MAR 26...	39	1.3	80	12	16	0.330	0.040	0.070	5.0
APR 16...	31	<1.0	50	21	32	0.360	0.070	0.050	5.0
MAY 14...	34	<1.0	80	24	28	0.470	<0.030	0.090	4.0
JUN 18...	30	1.1	220	20	39	0.440	<0.030	0.080	5.0
JUL 08...	14	<1.0	<280	26	17	0.470	<0.030	0.060	3.0
AUG 20...	20	<1.0	630	26	34	0.360	<0.030	0.060	2.0
SEP 17...	11	<1.0	1300	45	18	0.540	0.040	0.040	3.0

ALTAMAHA RIVER BASIN

02224500 OCONEE RIVER NEAR MOUNT VERNON, GA.

LOCATION.--Lat 32°11'28", long 82°38'00", Montgomery County, Hydrologic Unit 03070102, at bridge on U.S. Highway 280, 0.2 mi upstream from Flat Creek, and 2.4 mi northwest of Mount Vernon.

DRAINAGE AREA.--5,110 mi².

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

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Oconee and Sinclair Reservoir (See "Lakes and reservoirs in Altamaha River Basin" stations 02220450 and 02222500, respectively). Water-discharge records for water years 1938-1956 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 22...	1200	6150	82	76	6.9	6.9	8.0	8.5	11.1	92
FEB 27...	1140	6100	80	77	7.1	6.9	13.0	22.0	9.6	92
MAR 26...	1115	16400	60	58	6.8	6.5	13.5	19.5	8.4	80
APR 16...	1015	5000	94	88	7.0	6.6	17.5	14.0	7.7	80
MAY 14...	1030	3200	95	89	7.0	6.6	21.0	20.0	6.9	77
JUN 18...	1030	3220	105	102	7.1	6.7	27.0	28.5	6.6	83
JUL 08...	0915	1820	132	128	7.2	7.1	27.5	29.0	6.9	88
AUG 20...	0900	1850	127	126	6.8	7.1	28.0	27.5	6.4	82
SEP 17...	0910	1280	160	158	7.2	7.3	25.5	28.0	7.1	87

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 22...	55	26	<1.0	80	16	0.400	0.040	0.060	4.0
FEB 27...	80	40	<1.0	230	19	0.450	<0.030	0.070	3.0
MAR 26...	100	39	1.3	<20	12	0.300	<0.030	0.060	4.0
APR 16...	90	36	<1.0	<20	20	0.360	0.040	0.050	4.0
MAY 14...	110	36	<1.0	130	23	0.470	0.050	0.090	4.0
JUN 18...	35	29	<1.0	490	19	0.490	<0.030	0.060	3.0
JUL 08...	10	15	<1.0	80	26	0.540	<0.030	0.050	3.0
AUG 20...	15	15	<1.0	230	22	0.330	<0.030	0.060	2.0
SEP 17...	<5	11	<1.0	330	30	0.520	<0.030	0.040	3.0

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'13", Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 ft downstream from bridge on U.S. Highway 1, 2.2 mi upstream from Bay Creek, 8 mi downstream from Bullards Creek, and 12 mi north of Baxley.

DRAINAGE AREA.--11,600 mi², approximately.

PERIOD OF RECORD.--August 1949 to June 1951, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft above sea level. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft upstream at same datum.

REMARKS.--Records good, except those for the period of estimated daily discharges, which are fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 10, 1948, reached a stage of 25.1 ft, from floodmarks, discharge, 130,000 ft³/s. Flood of January 1925 reached a stage of 30.0 ft, from information furnished by Georgia Department of Transportation.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	1500	*58,400	*18.65	Mar. 18	1500	56,400	18.45

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	5100	6470	10300	10400	16400	11500	32400	10600	8690	4040	3640	3610
2	4670	6660	10600	10100	18100	11500	31200	12100	9070	3940	3530	3880
3	4360	e7800	9600	9800	20300	12000	30200	14100	9110	3830	3380	3910
4	4020	e8400	7830	9580	22800	12500	29200	16000	8300	3720	3340	3750
5	3690	e8900	6890	9520	25700	13000	28100	17500	7260	3570	3490	3530
6	3580	e9400	7170	9360	28900	13500	27200	18500	6700	3370	3610	3380
7	4440	e10000	6410	8990	32400	14300	26400	18500	6300	3320	3570	3250
8	6180	e10700	5760	9150	36100	15200	25800	15800	6520	3490	3670	3150
9	7590	11400	5620	9800	42100	16900	24800	13200	6340	3650	3770	3310
10	8860	11900	6150	10900	49700	18700	23100	12800	5450	3590	3790	3440
11	10000	12300	8040	12000	55400	20400	21400	12300	6150	3470	3970	3620
12	11100	12800	9320	13000	57800	22000	20000	11800	6520	3490	4340	3620
13	12100	13400	9160	13900	57800	24700	18800	11600	6520	3360	4440	3340
14	13300	14100	9220	14600	55700	32100	17900	10700	7180	3270	4890	3280
15	14600	14700	9290	14500	51500	43200	16800	8280	7270	3240	6330	3330
16	14700	15300	8990	13500	46800	49100	15100	6580	6870	3180	6690	3150
17	12800	15900	8570	12500	40800	52500	13700	6090	6650	3080	6280	3010
18	13300	16800	8330	12400	34100	55600	13200	6550	6940	3010	6070	2960
19	15600	18000	8000	12900	26900	55300	13400	6770	7190	3010	5780	2870
20	17200	19400	7320	13000	22100	51600	13300	6400	6990	3050	4990	2820
21	17400	20800	8710	12700	18700	46800	12500	6280	6670	3130	4170	2740
22	16000	22100	10500	12400	15900	42000	11500	5540	6760	3340	3680	2650
23	13300	23100	11900	12800	14600	38000	10200	5140	6630	3420	3420	2750
24	9900	23500	13100	12800	14000	34900	10500	5590	5910	3380	3210	3090
25	7040	23100	14300	12400	13300	32900	11400	5510	5410	3370	3030	3350
26	5600	22100	15400	12000	13100	31900	12000	4820	5170	3360	2920	3310
27	5220	19100	16100	11800	13000	31800	12200	4540	4880	3310	2880	3240
28	5380	14800	15100	12100	12800	32400	11600	4650	4420	3430	2870	3400
29	5170	11500	12100	12500	12300	33000	11300	5450	4180	3590	2880	3590
30	5320	9940	10500	13700	---	33400	11100	6270	4060	3680	2980	3570
31	6130	---	10200	15000	---	33200	---	7730	---	3650	3260	---
TOTAL	283650	434370	300480	370100	869100	935900	556300	297690	196110	106340	124870	98900
MEAN	9150	14480	9693	11940	29970	30190	18540	9603	6537	3430	4028	3297
MAX	17400	23500	16100	15000	57800	55600	32400	18500	9110	4040	6690	3910
MIN	3580	6470	5620	8990	12300	11500	10200	4540	4060	3010	2870	2650
CFSM	.79	1.25	.84	1.03	2.58	2.60	1.60	.83	.56	.30	.35	.28
IN.	.91	1.39	.96	1.19	2.79	3.00	1.78	.95	.63	.34	.40	.32

e Estimated

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1996, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5619	5799	10170	16090	22320	24520	19540	9879	7071	6564	6424	5003
MAX	24560	14480	29870	36550	41600	47260	41730	20630	19380	32470	19600	13860
(WY)	1995	1996	1993	1993	1973	1975	1975	1975	1973	1994	1994	1949
MIN	1864	2115	2763	3395	4803	9112	5635	2576	2302	1796	1902	2468
(WY)	1982	1982	1988	1981	1989	1985	1986	1986	1988	1988	1988	1980

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1949 - 1996	
ANNUAL TOTAL	4931820		4573810		11650	
ANNUAL MEAN	13510		12500		17720	
HIGHEST ANNUAL MEAN					5210	
LOWEST ANNUAL MEAN					97900	
HIGHEST DAILY MEAN	77000	Feb 26	57800	Feb 12	1620	Jul 16 1994
LOWEST DAILY MEAN	2500	Aug 20	2650	Sep 22	1660	Jul 21 1986
ANNUAL SEVEN-DAY MINIMUM	2550	Aug 18	2830	Sep 17	1660	Jul 17 1986
INSTANTANEOUS PEAK FLOW			58400	Feb 12	a98800	Jul 16 1994
INSTANTANEOUS PEAK STAGE			18.65	Feb 12	22.70	Mar 12 1971
ANNUAL RUNOFF (CFSM)	1.16		1.08		1.00	
ANNUAL RUNOFF (INCHES)	15.82		14.67		13.65	
10 PERCENT EXCEEDS	30700		27500		25600	
50 PERCENT EXCEEDS	9280		9460		7240	
90 PERCENT EXCEEDS	3510		3340		2720	

a Gage height, 22.58 ft.

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.--Lat 32°04'42", long 82°10'39", Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center span of bridge on State Highway 56, 0.5 mi downstream from Brazells Creek, 1.5 mi downstream from Rocky Creek, 3.5 mi west of Reidsville, 6 mi downstream from Pendleton Creek, and 14 mi upstream from mouth.

DRAINAGE AREA.--1,110 mi², approximately.

PERIOD OF RECORD.--April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.

REVISED RECORDS.--WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905. WDR GA-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 73.8 ft above sea level (levels by Georgia Department of Transportation). Prior to Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.

REMARKS.--Records good. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.4 ft in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 23	0900	*3,510	*11.95

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	621	157	297	744	1350	787	2730	617	129	49	41	90
2	552	175	292	764	1510	788	2930	746	121	47	41	102
3	483	201	287	795	1830	812	2950	892	113	45	42	110
4	422	218	279	815	2140	851	2830	1040	109	44	42	132
5	417	266	269	851	2250	876	2640	1210	107	47	48	132
6	402	292	280	913	2290	967	2390	1490	103	52	79	117
7	380	297	308	981	2420	1270	2190	1690	96	50	116	100
8	358	415	318	1020	2550	1480	1980	1490	93	49	130	89
9	331	582	329	1010	2490	1630	1740	1050	95	50	105	80
10	306	656	432	982	2240	1860	1540	723	90	52	92	76
11	281	689	572	960	1940	2260	1360	541	85	53	94	77
12	253	751	644	936	1650	2680	1230	426	82	55	117	74
13	235	769	722	889	1420	2850	1120	349	79	55	144	79
14	224	744	818	842	1280	2860	1040	297	81	55	189	73
15	216	739	848	801	1180	2540	965	258	84	52	242	67
16	204	716	798	756	1120	2030	896	226	80	50	259	63
17	203	664	711	704	1070	1630	822	202	80	50	257	61
18	206	586	623	668	1000	1730	764	182	77	49	262	58
19	199	517	569	653	940	2240	736	164	75	51	230	55
20	189	468	536	642	902	2630	761	150	77	54	187	53
21	174	426	559	614	889	2940	806	138	81	55	153	51
22	162	387	676	586	891	3320	772	199	84	60	130	50
23	151	353	857	577	904	3500	687	178	76	53	115	48
24	143	322	1010	599	931	3320	601	138	71	47	103	47
25	136	301	1120	671	907	2910	530	120	68	51	91	46
26	130	289	1300	753	874	2410	490	110	64	59	84	44
27	124	280	1570	779	830	2030	463	102	61	51	82	43
28	146	272	1590	821	798	1900	421	104	58	45	96	43
29	141	281	1280	914	788	2050	398	117	54	44	103	44
30	139	289	962	1040	---	2280	480	123	52	41	92	53
31	144	---	805	1190	---	2460	---	128	---	40	90	---
TOTAL	8072	13102	21661	25270	41384	63891	39262	15200	2525	1555	3856	2157
MEAN	260	437	699	815	1427	2061	1309	490	84.2	50.2	124	71.9
MAX	621	769	1590	1190	2550	3500	2950	1690	129	60	262	132
MIN	124	157	269	577	788	787	398	102	52	40	41	43
CFSM	.23	.39	.63	.73	1.29	1.86	1.18	.44	.08	.05	.11	.06
IN.	.27	.44	.73	.85	1.39	2.14	1.32	.51	.08	.05	.13	.07

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	446	380	839	1507	2163	2471	1689	706	495	517	619	444
MAX	2325	3638	4674	5618	5032	6693	5120	2220	2215	2386	4069	2127
(WY)	1991	1948	1948	1987	1973	1966	1944	1964	1906	1941	1991	1949
MIN	20.8	31.2	58.4	97.7	154	176	166	49.4	37.6	27.1	30.5	23.0
(WY)	1955	1955	1959	1981	1950	1938	1968	1985	1985	1986	1954	1954

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1903 - 1996

ANNUAL TOTAL	377911		237935			
ANNUAL MEAN	1035		650		1007	
HIGHEST ANNUAL MEAN					2353	1948
LOWEST ANNUAL MEAN					271	1950
HIGHEST DAILY MEAN	6710	Jun 10	3500	Mar 23	23600	Mar 6 1966
LOWEST DAILY MEAN	59	May 30	40	Jul 31	19	Sep 12 1954
ANNUAL SEVEN-DAY MINIMUM	64	Aug 18	42	Jul 29	20	Sep 8 1954
INSTANTANEOUS PEAK FLOW			3510	Mar 23	24400	Mar 6 1966
INSTANTANEOUS PEAK STAGE			11.95	Mar 23	23.34	Mar 6 1966
INSTANTANEOUS LOW FLOW			39	Jul 31		
ANNUAL RUNOFF (CFSM)	.93		.59		.91	
ANNUAL RUNOFF (INCHES)	12.67		7.97		12.33	
10 PERCENT EXCEEDS	3050		1840		2730	
50 PERCENT EXCEEDS	392		320		418	
90 PERCENT EXCEEDS	90		52		62	

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne-Long County line, Hydrologic Unit 03070106, on right bank 60 ft downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi northeast of Jesup, and at mile 64.5.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--October 1931 to current year. Gage-heights collected at same site since 1925 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 24.48 ft above sea level. Prior to Sept. 5, 1934, nonrecording gage, and Sept. 5, 1934 to Sept. 30, 1975, water-stage recorder at same site at datum 4.0 ft higher.

REMARKS.--Records good, except for those for estimated daily discharge, which are fair. Records of chemical analyses for the water years 1967-77 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 18.6 ft, present datum, Jan. 23, 1925, discharge, 300,000 ft³/s, from rating curve extended above 180,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 15	1900	*62,800	*12.99	Mar. 20	2400	60,000	12.86

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	6270	6310	15700	13700	14600	14400	35100	12200	6690	4400	3750	3450
2	6230	6680	12800	12900	15700	13900	35000	11800	7470	4300	3780	3710
3	5880	6890	11700	12500	17200	13300	34600	11800	8100	4210	3760	4040
4	5480	7460	11200	12100	18800	13000	33800	12400	8450	4100	3640	4250
5	5050	8300	10100	11700	20700	13100	32800	13500	8350	e4000	3560	4250
6	4610	8870	8540	11300	23300	13500	31800	14900	7690	3880	3630	4070
7	4340	9260	7920	11100	26100	14300	30900	16300	7020	3740	3800	3870
8	4640	9970	7450	10900	29200	15400	29800	17700	6640	3650	3880	3700
9	5850	10600	6900	10800	32600	16500	28800	18600	6560	3680	3930	3570
10	7070	11300	6640	11000	36500	17500	27800	18000	6540	3800	4030	3580
11	8210	12100	6740	11500	42000	18700	26800	16100	6060	3830	4080	3720
12	9170	12700	7590	12200	49900	20000	25400	14400	5970	3740	4150	3860
13	10100	13200	8810	12900	57300	21600	23700	13300	6300	3690	4410	3920
14	11100	13600	9600	13700	60900	23400	22100	12500	e6500	3640	4620	3750
15	12100	14100	9930	14500	62000	25700	20800	12000	e6900	3540	4860	3590
16	12700	14600	10200	15100	60300	30400	19600	10700	7030	3500	5620	3580
17	13500	15100	10200	15400	55800	39700	18400	8540	6980	3470	6300	3510
18	13900	15600	9940	15200	50100	49200	17000	7100	6780	3360	6400	3370
19	13600	16200	9560	14600	43900	55200	15500	6790	6750	3260	6280	3270
20	13700	16900	9170	14000	38000	58900	14600	6880	e6900	3200	6130	3180
21	14500	17700	8640	14000	32300	59600	14200	6800	e6900	3230	5680	3120
22	15500	18800	8630	14000	27400	56400	13900	6600	e7000	3330	5000	3050
23	16400	20000	9570	13900	23500	51200	13300	6210	e6900	3500	4390	2960
24	16400	21400	10900	13800	20200	45900	12400	5760	e6800	3620	3990	2950
25	14900	22800	12100	13800	17800	41700	11500	5760	e6500	3610	3740	3140
26	11700	23800	13300	13800	16300	38500	11200	5820	e6000	3600	3570	3390
27	8150	24300	14400	13700	15400	36100	11600	5480	5740	3610	3390	3490
28	6710	24100	15500	13500	14900	34700	11900	5110	5390	3560	3310	3450
29	6320	22700	16500	13400	14600	33800	12200	5030	4970	3540	3300	3520
30	6120	19600	16800	13500	---	33800	12600	5390	4610	3630	3270	3700
31	6020	---	15600	13900	---	34500	---	5930	---	3710	3330	---
TOTAL	296220	444940	332630	408400	937300	953900	649100	319400	200490	113930	133580	107010
MEAN	9555	14830	10730	13170	32320	30770	21640	10300	6683	3675	4309	3567
MAX	16400	24300	16800	15400	62000	59600	35100	18600	8450	4400	6400	4250
MIN	4340	6310	6640	10800	14600	13000	11200	5030	4610	3200	3270	2950
CFSM	.70	1.09	.79	.97	2.38	2.26	1.59	.76	.49	.27	.32	.26
IN.	.81	1.22	.91	1.12	2.56	2.61	1.78	.87	.55	.31	.37	.29

e Estimated

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1996, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6300	6090	11090	18460	24770	29340	25750	13020	8794	7866	7815	6196
MAX	27680	27850	55570	46090	56200	71890	80960	39850	26650	33290	23090	18630
(WY)	1995	1948	1949	1993	1936	1966	1936	1964	1966	1994	1964	1949
MIN	1748	1789	2688	3568	4512	6795	6191	2991	2418	1802	1861	2147
(WY)	1955	1955	1955	1981	1989	1938	1985	1986	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1932 - 1996	
ANNUAL TOTAL	5638360		4896900			
ANNUAL MEAN	15450		13380		13730	
HIGHEST ANNUAL MEAN					25350	
LOWEST ANNUAL MEAN					5996	
HIGHEST DAILY MEAN	81900	Feb 28	62000	Feb 15	178000	Apr 18 1936
LOWEST DAILY MEAN	2590	Aug 22	2950	Sep 24	1430	Oct 27 1954
ANNUAL SEVEN-DAY MINIMUM	2700	Aug 18	3100	Sep 19	1460	Oct 27 1954
INSTANTANEOUS PEAK FLOW			62800	Feb 15	178000	Apr 18 1936
INSTANTANEOUS PEAK STAGE			12.99	Feb 15	16.03	Apr 18 1936
INSTANTANEOUS LOW FLOW			2920	Sep 23,24	1430	Oct 27 1954
ANNUAL RUNOFF (CFSM)	1.14		.98		1.01	
ANNUAL RUNOFF (INCHES)	15.42		13.39		13.72	
10 PERCENT EXCEEDS	33600		30000		31400	
50 PERCENT EXCEEDS	10500		10600		8360	
90 PERCENT EXCEEDS	3880		3600		3300	

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

LOCATION.--Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 6 mi northeast of Gardi, 7 mi downstream from Doctortown, and 9 mi upstream from Penholoway Creek.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--November 1974 to February 1994, March 1995 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0845	7800	136	127	7.1	7.3	24.5	24.5	6.6	80
NOV 02...	0800	6580	164	156	7.6	7.1	20.0	25.0	7.8	85
DEC 06...	0830	9010	135	127	6.9	7.1	14.0	14.5	8.5	83
JAN 22...	0800	14000	113	105	6.7	6.9	9.0	1.0	9.5	81
FEB 27...	0800	15700	100	96	7.0	7.0	16.0	15.0	8.1	82
MAR 26...	0800	39700	64	61	6.8	6.6	14.0	18.5	8.3	80
APR 16...	0650	20100	95	89	7.1	6.7	18.0	11.0	7.1	76
MAY 14...	0700	12800	120	110	7.1	6.8	24.0	15.5	6.5	76
JUN 18...	0700	6880	153	148	7.3	6.9	28.0	24.5	6.1	79
JUL 10...	0700	3730	221	215	7.4	7.3	29.0	26.0	6.5	85
AUG 22...	0715	5320	179	176	7.0	--	28.5	22.5	6.1	79
SEP 19...	0715	3310	225	219	7.4	7.3	27.0	17.0	6.4	80

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 11...	65	32	<1.0	80	29	41	0.350	<0.030	0.070	4.0	0.80
NOV 02...	20	17	<1.0	50	33	18	0.460	<0.030	0.060	4.0	1.5
DEC 06...	80	15	<1.0	110	27	11	0.320	<0.030	0.060	5.0	1.0
JAN 22...	65	18	<1.0	70	22	10	0.370	<0.030	0.050	5.0	1.1
FEB 27...	80	19	1.1	50	24	9	0.310	<0.030	0.040	4.0	1.0
MAR 26...	110	29	<1.0	<20	14	10	0.130	<0.030	0.050	7.0	1.4
APR 16...	60	19	<1.0	80	21	9	0.230	<0.030	0.030	6.0	1.0
MAY 14...	90	19	<1.0	80	27	13	0.400	0.040	0.070	6.0	1.0
JUN 18...	50	20	<1.0	<20	29	19	0.580	<0.030	0.060	4.0	1.0
JUL 10...	40	14	1.4	<20	45	14	0.290	0.060	0.070	5.0	2.0
AUG 22...	--	--	--	--	--	15	0.480	0.050	0.070	5.0	1.0
SEP 19...	50	9.0	1.0	<20	44	6	0.500	0.050	0.060	5.0	--

ALTAMAHA RIVER BASIN

02226100 PENHOLLOWAY CREEK NEAR JESUP, GA.

LOCATION.--Lat 31°34'00", long 81°50'18", Wayne County, Hydrologic Unit 03070106, on downstream side of bridge on U.S. Highway 341, 4 mi southeast of Jesup, and about 9.5 mi upstream from mouth.

DRAINAGE AREA.--210 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft above sea level. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi downstream.

REMARKS.--Records good to fair.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 10	2000	*465	*10.10

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	281	24	9.7	11	26	30	215	70	.00	3.0	.65	2.2
2	223	23	7.4	27	24	59	234	74	.00	1.2	2.8	1.7
3	181	22	6.6	37	49	78	258	65	.00	.59	4.7	3.5
4	157	21	6.4	44	66	96	246	48	.00	.97	11	8.1
5	140	19	6.8	54	78	96	204	29	.00	.86	18	4.6
6	120	18	5.9	56	91	100	164	21	.00	1.2	22	3.5
7	99	18	6.2	64	90	266	156	15	.00	11	21	4.6
8	78	44	5.6	73	74	332	147	9.7	.00	16	9.0	1.4
9	62	39	5.2	74	61	382	143	5.5	.00	14	6.4	.54
10	50	43	8.8	75	51	452	130	3.2	.00	10	4.2	.54
11	42	51	9.6	71	43	450	105	1.9	.00	7.6	3.0	.94
12	36	55	9.8	66	36	383	84	.52	.00	9.1	3.4	1.3
13	32	46	11	60	32	306	66	.02	.00	11	2.3	1.2
14	51	44	12	54	29	231	53	.00	.00	12	3.2	.99
15	321	43	12	49	28	190	44	.00	.00	11	36	.75
16	314	38	12	45	54	167	38	.00	.17	17	29	.57
17	219	32	10	41	64	152	31	.00	1.7	14	11	1.1
18	195	27	10	40	62	188	25	.00	8.6	10	4.2	1.9
19	184	23	13	41	64	269	20	.00	8.4	11	1.3	2.3
20	156	20	16	38	63	318	14	.00	2.3	7.9	.27	2.6
21	129	18	14	37	54	363	9.1	.00	9.9	8.7	.18	2.8
22	107	16	15	36	46	372	5.3	.00	9.1	25	.05	3.0
23	88	13	16	33	42	338	2.7	.00	3.0	32	.00	2.7
24	71	11	14	32	38	282	1.2	.00	.42	15	.00	2.7
25	57	10	12	32	35	233	.40	.00	.03	21	.00	2.5
26	44	9.4	11	31	29	206	.10	.00	.57	17	.04	2.2
27	35	8.5	9.0	30	24	183	.00	.00	3.2	10	1.5	1.7
28	30	7.8	7.8	31	21	175	.00	.00	3.5	5.4	2.4	1.7
29	28	8.3	6.9	30	21	168	.00	.00	2.6	2.4	7.4	1.9
30	23	9.0	6.5	29	---	169	19	.00	2.8	.85	7.3	2.3
31	23	---	7.9	27	---	200	---	.00	---	.38	3.7	---
TOTAL	3576	761.0	304.1	1368	1395	7234	2414.80	342.84	56.29	307.15	215.99	67.83
MEAN	115	25.4	9.81	44.1	48.1	233	80.5	11.1	1.88	9.91	6.97	2.26
MAX	321	55	16	75	91	452	258	74	9.9	32	36	8.1
MIN	23	7.8	5.2	11	21	30	.00	.00	.00	.38	.00	.54
CFSM	.55	.12	.05	.21	.23	1.11	.38	.05	.01	.05	.03	.01
IN.	.63	.13	.05	.24	.25	1.28	.43	.06	.01	.05	.04	.01

ALTAMAHA RIVER BASIN

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	118	52.9	136	259	358	373	209	78.7	122	158	227	173
MAX	869	403	762	884	1049	1342	1050	492	493	941	1031	1234
(WY)	1995	1970	1977	1967	1995	1959	1961	1966	1968	1966	1969	1964
MIN	.000	.000	.42	1.57	1.01	13.5	2.48	.000	.000	.000	.000	.003
(WY)	1973	1992	1979	1989	1989	1989	1967	1990	a1964	b1988	1988	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	100078.13		18043.00		188	
ANNUAL MEAN	274		49.3		391	
HIGHEST ANNUAL MEAN					20.2	
LOWEST ANNUAL MEAN					4370	
HIGHEST DAILY MEAN	3050	Aug 27	452	Mar 10	Sep 30 1979	
LOWEST DAILY MEAN	.00	c	.00	c	.00	
ANNUAL SEVEN-DAY MINIMUM	.00	d	.00	d	.00	
INSTANTANEOUS PEAK FLOW			465	Mar 10	4420	
INSTANTANEOUS PEAK STAGE			10.10	Mar 10	14.96	
INSTANTANEOUS LOW FLOW			.00	c	.00	
ANNUAL RUNOFF (CFSM)	1.31		.23		.90	
ANNUAL RUNOFF (INCHES)	17.73		3.20		12.19	
10 PERCENT EXCEEDS	658		167		536	
50 PERCENT EXCEEDS	92		15		49	
90 PERCENT EXCEEDS	.00		.00		.03	

a Also 1977 and 1990.

b Also 1990.

c No flow on many days.

d Many seven-day periods with no flow.

f No flow at times most years.

LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN

02210000 LLOYD SHOALS RESERVOIR NEAR JACKSON, GA.

LOCATION.--Lat 33°19'13", long 83°50'20", Butts County, Hydrologic Unit 03070103, on Ocmulgee River, 1 mi upstream from bridge on State Highway 16, and 7 mi east of Jackson.

DRAINAGE AREA.--1,400 mi².

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) is equipped with flashboards 308.5 ft wide by 2 ft high and 420 ft wide by 5 ft high. Dam completed in 1910. Total capacity at elevation 530.0 ft, top of flashboards, is 107,000 acre-ft, of which 78,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	528.4	99300	-	-
Oct. 31.....	527.8	96600	-2700	-44
Nov. 30.....	522.1	74400	-22200	-373
Dec. 31.....	522.0	74000	-400	-7
CAL YR 1995	-	-	-11000	-15
Jan. 31.....	528.4	99300	+25300	+411
Feb. 29.....	525.4	86600	-12700	-221
Mar. 31.....	529.9	106000	+19400	+316
Apr. 30.....	529.7	106000	0	0
May 31.....	528.3	98800	-7200	-117
June 30.....	528.5	99800	+1000	+17
July 31.....	528.5	99800	0	0
Aug. 31.....	528.2	98400	-1400	-23
Sept. 30.....	528.6	100000	+1600	+27
WTR YR 1996	-	-	+700	+1

* Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02220450 LAKE OCONEE NEAR EATONTON, GA.

LOCATION.--Lat 33°21'00", long 83°09'28", Putnam County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from bridge on State Highway 16, and 13.3 mi east of Eatonton.

DRAINAGE AREA.--1,820 mi².

PERIOD OF RECORD.-- January 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 435.6 ft) is equipped with five radial gates 42 ft wide by 44 ft high. Storage began in January 1979; water in reservoir first reached minimum pool elevation in July 1979. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	434.5	351000	-	-
Oct. 31.....	434.8	356400	+5400	+88
Nov. 30.....	433.7	336600	-19800	-333
Dec. 31.....	433.2	327600	-9000	-146
CAL YR 1995	-	-	0	0
Jan. 31.....	434.8	356400	+28800	+468
Feb. 29.....	434.9	358200	+1800	+31
Mar. 31.....	434.8	356400	-1800	-29
Apr. 30.....	434.9	358200	+1800	+30
May 31.....	434.8	356400	-1800	-29
June 30.....	434.4	349200	-7200	-121
July 31.....	434.8	356400	+7200	+117
Aug. 31.....	434.0	342000	-14400	-234
Sept. 30.....	434.6	352800	-10800	+181
WTR YR 1996	-	-	+1800	+2

*Elevation at 0700 on day following that shown in first column.

LAKES LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02222500 SINCLAIR RESERVOIR NEAR MILLEDGEVILLE, GA.

LOCATION.--Lat 33°08'27", long 83°12'08", Baldwin County, Hydrologic Unit 03070101, on Oconee River, 1.5 mi upstream from Georgia Railroad bridge, and 4 mi north of Milledgeville.

DRAINAGE AREA.--2,900 mi².

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) is equipped with 24 gates 30 ft wide by 21 ft high. Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft, top of gates, is 334,000 acre-ft, of which 214,600 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	338.7	314500	-	-
Oct. 31.....	337.7	299800	-14700	-239
Nov. 30.....	335.1	264300	-35500	-597
Dec. 31.....	338.6	313000	+48700	+792
CAL YR 1995	-	-	-10500	-15
Jan. 31.....	339.6	328000	+15000	+244
Feb. 29.....	338.6	313000	-15000	-261
Mar. 31.....	338.8	316000	+3000	+49
Apr. 30.....	339.0	319000	+3000	+50
May 31.....	338.2	307000	-12000	-195
June 30.....	338.1	305500	-1500	-25
July 31.....	338.1	305500	0	0
Aug. 31.....	339.0	319000	+13500	+220
Sept. 30.....	338.7	314500	-4500	-76
WTR YR 1996	-	-	0	0

*Elevation at 0700 on day following that shown in first column.

BRUNSWICK RIVER BASIN

02226178 EAST RIVER AT MAYORS POINT TERMINAL AT BRUNSWICK, GA.

LOCATION.--Lat 31°08'38", long 81°29'49", Glynn County, Hydrologic Unit 03070203, at Georgia Ports Authority's Mayors Point Terminal Dock, 1.2 mi upstream of the Brunswick River, and 0.4 mi southwest of Brunswick Post Office.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation recorded, 7.37 ft, Feb. 7, 1993; minimum elevation recorded, -8.29 ft, Mar. 13, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.80 ft, May 31; minimum elevation, -6.70 ft, Mar. 19.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.43	-1.90	4.19	-3.34	4.10	-3.68	4.05	-2.98	3.85	-3.59	3.52	-2.96
2	5.23	-2.28	4.13	-3.84	3.86	-3.87	4.61	-3.09	4.20	-2.85	4.19	-2.96
3	5.17	-2.56	4.22	-4.07	4.18	-3.72	3.91	-4.26	4.30	-3.50	3.76	-3.66
4	5.22	-2.73	4.10	-4.10	4.07	-3.79	3.51	-4.96	3.93	-3.49	3.92	-4.13
5	4.52	-3.92	4.87	-3.41	4.35	-3.98	4.12	-3.74	3.91	-3.61	3.79	-4.17
6	4.60	-4.23	5.00	-3.29	4.35	-3.62	4.15	-3.73	4.00	-4.17	3.41	-4.90
7	4.54	-4.16	4.77	-3.59	4.06	-3.39	4.27	-5.02	3.84	-3.94	3.22	-5.27
8	4.97	-4.02	3.83	-4.56	5.08	-2.17	2.27	-5.51	3.68	-4.41	2.64	-6.35
9	5.60	-2.75	4.47	-3.20	4.40	-2.81	2.85	-4.55	2.92	-4.99	3.68	-4.41
10	5.62	-2.10	4.40	-2.64	3.75	-3.27	3.10	-4.48	3.27	-3.94	3.88	-2.74
11	5.34	-2.21	4.07	-3.22	3.44	-3.13	3.70	-2.94	3.29	-4.17	4.25	-1.81
12	5.02	-1.89	3.52	-3.28	3.66	-2.99	3.70	-3.73	2.68	-4.45	4.49	-2.95
13	4.92	-1.61	3.71	-2.14	3.68	-2.49	3.33	-3.05	2.86	-3.90	4.24	-3.35
14	4.43	-1.75	3.71	-2.05	3.65	-2.54	3.25	-3.17	2.74	-4.78	3.92	-4.16
15	4.14	-2.25	3.10	-2.75	3.26	-2.91	3.13	-4.12	3.49	-4.92	3.74	-4.62
16	4.11	-1.26	3.27	-2.61	3.26	-2.99	3.64	-3.83	3.96	-5.98	4.31	-4.71
17	4.49	-.93	3.54	-2.59	4.38	-2.34	4.56	-4.31	4.31	-5.90	4.46	-5.04
18	4.16	-1.06	3.76	-3.00	4.89	-3.31	4.94	-4.31	4.78	-6.37	5.15	-4.92
19	4.50	-1.10	4.20	-3.84	5.08	-5.05	4.98	-5.75	5.08	-5.23	4.21	-6.70
20	4.56	-2.68	4.55	-3.90	4.03	-5.23	4.84	-5.88	4.66	-5.19	2.96	-6.67
21	4.27	-2.92	4.82	-4.26	5.53	-4.73	5.39	-4.83	4.46	-5.23	3.59	-6.37
22	4.70	-3.37	5.25	-4.97	5.59	-4.76	5.27	-4.86	4.14	-4.80	3.89	-5.14
23	5.06	-3.37	5.59	-4.53	5.50	-4.85	4.85	-4.75	4.04	-4.36	3.83	-4.29
24	5.17	-3.98	5.35	-4.67	5.01	-4.93	4.45	-4.91	3.66	-4.05	3.72	-3.68
25	5.13	-4.29	5.31	-4.40	4.35	-5.00	4.02	-4.27	3.32	-3.38	3.57	-3.16
26	5.13	-4.35	4.93	-4.36	4.47	-4.72	4.12	-3.37	3.14	-3.16	3.36	-3.44
27	5.14	-3.75	4.55	-4.22	3.96	-4.10	3.59	-4.33	2.71	-3.01	2.71	-2.99
28	4.57	-4.11	4.10	-4.01	3.96	-3.30	2.59	-2.41	2.75	-3.10	3.50	-2.80
29	4.54	-3.44	3.69	-4.04	3.80	-2.68	3.28	-2.79	2.87	-3.16	3.04	-2.52
30	4.85	-2.33	3.95	-2.93	3.82	-3.00	3.27	-3.32	---	---	3.45	-2.58
31	4.57	-2.77	---	---	3.81	-3.12	3.30	-3.63	---	---	4.06	-2.62
MONTH	5.62	-4.35	5.59	-4.97	5.59	-5.23	5.39	-5.88	5.08	-6.37	5.15	-6.70

[illegible]

BRUNSWICK RIVER BASIN

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND NEAR BRUNSWICK, GA.

LOCATION.--Lat 31°07'55", long 81°32'13", Glynn County, Hydrologic Unit 03070203, at Georgia Ports Authority's Colonels Island Terminal Dock, approximately 1 mi upstream from confluence of South Brunswick and Turtle Rivers, and 2.9 mi west-southwest of Brunswick Post Office.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.-- Maximum elevation recorded, 7.41 ft Feb. 7, 1993; minimum elevation recorded, -7.21 ft Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 5.94 ft, May 31; minimum elevation recorded, -6.86 ft, Mar. 19.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.56	-1.98	4.34	-3.39	4.20	-3.73	4.18	-3.01	3.95	-3.66	3.64	-3.04
2	5.37	-2.31	4.31	-3.89	3.97	-3.96	4.72	-3.09	4.33	-2.92	4.30	-2.88
3	5.29	-2.61	4.31	-4.09	4.28	-3.85	4.04	-4.17	4.41	-3.59	3.93	-3.67
4	5.34	-2.82	4.22	-4.14	4.17	-3.83	3.65	-4.94	4.01	-3.51	4.06	-4.17
5	4.66	-3.93	4.98	-3.49	4.47	-4.04	4.23	-3.77	4.02	-3.70	3.94	-4.22
6	4.74	-4.30	5.14	-3.36	4.48	-3.66	4.29	-3.76	4.11	-4.24	3.53	-5.02
7	4.66	-4.23	4.87	-3.68	4.22	-3.47	4.33	-5.14	3.92	-4.01	3.33	-5.35
8	5.09	-4.09	3.93	-4.56	5.23	-2.21	2.43	-5.62	3.78	-4.49	2.77	-6.40
9	5.76	-2.80	4.62	-3.23	4.49	-2.87	2.96	-4.59	2.96	-5.02	3.81	-4.50
10	5.77	-2.16	4.52	-2.74	3.90	-3.35	3.21	-4.51	3.36	-3.98	3.94	-2.78
11	5.51	-2.31	4.20	-3.24	3.58	-3.22	3.72	-3.02	3.39	-4.22	4.40	-1.85
12	5.19	-1.98	3.65	-3.28	3.77	-2.99	3.75	-3.75	2.79	-4.46	4.63	-3.01
13	5.04	-1.67	3.88	-2.14	3.85	-2.56	3.49	-3.09	3.03	-3.87	4.38	-3.34
14	4.53	-1.71	3.84	-1.98	3.77	-2.57	3.42	-3.19	2.87	-4.80	4.07	-4.19
15	4.25	-2.27	3.22	-2.69	3.39	-2.93	3.28	-4.12	3.60	-5.01	3.87	-4.69
16	4.27	-1.23	3.44	-2.57	3.40	-3.00	3.79	-3.85	4.02	-6.13	4.42	-4.69
17	4.63	-.93	3.70	-2.60	4.54	-2.34	4.72	-4.34	4.34	-6.03	4.53	-5.13
18	4.29	-1.03	3.90	-3.01	5.04	-3.36	5.02	-4.35	4.86	-6.46	5.29	-4.94
19	4.64	-1.16	4.32	-3.88	5.23	-5.00	5.09	-5.87	5.20	-5.31	4.18	-6.86
20	4.69	-2.79	4.70	-3.95	4.12	-5.26	4.99	-5.89	4.72	-5.23	3.09	-6.77
21	4.43	-2.91	4.95	-4.34	5.64	-4.81	5.51	-4.90	4.60	-5.30	3.70	-6.43
22	4.86	-3.42	5.38	-5.03	5.73	-4.83	5.44	-4.90	4.27	-4.87	4.03	-5.21
23	5.20	-3.44	5.72	-4.58	5.61	-4.96	4.96	-4.80	4.25	-4.47	3.98	-4.36
24	5.28	-4.06	5.48	-4.73	5.16	-5.02	4.71	-4.97	3.76	-4.13	3.95	-3.78
25	5.28	-4.35	5.47	-4.47	4.51	-5.05	4.12	-4.31	3.47	-3.45	3.65	-3.22
26	5.24	-4.42	5.07	-4.44	4.62	-4.75	4.23	-3.45	3.26	-3.20	3.39	-3.50
27	5.27	-3.85	4.70	-4.27	4.08	-4.09	3.71	-4.37	2.87	-3.04	2.84	-2.99
28	4.70	-4.16	4.23	-4.10	4.09	-3.30	2.71	-2.44	2.85	-3.14	3.58	-2.82
29	4.70	-3.45	3.83	-4.12	3.95	-2.61	3.39	-2.75	3.01	-3.15	3.10	-2.52
30	5.00	-2.36	4.09	-2.96	3.97	-3.04	3.40	-3.34	---	---	3.61	-2.59
31	4.70	-2.81	---	---	3.93	-3.16	3.42	-3.66	---	---	4.19	-2.62
MONTH	5.77	-4.42	5.72	-5.03	5.73	-5.26	5.51	-5.89	5.20	-6.46	5.29	-6.86

BRUNSWICK RIVER BASIN

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND NEAR BRUNSWICK, GA.--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.15	-3.67	4.51	-4.52	5.66	-4.01	5.22	-5.65	4.85	-5.69	--	--
2	4.27	-4.51	4.68	-4.35	5.74	-4.32	5.45	-5.69	4.53	-5.76	--	--
3	4.45	-4.50	4.86	-4.81	5.51	-4.50	4.92	-5.56	4.40	-5.33	--	--
4	4.33	-4.76	4.93	-4.88	5.37	-4.50	5.35	-5.50	4.20	-4.67	--	--
5	4.28	-5.29	4.74	-5.20	5.20	-4.47	5.35	-4.45	4.05	-4.07	--	--
6	4.82	-4.98	4.58	-5.13	5.07	-4.28	4.67	-4.84	3.96	-3.90	--	--
7	4.97	-3.85	4.83	-4.83	4.66	-4.16	4.11	-4.40	4.06	-3.12	--	--
8	4.96	-3.84	4.95	-3.94	4.25	-4.24	3.86	-4.47	4.18	-2.68	--	--
9	4.63	-3.92	4.54	-4.29	3.93	-4.43	3.57	-4.45	3.96	-3.04	--	--
10	4.24	-3.33	4.16	-4.64	4.08	-4.40	3.97	-3.99	4.02	-3.35	--	--
11	3.99	-4.00	3.92	-4.60	4.36	-4.27	5.11	-2.63	3.93	-3.34	4.13	-3.27
12	3.72	-4.44	4.41	-4.81	4.30	-4.27	4.77	-2.20	3.76	-3.58	4.42	-3.30
13	3.76	-4.72	4.89	-4.09	4.32	-4.07	4.03	-3.77	4.08	-3.77	4.22	-3.35
14	4.20	-4.99	5.09	-3.75	4.23	-4.44	3.93	-3.77	4.37	-3.55	4.33	-3.42
15	4.84	-4.78	4.87	-3.91	3.97	-3.97	3.72	-4.05	4.30	-3.22	4.25	-3.32
16	4.08	-5.83	4.53	-4.51	4.08	-3.97	3.93	-4.03	--	--	4.09	-3.34
17	4.88	-5.31	4.39	-4.67	4.01	-3.71	3.60	-3.99	--	--	3.45	-3.85
18	4.74	-4.75	4.27	-4.59	4.21	-3.56	3.54	-4.04	--	--	4.15	-3.45
19	4.51	-4.53	4.24	-4.33	3.59	-3.21	3.07	-4.19	--	--	4.24	-2.48
20	4.07	-4.26	4.00	-4.04	3.14	-3.72	2.95	-4.68	--	--	4.54	-2.50
21	3.70	-4.31	3.95	-3.48	3.19	-3.62	3.17	-3.93	--	--	4.59	-2.83
22	3.55	-4.03	3.95	-3.22	3.24	-3.18	3.28	-3.52	--	--	4.43	-3.58
23	3.47	-3.59	3.79	-2.93	3.39	-3.00	3.07	-4.00	--	--	4.63	-4.03
24	2.77	-3.65	3.75	-2.63	3.28	-3.20	3.25	-4.10	--	--	5.14	-4.19
25	3.06	-2.52	3.31	-2.82	3.30	-3.25	3.22	-4.30	--	--	5.30	-4.34
26	2.91	-3.08	3.49	-2.56	4.22	-3.72	3.68	-4.65	--	--	5.43	-4.28
27	2.76	-3.36	3.71	-2.71	5.19	-2.36	4.42	-4.88	--	--	5.33	-4.20
28	3.26	-2.88	3.66	-3.73	5.44	-2.92	5.07	-5.07	--	--	5.17	-4.43
29	3.83	-3.41	4.21	-3.66	5.41	-4.01	5.15	-5.56	--	--	4.81	-4.58
30	3.52	-5.00	5.90	-3.69	5.55	-4.66	5.26	-5.87	--	--	4.96	-3.96
31	--	--	5.94	-3.17	--	--	5.09	-5.76	--	--	--	--
MONTH	4.97	-5.83	5.94	-5.20	5.74	-4.66	5.45	-5.87	--	--	--	--

BRUNSWICK RIVER BASIN

022261796 BRUNSWICK RIVER AT JEKYLL ISLAND NEAR BRUNSWICK, GA.
(Formerly published as Brunswick River [Clam Creek Road-Jekyll Island] near Brunswick, Ga.)

LOCATION.--Lat 31°07'02", long 81°25'04", Glynn County, Hydrologic Unit 03070203, on landward side of Jekyll Island fishing pier, at north end of Jekyll Island on Clam Creek Road, 5.0 mi southeast of Brunswick Post Office.

PERIOD OF RECORD.--June 1988 to January 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.01 ft, Feb. 7, 1993; minimum elevation recorded, -6.78 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT PERIOD.--

WATER YEAR 1996: Maximum elevation, 5.41 ft, May 31; minimum elevation, -6.53 ft, Mar. 19.

OCTOBER 1996 TO JANUARY 1997: Maximum elevation, 5.30 ft, Nov 16; minimum elevation, -6.29 ft, Jan. 10.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.02	-1.78	3.83	-3.23	3.77	-3.59	3.75	-2.96	3.52	-3.51	3.18	-2.79
2	4.83	-2.13	3.82	-3.69	3.52	-3.76	4.31	-3.12	3.86	-2.77	3.88	-3.10
3	4.76	-2.41	3.87	-3.93	3.85	-3.65	3.63	-4.32	4.00	-3.30	3.46	-3.54
4	4.78	-2.64	3.82	-3.93	3.75	-3.66	3.19	-4.86	3.65	-3.30	3.61	-4.06
5	4.12	-3.92	4.50	-3.24	4.02	-3.85	3.79	-3.67	3.60	-3.55	3.45	-3.97
6	4.22	-3.99	4.67	-3.11	4.04	-3.49	3.86	-3.61	3.68	-3.98	3.06	-4.78
7	4.17	-3.95	4.42	-3.36	3.73	-3.21	3.96	-4.81	3.50	-3.81	2.84	-5.13
8	4.56	-3.81	3.51	-4.35	4.80	-2.07	1.88	-5.39	3.33	-4.27	2.30	-6.13
9	5.21	-2.58	4.15	-3.09	4.12	-2.66	2.50	-4.41	2.52	-4.85	3.36	-4.28
10	5.22	-1.88	4.07	-2.49	3.50	-3.10	2.71	-4.39	2.92	-3.81	3.71	-2.70
11	4.98	-2.02	3.76	-3.06	3.12	-3.02	3.34	-2.83	2.96	-4.05	3.96	-1.73
12	4.66	-1.73	3.20	-3.16	3.36	-2.87	3.33	-3.63	2.35	-4.45	4.19	-2.82
13	4.54	-1.52	3.37	-2.12	3.33	-2.37	2.99	-3.04	2.54	-3.85	3.96	-3.32
14	4.03	-1.54	3.44	-2.10	3.33	-2.48	2.89	-3.14	2.43	-4.74	3.59	-4.06
15	3.78	-2.14	2.75	-2.78	2.90	-2.86	2.80	-4.05	3.20	-4.78	3.41	-4.55
16	3.77	-1.29	2.92	-2.64	2.92	-2.98	3.32	-3.74	3.75	-5.75	3.96	-4.80
17	4.11	-.95	3.18	-2.56	4.05	-2.31	4.24	-4.14	4.06	-5.69	4.13	-4.86
18	3.79	-1.02	3.44	-2.90	4.58	-3.21	4.56	-4.07	4.49	-6.17	4.78	-4.75
19	4.13	-1.01	3.89	-3.71	4.75	-4.98	4.73	-5.50	4.77	-5.01	3.95	-6.53
20	4.21	-2.48	4.23	-3.90	3.75	-5.05	4.55	-5.72	4.36	-4.98	2.62	-6.45
21	3.94	-2.83	4.48	-4.11	5.19	-4.57	5.03	-4.62	4.15	-5.07	3.27	-6.21
22	4.33	-3.15	4.92	-4.76	5.30	-4.55	4.97	-4.67	3.82	-4.62	3.56	-4.97
23	4.68	-3.16	5.23	-4.33	5.17	-4.65	4.52	-4.54	3.54	-4.21	3.52	-4.13
24	4.79	-3.79	5.02	-4.45	4.73	-4.71	3.95	-4.71	3.33	-3.97	3.21	-3.58
25	4.77	-4.05	4.99	-4.21	4.07	-4.83	3.65	-4.17	2.93	-3.33	3.19	-3.06
26	4.75	-4.13	4.61	-4.14	4.18	-4.60	3.79	-3.23	2.78	-3.18	3.07	-3.30
27	4.75	-3.55	4.24	-4.01	3.65	-4.00	3.25	-4.32	2.33	-3.06	2.33	-3.00
28	4.27	-3.93	3.78	-3.89	3.66	-3.22	2.23	-2.36	2.35	-3.14	3.11	-2.80
29	4.19	-3.25	3.36	-3.95	3.51	-2.67	2.89	-2.75	2.48	-3.10	2.69	-2.55
30	4.51	-2.28	3.65	-2.86	3.48	-2.97	2.91	-3.26	---	---	3.09	-2.56
31	4.21	-2.70	---	---	3.51	-3.01	2.97	-3.54	---	---	3.75	-2.52
MONTH	5.22	-4.13	5.23	-4.76	5.30	-5.05	5.03	-5.72	4.77	-6.17	4.78	-6.53

[illegible]

BRUNSWICK RIVER BASIN

022261796 BRUNSWICK RIVER AT JEKYLL ISLAND NEAR BRUNSWICK, GA.-- Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.28	-2.92	3.45	-2.22	3.07	-2.71	3.16	-2.39	---	---	---	---
2	4.05	-2.31	2.38	-3.07	2.58	-2.66	3.15	-2.35	---	---	---	---
3	3.83	-2.05	3.35	-1.29	2.82	-2.13	2.97	-2.96	---	---	---	---
4	4.37	-.29	3.53	-1.30	2.98	-1.92	2.83	-3.31	---	---	---	---
5	4.35	-.14	3.31	-2.00	3.43	-2.86	3.33	-4.27	---	---	---	---
6	4.49	-.10	3.37	-2.20	2.92	-3.20	3.58	-4.27	---	---	---	---
7	5.05	.89	3.73	-2.43	3.55	-3.89	4.29	-4.28	---	---	---	---
8	3.56	-2.30	3.95	-3.44	4.30	-4.15	5.15	-4.08	---	---	---	---
9	3.77	-2.68	3.69	-3.65	3.67	-4.53	5.25	-4.72	---	---	---	---
10	4.01	-2.80	3.93	-3.68	4.75	-3.81	4.13	-6.29	---	---	---	---
11	4.45	-2.71	4.26	-3.94	4.61	-4.37	3.77	-5.94	---	---	---	---
12	4.78	-2.22	4.35	-3.84	4.66	-4.61	4.00	-5.03	---	---	---	---
13	4.69	-2.41	4.47	-3.62	4.80	-4.59	3.79	-4.29	---	---	---	---
14	4.75	-2.83	4.52	-3.35	4.87	-3.78	3.94	-3.38	---	---	---	---
15	4.26	-3.24	4.97	-1.81	4.92	-2.91	3.98	-3.10	---	---	---	---
16	4.37	-3.11	5.30	-1.50	4.88	-2.61	3.80	-5.00	---	---	---	---
17	4.26	-2.79	4.60	-2.58	4.59	-3.02	2.59	-4.23	---	---	---	---
18	4.25	-2.63	4.18	-3.25	3.94	-3.24	2.63	-4.06	---	---	---	---
19	4.25	-2.54	3.97	-3.32	3.79	-4.73	3.29	-3.89	---	---	---	---
20	4.04	-2.94	4.20	-3.24	3.12	-4.32	3.16	-3.90	---	---	---	---
21	4.10	-3.35	4.68	-3.92	3.95	-4.19	3.78	-4.12	---	---	---	---
22	4.35	-3.31	4.45	-3.92	4.16	-3.55	3.77	-3.78	---	---	---	---
23	4.47	-3.87	4.94	-3.18	3.88	-4.05	3.26	-4.19	---	---	---	---
24	4.52	-3.94	4.66	-3.64	3.78	-4.26	3.55	-4.32	---	---	---	---
25	4.73	-3.94	4.41	-3.89	3.50	-4.69	3.49	-4.32	---	---	---	---
26	4.77	-3.97	3.43	-4.52	3.91	-3.35	3.47	-4.01	---	---	---	---
27	4.71	-4.06	4.19	-4.31	3.47	-3.58	3.47	-3.11	---	---	---	---
28	4.48	-3.74	3.84	-2.93	3.35	-3.40	2.82	-3.48	---	---	---	---
29	4.31	-3.46	3.74	-2.69	3.30	-3.03	3.35	-2.14	---	---	---	---
30	4.23	-2.73	3.61	-2.20	3.05	-2.98	3.35	-2.39	---	---	---	---
31	3.69	-2.77	---	---	2.85	-2.68	---	---	---	---	---	---
MONTH	5.05	-4.06	5.30	-4.52	4.92	-4.73	---	---	---	---	---	---

BRUNSWICK RIVER BASIN

022261798 MAKAY RIVER AT TORRAS CAUSEWAY NEAR BRUNSWICK, GA.

LOCATION.--Lat 31°10'17", long 81°25'37", Glynn County, Hydrologic Unit 03070203, at downstream side of fish pier (Old Torros Causeway), 20 ft downstream of Torras Causeway, approximately 3.5 mi upstream of St. Simons Sound, and 4.2 mi east-northeast of Brunswick Post Office.

PERIOD OF RECORD.--July 1988 to January 1997 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.43 ft, Sept. 24, 1992; minimum elevation, -6.74 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT PERIOD.--

WATER YEAR 1996: Maximum elevation, 5.67 ft, May 31; minimum elevation, -6.33 ft, Mar. 20.

OCTOBER 1996 TO JANUARY 1997: Maximum elevation, 5.53 ft, Nov. 16; minimum elevation, -6.18 ft, Jan. 10.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.28	-1.71	4.08	-3.18	4.02	-3.50	4.00	-2.85	3.76	-3.47	3.45	-2.74
2	5.08	-2.05	4.05	-3.64	3.80	-3.71	4.55	-3.02	4.11	-2.66	4.14	-2.88
3	5.00	-2.38	4.09	-3.88	4.10	-3.55	3.88	-4.16	4.18	-3.23	3.72	-3.40
4	5.01	-2.55	4.00	-3.88	4.00	-3.62	3.43	-4.78	3.88	-3.25	3.87	-3.96
5	4.38	-3.70	4.71	-3.19	4.28	-3.79	4.00	-3.59	3.84	-3.45	3.74	-3.90
6	4.46	-3.96	4.88	-3.05	4.26	-3.41	4.07	-3.57	3.91	-3.90	3.37	-4.63
7	4.35	-3.91	4.63	-3.26	3.98	-3.16	4.19	-4.74	3.77	-3.77	3.17	-5.06
8	4.76	-3.80	3.71	-4.29	5.02	-1.99	2.17	-5.33	3.62	-4.19	2.54	-6.05
9	5.42	-2.52	4.34	-3.04	4.35	-2.58	2.73	-4.33	2.78	-4.79	3.61	-4.20
10	5.46	-1.85	4.28	-2.44	3.73	-3.04	3.00	-4.31	3.19	-3.76	3.91	-2.62
11	5.18	-1.98	4.01	-2.95	3.37	-2.94	3.58	-2.74	3.24	-4.00	4.17	-1.62
12	4.88	-1.66	3.41	-3.13	3.56	-2.79	3.56	-3.54	2.67	-4.39	4.46	-2.73
13	4.74	-1.43	3.62	-2.06	3.60	-2.31	3.28	-2.91	2.83	-3.74	4.19	-3.21
14	4.27	-1.43	3.63	-1.96	3.60	-2.37	3.20	-3.04	2.69	-4.64	3.87	-4.00
15	3.97	-2.12	2.98	-2.66	3.18	-2.74	3.07	-3.97	3.48	-4.70	3.69	-4.48
16	3.96	-1.18	3.20	-2.56	3.20	-2.90	3.56	-3.66	3.96	-5.66	4.22	-4.57
17	4.30	-.85	3.44	-2.48	4.24	-2.20	4.46	-4.06	4.25	-5.64	4.38	-4.77
18	4.03	-.94	3.68	-2.79	4.82	-3.12	4.84	-4.06	4.78	-6.02	5.07	-4.66
19	4.37	-.96	4.11	-3.62	4.99	-4.81	4.94	-5.38	5.08	-4.91	4.25	-6.30
20	4.46	-2.49	4.46	-3.63	3.98	-4.93	4.74	-5.63	4.61	-4.85	2.94	-6.33
21	4.16	-2.74	4.71	-4.04	5.37	-4.49	5.28	-4.54	4.45	-4.97	3.57	-6.07
22	4.54	-3.13	5.12	-4.69	5.47	-4.48	5.17	-4.54	4.14	-4.51	3.86	-4.90
23	4.89	-3.10	5.44	-4.25	5.37	-4.54	4.75	-4.43	3.96	-4.14	3.83	-4.05
24	5.02	-3.71	5.22	-4.36	4.92	-4.60	4.24	-4.59	3.64	-3.86	3.61	-3.50
25	4.98	-4.03	5.22	-4.14	4.28	-4.72	3.87	-4.12	3.28	-3.23	3.54	-2.98
26	4.98	-4.07	4.86	-4.04	4.38	-4.54	4.03	-3.14	3.10	-3.03	3.29	-3.22
27	4.98	-3.49	4.49	-3.92	3.90	-3.94	3.57	-4.24	2.64	-2.94	2.63	-2.93
28	4.44	-3.88	4.04	-3.80	3.91	-3.11	2.50	-2.27	2.65	-3.04	3.40	-2.71
29	4.42	-3.19	3.65	-3.89	3.75	-2.55	3.19	-2.63	2.80	-3.01	2.94	-2.48
30	4.71	-2.21	3.90	-2.79	3.75	-2.86	3.20	-3.18	---	---	3.39	-2.46
31	4.45	-2.63	---	---	3.77	-2.97	3.21	-3.47	---	---	3.98	-2.39
MONTH	5.46	-4.07	5.44	-4.69	5.47	-4.93	5.28	-5.63	5.08	-6.02	5.07	-6.33

BRUNSWICK RIVER BASIN

022261798 MAKAY RIVER AT TORRAS CAUSEWAY NEAR BRUNSWICK, GA.-- Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3.99	-3.67	4.22	-4.31	5.45	-3.63	4.96	-5.30	4.53	-5.31	4.78	-2.98
2	4.08	-4.24	4.45	-4.14	5.51	-3.98	5.18	-5.27	4.23	-5.37	4.41	-3.09
3	4.29	-4.22	4.65	-4.54	5.28	-4.15	4.69	-5.11	3.91	-4.97	4.12	-3.06
4	4.17	-4.45	4.70	-4.56	5.12	-4.06	5.08	-5.11	3.91	-4.41	4.07	-2.49
5	4.10	-4.95	4.53	-4.78	4.84	-4.05	4.99	-4.11	3.76	-3.90	3.95	-1.55
6	4.61	-4.65	4.38	-4.82	4.84	-3.92	4.48	-4.46	3.67	-3.73	3.25	-2.75
7	4.79	-3.50	4.68	-4.53	4.49	-3.83	3.91	-4.21	3.78	-3.03	3.48	-2.83
8	4.56	-3.48	4.69	-3.63	4.08	-4.07	3.64	-4.24	3.89	-2.71	3.61	-2.99
9	4.44	-3.57	4.36	-3.97	3.77	-4.19	3.35	-4.25	3.67	-2.96	3.46	-2.95
10	4.04	-3.16	4.00	-4.36	3.88	-4.20	3.75	-3.81	3.73	-3.28	3.63	-3.19
11	3.82	-3.76	3.75	-4.33	4.14	-4.07	4.81	-2.46	3.63	-3.13	3.85	-3.13
12	3.56	-4.21	4.22	-4.50	4.13	-4.05	4.54	-2.32	3.51	-3.38	4.14	-3.04
13	3.57	-4.49	4.67	-3.80	4.11	-3.82	3.75	-3.59	3.79	-3.56	3.96	-3.11
14	3.99	-4.68	4.86	-3.47	3.99	-4.20	3.72	-3.62	4.06	-3.35	4.05	-3.23
15	4.62	-4.46	4.68	-3.55	3.77	-3.78	3.48	-3.87	3.96	-3.11	3.99	-3.10
16	3.89	-5.47	4.37	-4.22	3.91	-3.71	3.66	-3.80	3.85	-3.13	3.86	-3.12
17	4.70	-4.95	4.19	-4.36	3.81	-3.43	3.33	-3.85	3.77	-3.37	3.22	-3.56
18	4.52	-4.44	4.11	-4.23	4.01	-3.30	3.29	-3.80	3.58	-3.10	3.87	-3.29
19	4.34	-4.18	4.10	-4.06	3.42	-2.90	2.80	-3.98	3.64	-3.14	3.97	-2.38
20	3.87	-3.98	3.87	-3.70	2.86	-3.53	2.57	-4.50	3.82	-2.47	4.23	-2.37
21	3.51	-3.98	3.80	-3.17	3.03	-3.43	2.97	-3.81	3.95	-2.64	4.31	-2.59
22	3.30	-3.74	3.71	-2.97	3.03	-3.04	3.03	-3.31	4.03	-2.71	4.18	-3.43
23	3.19	-3.46	3.62	-2.63	3.17	-2.85	2.87	-3.80	4.01	-3.16	4.35	-3.74
24	2.46	-3.50	3.64	-2.41	3.04	-3.04	2.97	-3.99	4.05	-3.66	4.84	-3.91
25	2.84	-2.58	3.14	-2.84	3.09	-3.24	2.98	-4.12	4.38	-4.41	4.98	-4.03
26	2.74	-3.05	3.30	-2.44	4.00	-3.49	3.40	-4.53	4.56	-4.79	5.10	-3.98
27	2.51	-3.31	3.51	-2.54	4.91	-2.13	4.09	-4.68	5.00	-4.94	5.02	-3.81
28	3.04	-2.80	3.47	-3.49	5.20	-2.75	4.73	-4.85	4.98	-5.09	4.86	-4.07
29	3.60	-3.27	4.05	-3.42	5.19	-3.74	4.83	-5.28	5.13	-4.85	4.52	-4.24
30	3.30	-4.72	5.55	-3.42	5.31	-4.34	4.92	-5.56	5.26	-4.19	4.67	-3.64
31	---	---	5.67	-2.85	---	---	4.76	-5.36	5.13	-3.26	---	---
MONTH	4.79	-5.47	5.67	-4.82	5.51	-4.34	5.18	-5.56	5.26	-5.37	5.10	-4.24

BRUNSWICK RIVER BASIN

022261798 MAKAY RIVER AT TORRAS CAUSEWAY NEAR BRUNSWICK, GA.-- Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.46	-2.88	3.62	-2.20	3.28	-2.64	3.40	-2.33	--	--	--	--
2	4.27	-2.24	2.51	-3.04	2.79	-2.63	3.38	-2.27	--	--	--	--
3	4.05	-1.99	3.52	-1.29	3.06	-2.04	3.19	-2.90	--	--	--	--
4	4.52	-.20	3.70	-1.27	3.19	-1.84	3.04	-3.26	--	--	--	--
5	4.49	-.12	3.54	-1.97	3.61	-2.80	3.54	-4.23	--	--	--	--
6	4.68	-.07	3.57	-2.18	3.16	-3.13	3.77	-4.21	--	--	--	--
7	5.25	.92	3.93	-2.38	3.74	-3.91	4.45	-4.25	--	--	--	--
8	3.80	-2.26	4.16	-3.37	4.43	-3.96	5.31	-4.06	--	--	--	--
9	3.96	-2.59	3.88	-3.64	3.85	-4.51	5.48	-4.62	--	--	--	--
10	4.20	-2.77	4.11	-3.66	4.91	-3.78	4.31	-6.18	--	--	--	--
11	4.61	-2.69	4.41	-3.94	4.77	-4.31	3.99	-5.88	--	--	--	--
12	4.96	-2.23	4.48	-3.83	4.83	-4.56	4.18	-4.98	--	--	--	--
13	4.88	-2.39	4.61	-3.61	4.97	-4.53	3.97	-4.28	--	--	--	--
14	4.97	-2.79	4.68	-3.33	5.03	-3.78	4.13	-3.33	--	--	--	--
15	4.46	-3.22	5.12	-1.78	5.10	-2.88	4.20	-2.96	--	--	--	--
16	4.56	-3.10	5.53	-1.45	5.09	-2.54	4.07	-4.98	--	--	--	--
17	4.47	-2.77	4.86	-2.52	4.83	-2.94	2.80	-4.21	--	--	--	--
18	4.47	-2.58	4.39	-3.18	4.16	-3.22	2.83	-4.01	--	--	--	--
19	4.47	-2.51	4.17	-3.29	3.97	-4.69	3.50	-3.86	--	--	--	--
20	4.23	-2.89	4.39	-3.23	3.28	-4.29	3.37	-3.85	--	--	--	--
21	4.28	-3.32	4.86	-3.90	4.14	-4.27	3.97	-4.05	--	--	--	--
22	4.54	-3.28	4.62	-3.91	4.33	-3.52	3.98	-3.72	--	--	--	--
23	4.62	-3.74	5.10	-3.17	4.09	-4.01	3.51	-4.15	--	--	--	--
24	4.68	-3.93	4.84	-3.61	3.99	-4.22	3.78	-4.24	--	--	--	--
25	4.89	-3.92	4.58	-3.88	3.68	-4.67	3.71	-4.24	--	--	--	--
26	4.92	-3.94	3.61	-4.53	4.11	-3.30	3.69	-3.99	--	--	--	--
27	4.86	-4.02	4.32	-4.34	3.69	-3.54	3.74	-3.04	--	--	--	--
28	4.65	-3.72	4.01	-2.93	3.57	-3.37	3.08	-3.42	--	--	--	--
29	4.47	-3.44	3.92	-2.68	3.54	-2.94	3.51	-2.02	--	--	--	--
30	4.39	-2.71	3.81	-2.13	3.29	-2.94	3.54	-2.21	--	--	--	--
31	3.85	-2.70	--	--	3.10	-2.60	--	--	--	--	--	--
MONTH	5.25	-4.02	5.53	-4.53	5.10	-4.69	--	--	--	--	--	--

BRUNSWICK RIVER BASIN

02226180 BRUNSWICK RIVER AT VILLAGE PIER AT ST. SIMONS ISLAND, GA.

LOCATION.--Lat 31°07'59", long 81°23'49", Glynn County, Hydrologic Unit 03070203, at downstream side of Village Pier, on St. Simons Island.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.00 ft, Feb. 7, 1993; minimum elevation recorded, -7.35 ft, March 13, 1993, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.47 ft, May 31; minimum elevation, -6.36 ft, Mar. 19.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.81	-1.89	3.79	-3.26	3.79	-3.45	3.78	-2.81	3.55	-3.23	3.24	-2.65
2	4.64	-2.22	3.70	-3.69	3.57	-3.63	4.38	-3.07	3.92	-2.89	3.92	-3.01
3	4.59	-2.49	3.81	-3.89	3.85	-3.53	3.65	-4.28	3.99	-3.14	3.48	-3.39
4	4.56	-2.72	3.72	-3.89	3.74	-3.56	3.19	-4.73	3.69	-3.18	3.61	-3.93
5	3.98	-3.98	4.47	-3.20	4.04	-3.71	3.80	-3.55	3.61	-3.38	3.49	-3.82
6	4.09	-4.00	4.60	-3.10	4.08	-3.35	3.88	-3.48	3.74	-3.84	3.05	-4.61
7	4.00	-3.99	4.36	-3.34	3.76	-3.09	3.99	-4.69	3.56	-3.67	2.87	-5.02
8	4.46	-3.84	3.38	-4.37	4.75	-1.96	1.92	-5.31	3.36	-4.13	2.29	-5.96
9	5.03	-2.61	4.09	-3.08	4.10	-2.55	2.52	-4.26	2.52	-4.69	3.38	-4.13
10	5.10	-1.91	3.99	-2.48	3.50	-2.99	2.76	-4.26	3.00	-3.67	3.84	-2.57
11	4.83	-2.06	3.67	-3.03	3.12	-2.93	3.38	-2.68	3.00	-3.90	3.96	-1.61
12	4.51	-1.77	3.10	-3.14	3.32	-2.76	3.35	-3.52	2.39	-4.34	4.20	-2.70
13	4.39	-1.60	3.28	-2.11	3.35	-2.26	3.05	-2.91	2.55	-3.73	4.01	-3.21
14	3.92	-1.58	3.37	-2.07	3.36	-2.37	2.92	-3.02	2.46	-4.66	3.67	-3.95
15	3.61	-2.18	2.66	-2.79	2.89	-2.71	2.81	-3.91	3.21	-4.60	3.46	-4.43
16	3.66	-1.36	2.95	-2.57	2.97	-2.86	3.33	-3.59	3.76	-5.59	3.98	-4.66
17	3.95	-1.03	3.16	-2.45	4.05	-2.16	4.26	-3.99	4.11	-5.52	4.18	-4.72
18	3.63	-1.04	3.44	-2.79	4.58	-3.08	4.69	-3.98	4.54	-6.00	4.82	-4.62
19	3.97	-1.02	3.93	-3.59	4.81	-4.84	4.73	-5.31	4.85	-4.87	4.07	-6.36
20	4.10	-2.48	4.25	-3.80	3.80	-4.86	4.58	-5.58	4.40	-4.82	2.59	-6.32
21	3.85	-2.87	4.50	-3.99	5.27	-4.44	5.11	-4.47	4.17	-4.92	3.26	-6.09
22	4.20	-3.16	4.94	-4.64	5.42	-4.40	5.07	-4.51	3.81	-4.47	3.58	-4.81
23	4.61	-3.17	5.28	-4.17	5.25	-4.45	4.61	-4.37	3.42	-4.09	3.52	-4.01
24	4.69	-3.81	5.08	-4.32	4.79	-4.53	4.01	-4.49	3.32	-3.83	3.17	-3.45
25	4.71	-4.04	5.05	-4.08	4.12	-4.65	3.67	-4.02	2.99	-3.21	3.17	-2.95
26	4.67	-4.14	4.66	-4.01	4.24	-4.45	3.83	-3.08	2.76	-3.08	3.06	-3.20
27	4.73	-3.53	4.28	-3.88	3.71	-3.87	3.31	-4.20	2.31	-2.97	2.29	-2.92
28	4.17	-3.91	3.80	-3.78	3.71	-3.07	2.23	-2.26	2.35	-3.10	3.10	-2.72
29	4.05	-3.26	3.38	-3.82	3.53	-2.57	2.92	-2.65	2.44	-2.99	2.65	-2.48
30	4.40	-2.32	3.65	-2.78	3.51	-2.87	2.90	-3.10	---	---	3.10	-2.47
31	4.10	-2.71	---	---	3.50	-2.89	2.98	-3.42	---	---	3.75	-2.44
MONTH	5.10	-4.14	5.28	-4.64	5.42	-4.86	5.11	-5.58	4.85	-6.00	4.82	-6.36

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware-Pierce County line, Hydrologic Unit 03070201, on downstream side of pier near center span of bridge on State Highway 38, 3 mi northeast of Waycross, and 16 mi upstream from Alabama River.

DRAINAGE AREA.--1,200 mi², approximately.

PERIOD OF RECORD.--April 1937 to current year.

REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area. WDR GA-87- 1: 1986.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft above sea level. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 4, 1948.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 5	1900	*2,430	*13.12

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	88	30	33	53	104	186	1770	238	37	34	16	165
2	84	29	32	170	110	223	1980	232	40	32	24	199
3	78	29	32	123	145	222	2160	277	48	30	31	176
4	67	30	31	116	150	225	2310	361	55	51	21	224
5	73	29	30	135	166	219	2410	446	85	45	18	204
6	57	28	33	148	186	209	2410	483	104	44	18	227
7	49	56	33	177	204	361	2330	488	107	37	21	223
8	44	104	31	175	213	521	2080	487	144	33	18	226
9	40	69	30	157	194	622	1780	434	148	31	16	203
10	38	62	34	137	170	755	1520	338	103	34	16	207
11	38	82	34	121	150	998	1290	251	78	36	121	317
12	36	84	32	114	133	1300	1120	195	66	35	250	201
13	35	77	33	104	122	1480	990	161	57	31	208	125
14	61	79	36	96	115	1510	889	142	53	43	299	91
15	148	71	40	91	114	1380	790	130	66	41	408	71
16	105	64	42	87	123	1160	692	115	70	30	412	57
17	85	61	42	84	126	926	590	99	79	27	346	49
18	73	57	41	82	138	1020	491	83	78	25	290	42
19	62	53	55	81	157	1140	414	73	64	24	247	36
20	52	48	54	90	191	1140	358	65	69	23	209	32
21	44	46	48	88	205	1150	310	59	83	90	165	29
22	39	43	47	80	203	1200	270	53	135	178	128	27
23	35	40	45	72	197	1260	234	49	100	71	102	24
24	34	40	45	76	193	1330	200	46	95	34	83	22
25	32	38	48	80	185	1380	168	43	76	36	69	21
26	29	37	47	77	173	1390	143	41	84	30	58	19
27	28	33	44	81	159	1280	126	39	77	23	51	18
28	52	31	42	81	151	1250	124	56	49	23	53	18
29	36	38	40	83	148	1250	147	56	42	22	77	18
30	32	36	38	92	---	1360	238	48	37	19	73	22
31	31	---	38	98	---	1570	---	42	---	17	83	---
TOTAL	1705	1524	1210	3249	4625	30017	30334	5630	2329	1229	3931	3293
MEAN	55.0	50.8	39.0	105	159	968	1011	182	77.6	39.6	127	110
MAX	148	104	55	177	213	1570	2410	488	148	178	412	317
MIN	28	28	30	53	104	186	124	39	37	17	16	18
CFSM	.05	.04	.03	.09	.13	.81	.84	.15	.06	.03	.11	.09
IN.	.05	.05	.04	.10	.14	.93	.94	.17	.07	.04	.12	.10

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	567	323	853	1486	2128	2353	1805	619	471	626	812	685
MAX	5135	5516	5551	6302	7789	7218	7487	2675	4838	2778	4128	4047
(WY)	1948	1948	1965	1987	1986	1959	1948	1964	1973	1963	1971	1949
MIN	7.52	9.13	17.6	48.3	74.4	91.1	68.4	21.5	21.0	10.1	12.4	7.34
(WY)	1955	1955	1955	1981	1989	1955	1938	1938	1954	1990	1954	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1937 - 1996

ANNUAL TOTAL	387283		89076									
ANNUAL MEAN	1061		243								1052	
HIGHEST ANNUAL MEAN											2910	1948
LOWEST ANNUAL MEAN											118	1981
HIGHEST DAILY MEAN	15300	Feb 16	2410			Apr 5					37000	Apr 4 1948
LOWEST DAILY MEAN	20	Sep 21	16			Aug 1,9,10					5.5	Oct 9 1990
ANNUAL SEVEN-DAY MINIMUM	23	Sep 16	18			Aug 4					5.6	Oct 3 1990
INSTANTANEOUS PEAK FLOW			2430			Apr 5					a39000	Apr 4 1948
INSTANTANEOUS PEAK STAGE			13.12			Apr 5					b2.40	Apr 4 1948
INSTANTANEOUS LOW FLOW			15			Aug 1					5.5	Oct 9 1990
ANNUAL RUNOFF (CFSM)	.88		.20								.88	
ANNUAL RUNOFF (INCHES)	12.01		2.76								11.91	
10 PERCENT EXCEEDS	3650		765								2920	
50 PERCENT EXCEEDS	98		80								348	
90 PERCENT EXCEEDS	33		30								34	

a From rating curve extended above 23,000 ft³/s based on slope-conveyance study.

b From floodmarks.

SATILLA RIVER BASIN

02226582 SATILLA RIVER NEAR HOBOKEN, GA.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at bridge on State Highway 121, 3 mi northeast of Hoboken.

DRAINAGE AREA.--1,350 mi², approximately.

PERIOD OF RECORD.--August 1974 to February 1994, December 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharges, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	PH WATER WHOLE LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 11...	1030	85	96	93	6.2	6.5	23.5	27.5	5.8	69
NOV 02...	1000	60	99	97	6.7	6.3	20.5	27.5	6.8	76
DEC 06...	1015	64	129	129	6.4	6.8	15.5	19.5	7.6	76
JAN 16...	1300	154	107	102	6.3	6.4	10.5	18.5	10.5	93
FEB 20...	0930	175	105	89	6.6	6.4	12.5	19.5	8.9	84
MAR 19...	0810	1040	77	72	6.1	5.8	16.0	12.5	7.6	78
APR 16...	0810	960	74	70	5.9	5.7	18.0	14.0	6.2	66
MAY 14...	0845	185	83	77	6.1	6.2	24.0	24.0	5.5	65
JUN 18...	0800	68	114	111	6.5	6.3	25.5	26.0	5.5	67
JUL 09...	0950	34	102	100	6.7	--	28.0	29.0	6.0	77
AUG 27...	0755	63	123	122	6.6	6.6	27.0	27.5	7.4	93
SEP 24...	0920	42	105	100	6.5	6.3	23.0	29.5	6.7	78

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	140	8.0	<1.0	140	10	4	0.340	<0.030	0.170	15
NOV 02...	150	4.0	1.1	80	12	1	0.500	<0.030	0.140	12
DEC 06...	140	2.0	<1.0	50	16	<1	0.580	<0.030	0.120	12
JAN 16...	100	3.0	1.5	<65	11	<1	0.190	0.150	0.110	15
FEB 20...	110	4.0	1.6	50	8	<1	0.210	0.130	0.140	16
MAR 19...	120	9.0	1.8	1700	4	5	0.060	<0.030	0.120	23
APR 16...	320	5.0	<1.0	<20	4	4	0.060	0.140	0.100	26
MAY 14...	160	8.0	1.2	<20	9	5	0.230	0.080	0.190	22
JUN 18...	90	6.0	1.2	--	11	<1	0.840	0.150	0.200	12
JUL 09...	140	8.0	1.1	40	--	<1	0.320	0.050	0.250	10
AUG 27...	190	7.0	<1.0	<20	8	<1	0.340	0.070	0.230	19
SEP 24...	180	5.0	1.0	80	12	1	0.350	<0.030	0.180	16

SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce-Wayne County line, Hydrologic Unit 03070202, on downstream end of right bank pier of steel truss span of Seaboard Coast Line Railroad bridge, 1,500 ft downstream from bridge on State Highway 38, 4 mi northeast of Offerman, and 16 mi upstream from mouth.

DRAINAGE AREA.--646 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 58.00 ft above sea level. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft upstream and Nov. 8, 1952, to Sept. 30, 1975, water-stage recorder at present site at datum 1.00 ft higher.

REMARKS.--Record good, except those for the period after June 15 and less than 20 ft³/s, which are fair to poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 9	1500	*1,120	*8.49

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	173	58	36	74	125	153	515	68	.58	3.7	22	8.5
2	146	47	41	155	126	205	593	89	.57	2.4	45	7.8
3	147	40	42	227	191	226	620	105	.55	1.6	82	7.4
4	166	37	41	257	241	212	598	97	.52	1.1	96	26
5	129	35	41	261	249	187	568	100	.52	.98	69	27
6	107	34	40	253	230	173	526	105	.52	.97	71	20
7	98	40	40	274	223	408	513	82	.50	11	64	13
8	88	165	38	289	240	888	465	56	.60	113	46	9.1
9	77	218	40	264	221	1100	410	38	.68	107	46	6.3
10	75	189	62	228	187	1040	364	27	.64	150	45	5.0
11	74	160	70	194	168	861	328	21	.55	143	177	64
12	73	146	72	177	152	650	292	20	.48	69	238	57
13	74	141	72	163	136	525	255	14	.45	41	175	39
14	71	133	73	154	123	424	223	8.3	1.6	25	174	21
15	161	119	75	148	115	357	199	5.3	13	15	152	12
16	189	107	75	139	162	314	184	3.5	51	11	130	8.8
17	159	97	76	129	240	277	163	2.5	75	9.2	108	10
18	150	85	79	123	248	348	141	1.8	113	7.3	81	13
19	121	75	92	127	220	525	120	1.5	166	5.3	55	12
20	90	67	107	122	203	588	102	1.3	136	3.7	37	9.7
21	67	60	110	123	205	561	84	1.0	103	2.9	29	8.4
22	50	52	108	120	202	494	72	.94	46	2.7	22	7.5
23	39	46	105	116	190	478	59	.84	23	3.9	15	5.2
24	32	41	104	114	174	451	44	.80	14	20	9.7	3.4
25	27	38	95	117	162	401	34	.79	7.3	34	7.5	2.3
26	23	38	84	114	154	364	26	.74	6.6	36	5.9	1.7
27	20	38	79	115	142	338	20	.72	16	37	4.3	1.4
28	20	40	74	123	132	335	14	1.0	14	51	3.6	1.5
29	40	36	72	124	132	340	13	.96	9.7	49	6.3	2.2
30	49	34	69	122	---	357	44	.70	5.8	37	14	2.8
31	50	---	66	126	---	430	---	.62	---	24	11	---
TOTAL	2785	2416	2178	5072	5293	14010	7589	855.31	808.16	1018.75	2041.3	413.0
MEAN	89.8	80.5	70.3	164	183	452	253	27.6	26.9	32.9	65.8	13.8
MAX	189	218	110	289	249	1100	620	105	166	150	238	64
MIN	20	34	36	74	115	153	13	.62	.45	.97	3.6	1.4
CFSM	.14	.12	.11	.25	.28	.70	.39	.04	.04	.05	.10	.02
IN.	.16	.14	.13	.29	.30	.81	.44	.05	.05	.06	.12	.02

SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	237	171	486	882	1099	1090	706	249	300	322	425	377
MAX	2148	1295	2586	4219	3773	3436	2791	2031	1343	1493	1630	2363
(WY)	1995	1986	1965	1987	1986	1959	1961	1979	1959	1964	1973	1953
MIN	.025	.16	.90	11.0	15.7	53.4	19.9	1.00	.43	.18	.23	.057
(WY)	1955	1955	1955	1981	1957	1955	1967	1967	1990	1990	1988	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951 - 1996	
ANNUAL TOTAL	237443.11		44479.52			
ANNUAL MEAN	651		122		530	
HIGHEST ANNUAL MEAN					1075	
LOWEST ANNUAL MEAN					75.0	
HIGHEST DAILY MEAN	9000		1100		16800	
LOWEST DAILY MEAN	.58		.45		.00	
ANNUAL SEVEN-DAY MINIMUM	.78		.54		.00	
INSTANTANEOUS PEAK FLOW			1120		17200	
INSTANTANEOUS PEAK STAGE			8.49		14.50	
INSTANTANEOUS LOW FLOW			.43		.00	
ANNUAL RUNOFF (CFSM)	1.01		.19		.82	
ANNUAL RUNOFF (INCHES)	13.67		2.56		11.15	
10 PERCENT EXCEEDS	1830		290		1450	
50 PERCENT EXCEEDS	125		72		148	
90 PERCENT EXCEEDS	3.2		2.3		1.6	

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, Hydrologic Unit 03070201, on left bank piling 25 ft upstream from bridge on U.S. Highway 82, 400 ft downstream from Seaboard Coast Line Railroad bridge, and 1 mi west of Atkinson.

DRAINAGE AREA.--2,790 mi², approximately.

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for March 1930, published in WSP 1304.

REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft above sea level. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of monthly discharge only are not included in the statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 ft in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 23	1600	*3,440	*11.38

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	948	191	182	223	373	486	2600	505	102	162	144	212
2	859	190	181	303	379	548	2680	479	98	145	136	249
3	753	193	183	375	432	621	2750	494	91	129	123	267
4	658	186	184	450	466	705	2830	522	90	117	113	378
5	593	178	183	573	527	774	2940	541	86	115	128	405
6	548	173	179	664	614	807	3060	545	84	108	154	436
7	495	174	175	702	671	907	3200	549	82	97	158	465
8	442	186	169	696	687	1170	3310	561	88	95	149	470
9	399	189	168	689	685	1430	3380	563	98	93	135	468
10	364	241	168	697	681	1660	3400	560	120	111	118	453
11	334	349	167	698	667	1920	3380	559	166	143	111	414
12	308	408	171	680	630	2200	3290	549	157	167	123	375
13	289	417	183	638	586	2460	3130	515	150	178	181	365
14	290	409	193	594	546	2650	2900	462	140	147	257	422
15	493	402	199	560	509	2750	2620	402	132	132	340	467
16	499	389	201	530	485	2690	2350	343	130	118	430	450
17	478	368	201	501	462	2550	2100	296	128	103	487	390
18	517	344	203	477	473	2670	1850	259	151	95	524	323
19	540	321	209	455	532	2990	1630	230	204	91	547	266
20	529	298	212	430	583	3170	1420	206	262	85	550	227
21	474	279	218	416	594	3220	1230	188	346	78	529	202
22	407	257	237	405	585	3300	1060	172	411	76	494	184
23	350	241	260	396	583	3410	916	159	373	72	450	167
24	303	228	269	391	582	3400	792	148	285	72	397	153
25	265	216	266	383	572	3230	695	136	245	91	343	142
26	236	207	258	374	553	3000	620	126	231	111	309	131
27	215	198	248	374	529	2750	552	117	213	117	310	123
28	201	191	235	372	505	2580	491	112	190	123	250	115
29	188	189	226	372	480	2500	441	108	173	140	237	110
30	179	185	220	375	---	2490	487	104	170	152	214	109
31	180	---	216	377	---	2540	---	101	---	153	200	---
TOTAL	13334	7797	6364	15170	15971	67578	62104	10611	5196	3616	8641	8938
MEAN	430	260	205	489	551	2180	2070	342	173	117	279	298
MAX	948	417	269	702	687	3410	3400	563	411	178	550	470
MIN	179	173	167	223	373	486	441	101	82	72	111	109
CFSM	.15	.09	.07	.18	.20	.78	.74	.12	.06	.04	.10	.11
IN.	.18	.10	.08	.20	.21	.90	.83	.14	.07	.05	.12	.12

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1495	829	1688	2871	4261	4711	3712	1339	1245	1447	1992	2060
MAX	12540	11850	13130	14350	14790	14430	17000	5981	8496	4870	7917	11630
(WY)	1948	1948	1948	1987	1991	1959	1948	1979	1973	1963	1971	1949
MIN	25.9	24.9	38.6	63.2	79.6	262	172	71.0	40.2	31.0	43.6	25.4
(WY)	1955	1955	1932	1932	1932	1955	1938	1938	1935	1990	1954	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	1000666		225320		2290	
ANNUAL MEAN	2742		616		7048	1948
HIGHEST ANNUAL MEAN					334	1981
LOWEST ANNUAL MEAN					67200	Apr 6 1948
HIGHEST DAILY MEAN	32600	Feb 19	3410	Mar 23	15	Sep 26 1990
LOWEST DAILY MEAN	99	Aug 22	72	Jul 23,24	16	Sep 25 1990
ANNUAL SEVEN-DAY MINIMUM	111	Aug 17	81	Jul 19	68100	Apr 6 1948
INSTANTANEOUS PEAK FLOW			3440	Mar 23	23.90	Apr 6 1948
INSTANTANEOUS PEAK STAGE			11.38	Mar 23	15	Sep 26 1990
INSTANTANEOUS LOW FLOW			70	Jul 23,24	.82	
ANNUAL RUNOFF (CFSM)	.98		.22		11.15	
ANNUAL RUNOFF (INCHES)	13.34		3.00		6060	
10 PERCENT EXCEEDS	7100		2130		905	
50 PERCENT EXCEEDS	532		357		113	
90 PERCENT EXCEEDS	181		117			

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW 1/4 sec. 8, T.1 N., R. 21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at downstream side of bridge on Florida Highway 2 and Georgia Highway 94, 0.2 mi upstream from Georgia Southern & Florida Railway bridge, 0.4 mi west of Moniac, 1.0 mi downstream from Moccasin Creek, and 122 mi upstream from mouth of St Marys River.

DRAINAGE AREA.--160 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published at St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to September 1989, October 1989 to July, 1990 (discharge measurements only), August, 1990 to current year.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft above sea level. Prior to June 30, 1934, nonrecording gage at site 800 ft downstream at datum 3.22 ft higher. Oct. 3, 1950 to Oct. 17, 1988, water-stage recorder, Oct. 17, 1988 to Aug. 10, 1990, non-recording gage, at present site and datum.

REMARKS.--Records good.

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	166	45	40	34	24	40	371	46	3.5	10	3.3	28
2	146	45	39	43	24	65	325	43	2.6	8.2	3.9	54
3	125	43	38	43	28	62	264	40	1.8	6.2	14	82
4	108	42	37	41	28	53	206	37	1.5	4.6	24	131
5	97	39	37	39	26	47	166	35	1.1	4.7	32	159
6	86	37	36	38	25	42	143	32	.81	9.4	34	163
7	77	38	36	37	24	45	151	31	.97	12	41	152
8	69	57	35	36	23	87	145	33	1.6	13	36	124
9	63	53	34	35	23	99	124	31	4.0	12	e35	95
10	61	48	35	34	23	78	103	28	4.0	30	e32	85
11	58	48	34	33	22	79	87	26	3.1	33	e33	109
12	55	56	33	33	22	82	77	24	2.3	32	e45	107
13	52	54	32	33	20	73	71	21	1.6	28	44	87
14	56	52	31	32	20	65	66	19	1.1	24	45	70
15	215	49	31	31	20	58	66	18	2.6	23	102	57
16	282	47	31	31	21	53	77	16	4.3	21	165	49
17	213	45	31	30	21	51	73	14	4.8	18	134	50
18	155	43	31	30	19	210	65	13	4.6	15	97	93
19	124	43	39	30	19	486	60	11	6.8	13	72	92
20	105	42	44	29	19	457	55	9.4	8.9	9.9	58	72
21	92	41	41	28	18	372	51	8.3	11	9.9	48	61
22	79	40	39	28	18	306	48	8.7	11	29	41	70
23	70	38	38	27	18	246	44	8.6	8.5	26	36	70
24	65	37	37	27	17	187	41	7.2	8.8	21	32	61
25	61	36	36	27	17	149	38	5.5	8.3	19	29	55
26	58	35	35	26	16	176	35	4.4	7.5	17	26	51
27	54	34	34	26	16	207	33	3.4	13	14	23	47
28	63	33	33	26	15	252	31	3.6	14	11	20	43
29	55	36	32	25	16	312	29	6.3	15	8.2	18	40
30	49	41	32	24	---	281	39	6.1	13	6.0	16	58
31	46	---	32	24	---	346	---	4.9	---	4.4	21	---
TOTAL	3005	1297	1093	980	602	5066	3084	594.4	172.08	492.5	1360.2	2415
MEAN	96.9	43.2	35.3	31.6	20.8	163	103	19.2	5.74	15.9	43.9	80.5
MAX	282	57	44	43	28	486	371	46	15	33	165	163
MIN	46	33	31	24	15	40	29	3.4	.81	4.4	3.3	28
CFSM	.61	.27	.22	.20	.13	1.02	.64	.12	.04	.10	.27	.50
IN.	.70	.30	.25	.23	.14	1.18	.72	.14	.04	.11	.32	.56

e Estimated

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	138	55.4	91.9	173	225	245	203	71.0	90.7	122	185	210
MAX	914	520	498	583	922	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1986	1959	1973	1964	1957	1928	1971	1928
MIN	.003	.000	.13	.19	.21	.40	.20	.23	.040	.000	.006	.023
(WY)	1955	1955	1955	1934	1934	1955	1934	1955	1954	1954	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1921 - 1996	
ANNUAL TOTAL	28230.18		20161.18		151	
ANNUAL MEAN	77.3		55.1		377	
HIGHEST ANNUAL MEAN					16.3	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	466	Sep 14	486	Mar 19	11400	Apr 5 1973
LOWEST DAILY MEAN	.00	May 31	.81	Jun 6	.00	a
ANNUAL SEVEN-DAY MINIMUM	.27	May 27	1.5	Jun 2	.00	b
INSTANTANEOUS PEAK FLOW			519	Mar 19	11600	Apr 5 1973
INSTANTANEOUS PEAK STAGE			10.34	Mar 19	22.98	Apr 5 1973
INSTANTANEOUS LOW FLOW			.70	Jun 6	.00	a
ANNUAL RUNOFF (CFSM)	.48		.34		.94	
ANNUAL RUNOFF (INCHES)	6.56		4.69		12.82	
10 PERCENT EXCEEDS	185		124		408	
50 PERCENT EXCEEDS	50		35		48	
90 PERCENT EXCEEDS	8.9		8.2		1.1	

a No flow at times some years

b Many seven-day periods with no flow

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.

LOCATION.--Lat 30°21'31", long 82°04'54", in NW¹/₄ sec. 2, T.2 S., R.22 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, on right bank 200 ft downstream from site of former Stokes Bridge, 1 mi downstream from confluence of North and South Prongs, 6 mi northeast of Macclenny, and 100 mi upstream from mouth.

DRAINAGE AREA.--700 mi², approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--October 1926 to current year.

REVISED RECORDS.--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above sea level (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939, to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft upstream at same datum.

REMARKS.--Records good.

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	773	188	271	164	120	120	1500	566	46	109	124	368
2	803	210	235	214	124	493	1540	591	42	81	261	646
3	785	250	208	286	143	768	1410	462	39	64	191	655
4	659	225	188	288	179	697	1230	350	37	53	188	570
5	559	203	174	255	179	540	1060	275	36	52	182	611
6	489	186	164	226	164	435	931	227	35	128	240	633
7	433	174	181	206	150	378	859	195	34	371	228	606
8	366	217	209	193	140	764	813	171	34	445	468	573
9	329	319	212	183	132	1190	755	155	34	374	391	540
10	427	290	207	177	126	1140	685	140	34	326	263	524
11	481	253	220	168	121	997	616	128	36	328	213	640
12	431	254	209	162	118	992	554	115	37	341	356	1080
13	370	281	192	160	111	950	503	105	36	336	401	1390
14	325	261	179	158	105	836	460	96	36	325	496	1200
15	993	235	170	152	101	727	433	88	40	311	761	893
16	1510	212	163	147	99	635	488	82	61	317	799	687
17	1320	195	158	142	99	558	517	76	79	275	713	561
18	1010	183	154	139	98	674	470	71	73	227	567	514
19	786	174	172	138	94	1570	422	66	64	189	449	502
20	644	166	279	138	91	1940	380	63	58	161	371	459
21	543	160	328	136	88	1820	342	62	56	139	323	403
22	462	155	290	132	86	1550	308	62	74	120	285	367
23	394	148	255	128	84	1310	279	58	90	107	251	352
24	341	142	228	125	81	1080	252	55	95	103	219	330
25	302	137	207	123	80	891	227	51	93	88	191	295
26	271	134	193	122	79	826	205	49	91	79	180	265
27	247	131	182	120	75	862	189	46	123	71	199	239
28	231	127	173	118	72	890	173	44	140	63	181	217
29	234	136	166	117	74	992	161	44	161	55	150	198
30	217	221	161	114	---	1010	251	45	147	48	129	193
31	198	---	157	113	---	1170	---	48	---	48	176	---
TOTAL	16933	5967	6285	5044	3213	28805	18013	4586	1961	5734	9946	16511
MEAN	546	199	203	163	111	929	600	148	65.4	185	321	550
MAX	1510	319	328	288	179	1940	1540	591	161	445	799	1390
MIN	198	127	154	113	72	120	161	44	34	48	124	193
CFSM	.78	.28	.29	.23	.16	1.33	.86	.21	.09	.26	.46	.79
IN.	.90	.32	.33	.27	.17	1.53	.96	.24	.10	.30	.53	.88

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	778	280	365	615	827	965	784	316	366	605	945	1057
MAX	6240	4155	2470	2404	2502	4928	6564	3303	2641	2183	3296	6340
(WY)	1948	1948	1948	1942	1970	1959	1973	1964	1957	1928	1945	1964
MIN	22.7	15.9	18.0	21.7	20.2	44.7	25.7	20.4	18.8	31.3	24.9	21.4
(WY)	1932	1932	1932	1932	1934	1932	1935	1932	1935	1954	1954	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR	FOR 1996 WATER YEAR	WATER YEARS 1927 - 1996
ANNUAL TOTAL	144121	122998	
ANNUAL MEAN	395	336	658
HIGHEST ANNUAL MEAN			2285
LOWEST ANNUAL MEAN			90.1
HIGHEST DAILY MEAN	2630	1940	27600
LOWEST DAILY MEAN	33	34	12
ANNUAL SEVEN-DAY MINIMUM	34	35	15
INSTANTANEOUS PEAK FLOW		1960	28100
INSTANTANEOUS PEAK STAGE		10.50	a23.25
INSTANTANEOUS LOW FLOW		33	b12
ANNUAL RUNOFF (CFSM)	.56	.48	.94
ANNUAL RUNOFF (INCHES)	7.66	6.54	12.76
10 PERCENT EXCEEDS	929	800	1630
50 PERCENT EXCEEDS	254	207	232
90 PERCENT EXCEEDS	69	64	38

a From floodmarks

b Observed

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	6.54	2.69	3.34	2.47	2.02	2.01	9.09	4.98	1.01	1.87	3.00	3.69
2	6.69	2.88	3.08	2.91	2.07	4.67	9.25	5.13	.96	1.55	3.20	5.38
3	6.60	3.19	2.87	3.44	2.26	6.16	8.78	4.37	.92	1.33	2.62	5.44
4	5.92	3.00	2.69	3.46	2.61	5.80	8.13	3.67	.89	1.18	2.57	4.96
5	5.36	2.83	2.55	3.23	2.61	4.97	7.48	3.16	.88	1.17	2.49	5.19
6	4.94	2.67	2.46	3.01	2.46	4.36	6.92	2.80	.86	2.03	2.97	5.32
7	4.59	2.56	2.63	2.85	2.33	4.03	6.55	2.53	.85	3.95	2.85	5.17
8	4.18	2.92	2.88	2.74	2.23	6.09	6.31	2.31	.85	4.40	4.43	4.97
9	3.93	3.66	2.90	2.64	2.15	7.97	6.00	2.16	.86	3.98	3.94	4.78
10	4.55	3.47	2.87	2.58	2.09	7.81	5.61	2.02	.87	3.68	3.06	4.68
11	4.89	3.21	2.97	2.50	2.03	7.24	5.22	1.90	.91	3.69	2.65	5.35
12	4.54	3.22	2.88	2.45	2.00	7.22	4.87	1.77	.93	3.77	3.66	7.55
13	4.14	3.41	2.73	2.42	1.93	7.03	4.56	1.66	.91	3.74	3.95	8.71
14	3.83	3.27	2.61	2.41	1.86	6.50	4.29	1.57	.91	3.67	4.52	8.02
15	7.15	3.08	2.52	2.35	1.82	5.95	4.12	1.49	.98	3.58	6.03	6.72
16	9.14	2.90	2.46	2.30	1.79	5.48	4.48	1.42	1.28	3.62	6.24	5.62
17	8.46	2.76	2.41	2.25	1.79	5.07	4.66	1.36	1.53	3.34	5.77	4.90
18	7.27	2.64	2.37	2.22	1.79	5.66	4.37	1.30	1.46	2.98	4.93	4.62
19	6.25	2.56	2.54	2.21	1.75	9.29	4.07	1.24	1.33	2.66	4.21	4.55
20	5.53	2.49	3.39	2.21	1.71	10.43	3.81	1.20	1.25	2.40	3.71	4.28
21	4.99	2.43	3.72	2.19	1.68	10.10	3.57	1.20	1.22	2.18	3.39	3.92
22	4.52	2.38	3.47	2.15	1.65	9.27	3.34	1.20	1.47	1.98	3.12	3.69
23	4.13	2.31	3.23	2.11	1.63	8.44	3.13	1.16	1.66	1.84	2.85	3.59
24	3.80	2.25	3.03	2.08	1.60	7.56	2.93	1.10	1.71	1.79	2.59	3.43
25	3.55	2.20	2.86	2.06	1.58	6.76	2.74	1.07	1.70	1.64	2.35	3.19
26	3.34	2.17	2.74	2.04	1.56	6.45	2.57	1.03	1.67	1.53	2.26	2.96
27	3.17	2.14	2.63	2.03	1.52	6.62	2.42	.99	2.02	1.43	2.42	2.76
28	3.05	2.10	2.55	2.01	1.49	6.76	2.28	.97	2.19	1.32	2.27	2.58
29	3.07	2.19	2.48	1.99	1.51	7.21	2.17	.98	2.39	1.21	1.97	2.41
30	2.95	2.95	2.43	1.95	---	7.28	2.92	.99	2.26	1.11	1.76	2.37
31	2.78	---	2.39	1.94	---	7.91	---	1.05	---	1.10	2.20	---
MEAN	4.96	2.75	2.80	2.43	1.91	6.71	4.89	1.93	1.29	2.44	3.35	4.69
MAX	9.14	3.66	3.72	3.46	2.61	10.43	9.25	5.13	2.39	4.40	6.24	8.71
MIN	2.78	2.10	2.37	1.94	1.49	2.01	2.17	.97	.85	1.10	1.76	2.37

WTR YR 1996

MEAN 3.35

MAX 10.43

MIN .85

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.--Lat 30°40'50", long 82°33'38", Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi upstream from Suwannoochee Creek, and 12 mi downstream from Mixons Ferry damsite.

DRAINAGE AREA.--About 1,260 mi², includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year.

Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.--WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft above sea level. Jan. 27, 1921 to Sept. 30, 1923, nonrecording gage at site 1,200 ft upstream at datum 3.00 ft higher. Jan. 27, 1927 to Dec. 31, 1931 and Apr. 20, 1937 to June 10, 1938, nonrecording gage at site 1,000 ft upstream at datum 1.00 ft higher, June 11, 1938 to Nov. 26, 1952, nonrecording gage at site 1,000 ft upstream at present datum. Oct. 14, 1960 to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi upstream.

REMARKS.--Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 2	1900	*2,720	*11.57	No other peak above base.			

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	1090	227	179	178	234	198	2660	730	60	38	52	124
2	1050	223	176	249	234	260	2710	741	56	36	58	183
3	997	226	171	325	314	291	2700	742	53	35	62	228
4	935	221	167	339	370	295	2660	738	52	37	57	236
5	873	213	165	339	375	294	2610	730	50	55	55	244
6	808	206	163	342	373	296	2550	714	50	77	59	247
7	745	200	161	348	373	303	2500	699	52	67	64	248
8	686	218	158	357	373	354	2430	e720	50	60	63	245
9	634	239	157	361	370	389	2350	e680	48	75	61	238
10	592	244	165	361	366	415	2250	633	45	111	63	231
11	556	248	177	360	356	463	2160	586	43	80	63	232
12	524	255	179	356	340	512	2060	536	41	76	75	230
13	496	254	176	350	324	544	1960	481	39	70	111	215
14	470	251	175	343	307	565	1880	431	34	64	263	196
15	461	246	175	337	292	580	1800	384	28	59	424	180
16	445	240	174	331	281	593	1750	339	26	56	412	166
17	429	235	172	323	267	615	1680	290	25	54	342	165
18	417	230	171	316	252	897	1610	240	26	51	266	179
19	406	223	176	312	237	1180	1540	198	28	48	212	166
20	395	217	186	302	227	1370	1470	167	29	46	177	150
21	382	210	192	294	220	1560	1380	146	49	45	151	141
22	368	203	192	285	212	1700	1270	129	45	53	133	134
23	354	196	192	278	206	1790	1150	116	40	59	116	127
24	337	189	191	274	200	1850	1040	104	37	56	104	120
25	321	184	189	272	193	1910	951	93	36	59	94	113
26	303	178	186	268	185	1990	866	85	36	58	88	107
27	285	174	182	265	179	2070	783	77	38	56	84	101
28	276	169	178	261	173	2250	702	72	41	55	80	95
29	263	169	173	255	172	2380	635	71	42	54	81	89
30	252	177	169	250	---	2480	685	71	40	52	81	87
31	238	---	168	243	---	2570	---	66	---	51	97	---
TOTAL	16388	6465	5435	9474	8005	32964	52792	11809	1239	1793	4048	5217
MEAN	529	215	175	306	276	1063	1760	381	41.3	57.8	131	174
MAX	1090	255	192	361	375	2570	2710	742	60	111	424	248
MIN	238	169	157	178	172	198	635	66	25	35	52	87
CFSM	.42	.17	.14	.24	.22	.84	1.40	.30	.03	.05	.10	.14
IN.	.48	.19	.16	.28	.24	.97	1.56	.35	.04	.05	.12	.15

e Estimated

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1123	586	669	1080	1489	1846	1610	666	488	661	1099	1065
MAX	10150	8066	6426	5345	4867	6780	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1991	1984	1973	1928	1973	1946	1945	1964
MIN	.12	.13	.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	.20	.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1927 - 1996

ANNUAL TOTAL	296060		155629			
ANNUAL MEAN	811		425		1041	
HIGHEST ANNUAL MEAN					3512	1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	2540	Feb 23	2710	Apr 2	13800	Oct 1 1928
LOWEST DAILY MEAN	66	Jun 1	25	Jun 17	.00	Dec 5 1931
ANNUAL SEVEN-DAY MINIMUM	77	May 27	28	Jun 14	.00	Oct 28 1943
INSTANTANEOUS PEAK FLOW			2720	Apr 2	13800	Oct 1 1928
INSTANTANEOUS PEAK STAGE			11.57	Apr 2	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			25	Jun 16	.00	Dec 5 1931
ANNUAL RUNOFF (CFSM)	.64		.34		.83	
ANNUAL RUNOFF (INCHES)	8.74		4.59		11.22	
10 PERCENT EXCEEDS	2130		1110		2670	
50 PERCENT EXCEEDS	517		227		450	
90 PERCENT EXCEEDS	166		52		32	

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to February 1994, December 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 26...	0850	305	80	73	3.8	3.7	21.0	18.0	7.2	81
NOV 20...	1145	217	80	70	3.9	3.9	13.0	18.0	9.8	93
DEC 12...	1100	178	80	70	3.9	3.9	9.0	10.0	10.1	87
JAN 16...	1430	330	78	65	4.0	3.8	11.0	21.0	11.0	99
FEB 20...	1215	227	75	65	4.0	3.9	14.0	25.0	10.2	99
MAR 19...	0930	1160	66	59	4.0	4.1	16.5	11.0	7.1	74
APR 16...	1015	1750	75	65	3.8	3.8	18.5	16.5	7.6	81
MAY 14...	1055	432	73	67	3.9	3.9	26.0	26.0	6.5	80
JUN 18...	0955	26	65	62	4.1	4.0	27.5	31.5	6.2	79
JUL 09...	1150	56	70	67	4.0	--	29.0	31.5	6.2	81
AUG 27...	1005	85	75	76	3.9	3.9	28.0	29.0	7.5	96
SEP 24...	1135	120	77	74	3.9	3.8	25.0	31.0	7.8	95

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 26...	320	6.0	<1.0	130	<1	16	0.030	<0.030	<0.020	47	8.7
NOV 20...	220	3.0	<1.0	35	<1	1	<0.020	0.090	<0.020	42	7.4
DEC 12...	200	3.0	<1.0	<20	<1	1	<0.020	<0.030	<0.020	40	7.3
JAN 16...	200	2.0	1.4	<20	<1	<1	<0.020	<0.030	<0.010	37	6.7
FEB 20...	160	2.0	1.5	<20	<1	2	<0.020	<0.030	<0.020	38	6.7
MAR 19...	200	4.0	1.7	790	<1	3	<0.020	2.27	0.030	37	6.5
APR 16...	280	8.0	<1.0	<190	<1	<1	<0.020	<0.030	<0.020	47	8.0
MAY 14...	280	5.0	<1.0	<20	<1	8	0.080	<0.030	<0.020	46	8.0
JUN 18...	240	7.0	1.4	--	<1	<1	<0.020	<0.030	<0.020	43	7.0
JUL 09...	280	3.0	<1.0	<20	--	<1	0.100	<0.030	<0.020	49	9.0
AUG 27...	320	<1.0	1.3	--	<1	<1	<0.020	<0.030	0.030	49	8.0
SEP 24...	300	2.0	1.1	20	<1	<1	0.110	<0.030	0.010	48	7.4

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on State Highway 94, 10.4 mi upstream from Alapahoochee River (Grand Bay Creek), 0.2 mi west of Statenville.

DRAINAGE AREA.--1,400 mi², approximately.

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for October to December, 1931, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft above sea level (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft upstream at datum 2.10 ft higher. Dec. 10, 1931 to Nov. 30, 1949, nonrecording gage at site 200 ft upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 8	1600	*3,540	*14.79	May 12	0900	2,570	11.51

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	43	34	36	41	114	397	2930	637	134	76	41	89
2	44	34	34	57	117	443	2980	621	126	73	47	87
3	44	34	34	82	122	468	3050	637	119	69	50	77
4	45	34	33	92	124	481	3150	737	114	67	47	75
5	47	35	33	80	136	486	3280	888	109	70	51	71
6	46	35	33	71	159	484	3390	1060	109	79	50	72
7	44	34	35	71	175	496	3490	1280	121	81	55	86
8	41	38	35	77	214	551	3530	1580	142	72	70	76
9	39	47	35	80	251	633	3520	1900	175	69	67	67
10	38	43	36	81	273	691	3450	2220	215	70	58	65
11	38	43	36	80	305	779	3280	2470	244	74	63	64
12	38	42	35	86	340	904	3010	2560	251	67	73	59
13	38	41	35	88	398	1020	2710	2460	240	61	69	59
14	38	45	35	87	488	1130	2430	2190	218	58	93	60
15	39	44	35	86	504	1250	2170	1780	208	56	149	56
16	40	41	35	84	516	1380	1910	1290	201	54	153	52
17	39	40	36	82	518	1510	1680	889	173	51	124	53
18	38	39	36	83	516	1740	1480	634	163	49	109	56
19	37	38	40	85	515	1970	1340	493	153	49	94	58
20	36	38	42	83	511	2100	1220	412	146	50	87	52
21	35	37	42	83	490	2190	1100	357	142	48	80	49
22	34	36	41	84	459	2240	978	311	135	47	73	47
23	33	35	41	86	437	2240	874	275	128	47	68	45
24	33	34	40	91	421	2200	777	248	118	47	64	43
25	32	34	39	96	404	2180	692	224	110	46	61	42
26	32	34	38	97	388	2230	624	204	102	48	58	42
27	32	34	38	101	375	2280	606	187	96	47	55	41
28	34	33	38	102	370	2380	608	174	90	44	52	41
29	33	40	38	103	373	2490	581	169	85	43	54	42
30	32	37	38	108	---	2620	606	158	80	42	52	45
31	33	---	39	112	---	2800	---	145	---	41	60	---
TOTAL	1175	1133	1141	2639	10013	44763	61446	29190	4447	1795	2227	1771
MEAN	37.9	37.8	36.8	85.1	345	1444	2048	942	148	57.9	71.8	59.0
MAX	47	47	42	112	518	2800	3530	2560	251	81	153	89
MIN	32	33	33	41	114	397	581	145	80	41	41	41
CFSM	.03	.03	.03	.06	.25	1.03	1.46	.67	.11	.04	.05	.04
IN.	.03	.03	.03	.07	.27	1.19	1.63	.78	.12	.05	.06	.05

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	393	295	735	1386	2239	2637	2158	831	533	524	685	476
MAX	3868	5818	7155	5715	7391	7298	8328	3720	2526	1806	3589	2334
(WY)	1995	1948	1948	1993	1991	1991	1948	1944	1973	1964	1945	1935
MIN	28.4	21.0	33.7	35.8	77.6	129	165	77.2	46.9	38.8	29.4	25.6
(WY)	1969	1955	1955	1934	1934	1955	1968	1986	1955	1981	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1921 - 1996	
ANNUAL TOTAL	350703		161740		1082	
ANNUAL MEAN	961		442		3280	
HIGHEST ANNUAL MEAN					127	
LOWEST ANNUAL MEAN					26500	
HIGHEST DAILY MEAN	11500	Feb 23	3530	Apr 8	17	Nov 10 1954
LOWEST DAILY MEAN	32	Oct 25	32	Oct 25	18	Nov 7 1954
ANNUAL SEVEN-DAY MINIMUM	33	Oct 24	33	Oct 24	27300	Apr 6 1948
INSTANTANEOUS PEAK FLOW			3540	Apr 8	a29.80	Apr 6 1948
INSTANTANEOUS PEAK STAGE			14.79	Apr 8	16	Nov 13 1954
INSTANTANEOUS LOW FLOW			32	Oct 26,27,30	.77	
ANNUAL RUNOFF (CFSM)	.69		.32		10.50	
ANNUAL RUNOFF (INCHES)	9.32		4.30		2920	
10 PERCENT EXCEEDS	2710		1750		392	
50 PERCENT EXCEEDS	143		81		55	
90 PERCENT EXCEEDS	35		35			

a From graph based on gage readings.

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHIE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.

LOCATION.--Lat 30°56'50", long 83°16'22", Lowndes County, Hydrologic Unit 03110203, on downstream side of bridge pier on McMillan Road, 2.3 mi downstream from Cat Creek, and 3.0 mi northwest of Bemiss.

DRAINAGE AREA.--502 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 125 ft above sea level (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 2	0400	*2,800	*14.64	No other peak greater than base discharge.			

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	9.8	5.1	14	53	80	137	2650	321	9.2	7.1	8.6	15
2	9.9	5.8	13	175	90	185	2730	469	8.6	6.4	10	9.5
3	9.8	9.0	13	147	210	178	2300	624	8.4	5.5	8.0	11
4	11	12	14	99	201	165	1740	825	8.5	6.1	5.7	19
5	18	9.1	14	87	194	149	1340	1120	9.9	7.7	5.2	15
6	15	7.9	14	67	202	137	1000	1050	12	8.3	7.0	13
7	12	12	15	62	184	276	786	649	12	5.8	5.8	12
8	9.6	24	16	61	165	432	638	401	14	8.2	5.3	10
9	9.5	20	16	67	154	448	551	304	14	17	5.2	8.3
10	11	16	26	66	139	477	510	235	11	14	4.4	22
11	19	28	27	58	117	516	487	176	10	26	4.1	42
12	19	42	31	55	98	539	453	137	9.1	19	4.9	22
13	14	36	33	52	83	542	396	109	9.8	15	8.3	15
14	12	29	30	50	75	490	331	94	22	13	20	12
15	10	27	28	50	67	388	284	78	25	13	13	13
16	8.8	26	27	49	68	302	273	66	15	15	10	13
17	8.1	23	29	44	74	257	254	55	15	35	11	22
18	7.6	20	30	42	85	388	237	46	25	14	17	26
19	7.1	18	36	51	86	649	208	38	23	11	18	20
20	6.7	16	39	55	113	661	185	33	20	8.6	15	17
21	6.6	15	41	49	139	731	166	29	26	7.7	12	15
22	5.8	15	54	45	144	893	143	25	26	7.2	9.4	13
23	5.4	14	47	41	148	1020	120	23	29	6.7	7.3	11
24	5.0	13	35	43	137	1060	107	20	27	9.8	6.0	9.5
25	4.6	13	29	53	122	873	91	18	22	12	6.1	8.2
26	4.3	12	26	57	111	681	84	16	18	8.8	6.6	7.3
27	4.1	11	24	71	105	588	76	14	15	7.1	4.8	6.6
28	7.7	10	23	82	97	801	71	15	13	5.9	3.9	5.9
29	8.2	13	23	87	103	1110	92	17	10	5.1	3.5	11
30	5.1	15	21	97	—	1410	221	13	8.5	4.7	5.7	17
31	5.0	—	21	91	—	2120	—	10	—	4.3	13	—
TOTAL	289.7	516.9	809	2106	3591	18603	18524	7030	476.0	335.0	264.8	441.3
MEAN	9.35	17.2	26.1	67.9	124	600	617	227	15.9	10.8	8.54	14.7
MAX	19	42	54	175	210	2120	2730	1120	29	35	20	42
MIN	4.1	5.1	13	41	67	137	71	10	8.4	4.3	3.5	5.9
CFSM	.02	.03	.05	.14	.25	1.20	1.23	.45	.03	.02	.02	.03
IN.	.02	.04	.06	.16	.27	1.38	1.37	.52	.04	.02	.02	.03

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	275	117	266	1003	1225	1260	509	152	175	318	443	109
MAX	1843	457	1146	2935	2738	3525	1009	642	484	1655	2169	416
(WY)	1995	1995	1995	1991	1995	1991	1994	1991	1994	1991	1991	1994
MIN	9.35	6.31	26.1	32.9	72.6	246	173	18.2	5.57	7.02	3.90	1.23
(WY)	1996	1992	1996	1989	1989	1989	1989	1990	1990	1988	1990	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	158626.6		52986.7		491	
ANNUAL MEAN	435		145		1178	
HIGHEST ANNUAL MEAN					135	
LOWEST ANNUAL MEAN					19100	
HIGHEST DAILY MEAN	10800	Feb 14	2730	Apr 2	Mar 5 1991	1989
LOWEST DAILY MEAN	3.6	Sep 22	3.5	Aug 29	Sep 24 1990	
ANNUAL SEVEN-DAY MINIMUM	4.6	Sep 7	5.1	Oct 21	Sep 21 1990	
INSTANTANEOUS PEAK FLOW			2800	Apr 2	Mar 5 1991	
INSTANTANEOUS PEAK STAGE			14.64	Apr 2	Mar 5 1991	
INSTANTANEOUS LOW FLOW			3.4	Aug 29	Sep 23 1990	
ANNUAL RUNOFF (CFSM)	.87		.29		.98	
ANNUAL RUNOFF (INCHES)	11.75		3.93		13.30	
10 PERCENT EXCEEDS	1250		449		1220	
50 PERCENT EXCEEDS	35		22		85	
90 PERCENT EXCEEDS	8.2		6.7		7.1	

SUWANNEE RIVER BASIN

02317797 LITTLE RIVER NEAR TIFTON, GA.
(National Water-quality Assessment station)

LOCATION.--Lat 31°28'54", long 83°35'03", Tift County, Hydrologic Unit 03110204, on right bank 20 feet downstream from bridge on Upper Ty Ty Road, 0.3 mi downstream from Mill Creek, 0.3 mi upstream from Big Branch, and 4.9 mi west-northwest of Tifton.

DRAINAGE AREA.-- 129 mi².

PERIOD OF RECORD.--March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
JAN 24...	1130	1.7	232	140	5.8	6.5
FEB 23...	0910	117	80	89	5.7	6.4
MAR 26...	1237	254	68	66	6.0	6.7
APR 23...	1015	45	81	84	6.1	7.0
MAY 30...	1230	4.7	127	115	6.4	6.7

DATE	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LITY LAB (MG/L AS CACO3)
JAN 24...	9.5	4.0	36	32	27	14
FEB 23...	15.5	5.8	58	6	5	6.4
MAR 26...	15.0	5.9	58	17	14	9.1
APR 23...	21.0	1.7	20	19	16	18
MAY 30...	22.0	1.8	21	40	33	29

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
JAN 24...	40	9.1	4.3	5.9	22	0.4	3.5
FEB 23...	24	5.3	2.7	4.4	26	0.4	2.8
MAR 26...	18	3.9	1.9	3.5	27	0.4	2.4
APR 23...	27	5.9	2.9	3.5	20	0.3	3.3
MAY 30...	41	9.1	4.4	3.6	15	0.2	4.0

SUWANNEE RIVER BASIN

02317797 LITTLE RIVER NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
JAN 24...	16	15	<0.10	12	120	84	0.55	0.16
FEB 23...	8.4	13	<0.10	6.2	68	46	21.5	0.09
MAR 26...	3.4	9.6	<0.10	1.7	52	35	35.7	0.07
APR 23...	1.1	11	<0.10	1.0	71	41	8.63	0.10
MAY 30...	2.2	9.8	0.10	6.0	93	64	1.19	0.13

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
JAN 24...	<0.010	<0.050	0.070	0.83	0.63
FEB 23...	<0.010	<0.050	<0.015	0.50	--
MAR 26...	<0.010	<0.050	<0.015	0.50	--
APR 23...	<0.010	<0.050	0.240	0.86	0.76
MAY 30...	<0.010	<0.050	0.480	1.4	0.82

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
JAN 24...	0.90	0.70	0.060	0.010	0.010	17	1.0	1200	1200
FEB 23...	0.50	0.40	<0.010	<0.010	<0.010	11	0.30	390	61
MAR 26...	0.50	0.40	0.010	0.010	<0.010	--	--	460	23
APR 23...	1.1	1.0	0.050	0.020	0.020	16	1.3	2300	300
MAY 30...	1.9	1.3	0.120	0.020	<0.010	17	4.5	2300	2300

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 24...	1130	1.7	9.5	3	0.01	100
FEB 23...	0910	117	15.5	6	1.9	87
MAR 26...	1237	254	15.0	11	7.5	96
APR 23...	1015	45	21.0	9	1.1	89
MAY 30...	1230	4.7	22.0	37	0.47	100

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHIE RIVER NEAR QUITMAN, GA.
(National Water-Quality Assessment Program)

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old U.S. Highway 84, 4 mi upstream from Piscola Creek, 6 mi east of Quitman, and 9 mi downstream from Little River.

DRAINAGE AREA.--1,480 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992, June 1993 to current year.

REVISED RECORDS.--WSP 1304: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 84.30 ft above sea level. October 1, 1928 to December 11, 1931, nonrecording gage at same site at datum 5.0 ft lower. June 9, 1937 to May 31, 1948, nonrecording gage at same site and datum. May 19, 1949 to March 1, 1954, crest-stage gage at same site and datum. September 29, 1988 to May 4, 1989, water-stage recorder at site, 2,000 ft upstream at same datum.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.-- Peak discharge greater than base discharge of 2,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 3	2400	*6,870	*18.82	May 7	2000	4,010	14.18

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	41	33	37	96	310	711	5420	1070	54	20	32	87
2	36	33	35	596	350	805	6140	1340	50	20	47	59
3	35	42	33	625	660	812	6710	1640	47	20	187	64
4	37	74	31	440	756	754	6780	2040	43	20	66	57
5	50	50	31	324	772	708	6240	2650	39	33	56	48
6	52	42	32	254	774	679	5420	3350	37	52	55	39
7	45	39	33	247	727	668	4550	3910	35	37	85	33
8	43	247	39	260	695	947	3760	3860	37	49	57	30
9	38	169	39	248	675	1310	3000	3010	62	76	43	28
10	36	101	63	241	652	1600	2350	1650	45	53	36	45
11	161	76	58	219	625	1780	1940	973	36	36	38	346
12	328	82	50	212	577	1890	1690	706	34	29	47	124
13	148	70	45	203	505	1890	1500	534	32	27	41	58
14	86	60	43	200	438	1860	1340	420	47	27	53	41
15	65	52	39	181	388	1860	1240	345	57	36	73	34
16	54	47	37	164	351	1810	1200	283	44	30	57	33
17	47	45	35	149	321	1620	1070	234	44	25	43	49
18	44	42	33	138	328	1640	957	191	56	24	37	129
19	42	39	69	148	338	1850	871	160	42	23	32	70
20	39	37	97	155	441	2000	782	138	39	22	29	49
21	37	36	81	145	560	2250	710	121	34	21	28	40
22	34	35	83	130	618	2570	656	108	31	21	28	35
23	32	31	85	115	648	2860	601	96	30	23	26	31
24	31	30	74	118	673	3010	540	87	29	32	26	29
25	31	31	64	152	688	3150	483	80	26	86	25	28
26	31	34	59	157	693	3300	450	71	24	48	27	27
27	30	32	59	201	690	3240	440	64	23	37	27	26
28	48	31	58	268	684	3530	422	73	22	31	25	25
29	51	34	58	270	681	3720	393	87	22	27	25	32
30	37	39	56	285	---	3970	849	64	22	25	26	112
31	34	---	54	297	---	4690	---	57	---	24	68	---
TOTAL	1823	1713	1610	7238	16618	63484	68504	29412	1143	1034	1445	1808
MEAN	58.8	57.1	51.9	233	573	2048	2283	949	38.1	33.4	46.6	60.3
MAX	328	247	97	625	774	4690	6780	3910	62	86	187	346
MIN	30	30	31	96	310	668	393	57	22	20	25	25
CFSM	.04	.04	.04	.16	.39	1.38	1.54	.64	.03	.02	.03	.04
IN.	.05	.04	.04	.18	.42	1.60	1.72	.74	.03	.03	.04	.05

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHIE RIVER NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	786	472	779	1717	2444	3296	2199	720	483	923	995	361
MAX	5552	6921	7062	6492	6686	8974	11040	2767	1504	4962	4709	1231
(WY)	1995	1948	1948	1991	1995	1991	1948	1991	1991	1991	1991	1994
MIN	12.8	11.0	20.7	48.6	128	492	363	50.2	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	1938	1938	1990	1990	1990	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1929 - 1996

ANNUAL TOTAL	406706		195832									
ANNUAL MEAN	1114		535								1149	
HIGHEST ANNUAL MEAN											3210	1991
LOWEST ANNUAL MEAN											293	1941
HIGHEST DAILY MEAN	20000	Feb 17	6780	Apr 4							61000	Apr 4 1948
LOWEST DAILY MEAN	28	Sep 13,22	20	Jul 1-4							6.8	Nov 10 1940
ANNUAL SEVEN-DAY MINIMUM	30	Sep 7	21	Jun 28							7.6	Nov 7 1940
INSTANTANEOUS PEAK FLOW			6870	Apr 3							66000	Apr 4 1948
INSTANTANEOUS PEAK STAGE			18.82	Apr 3							a31.70	Apr 4 1948
INSTANTANEOUS LOW FLOW	19	Jul 1	5.9	b								
ANNUAL RUNOFF (CFSM)	.75		.36								.78	
ANNUAL RUNOFF (INCHES)	10.22		4.92								10.55	
10 PERCENT EXCEEDS	3540		1720								3390	
50 PERCENT EXCEEDS	111		64								420	
90 PERCENT EXCEEDS	34		28								23	

a From floodmarks.

b Nov 11-13, 1940 and Nov 21, 1942.

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHIEE RIVER NEAR QUITMAN, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Streamflow includes return flow by the City of Valdosta. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey. Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, Bicarbonate and Total Alkalinity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON- DUCT- ANCE (US/CM)	SPE-CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
OCT 20...	1205	38	129	133	5.7	7.4
NOV 22...	1230	36	155	73	6.6	6.1
JAN 23...	1448	112	118	121	5.7	7.7
FEB 21...	1215	557	98	101	9.3	7.5
MAR 20...	1045	1980	75	73	5.7	7.1
APR 19...	1105	874	83	85	6.1	6.8
MAY 16...	1130	285	93	93	6.3	6.8

DATE	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LINITY LAB (MG/L AS CACO3)
OCT 20...	21.5	8.0	91	39	32	24
NOV 22...	13.5	9.8	94	27	22	--
JAN 23...	11.0	10.2	92	30	25	20
FEB 21...	14.0	9.3	90	6	12	14
MAR 20...	15.0	7.7	77	14	12	9.6
APR 19...	18.0	7.2	76	10	8	14
MAY 16...	24.5	5.5	66	15	13	17

DATE	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT 20...	35	9.1	3.1	10	36	0.7	2.7
NOV 22...	17	3.6	2.0	4.6	33	0.5	2.6
JAN 23...	27	6.6	2.6	9.2	40	0.8	2.6
FEB 21...	25	5.7	2.5	7.3	37	0.6	2.4
MAR 20...	17	4.0	1.8	5.9	39	0.6	2.4
APR 19...	22	5.2	2.3	5.7	32	0.5	2.7
MAY 16...	26	6.3	2.6	6.4	32	0.5	2.7

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 20...	11	13	0.10	8.8	92	82	9.44	0.13
NOV 22...	8.7	8.9	<0.10	13	72	63	7.00	0.10
JAN 23...	8.9	14	0.20	7.4	82	69	24.8	0.11
FEB 21...	9.0	12	<0.10	5.8	73	49	110	0.10
MAR 20...	5.1	9.2	<0.10	5.4	67	42	358	0.09
APR 19...	4.5	10	<0.10	4.4	68	43	160	0.09
MAY 16...	4.6	11	0.10	7.6	92	53	70.8	0.13

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
OCT 20...	<0.010	0.950	0.950	<0.015	0.50	--
NOV 22...	0.020	1.20	1.20	0.070	1.0	0.43
JAN 23...	0.010	0.440	0.440	0.040	0.56	0.46
FEB 21...	0.010	0.180	0.180	0.020	0.68	0.48
MAR 20...	<0.010	0.080	0.080	0.020	0.88	0.58
APR 19...	0.020	0.350	0.350	0.070	0.73	0.83
MAY 16...	0.010	0.500	0.500	<0.015	0.70	--

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDEED TOTAL (MG/L AS C)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 20...	0.50	0.60	0.240	0.230	0.240	9.9	0.40	720	23
NOV 22...	1.1	0.50	0.630	0.370	0.350	8.1	0.30	480	85
JAN 23...	0.60	0.50	0.130	0.080	0.070	9.9	0.20	610	20
FEB 21...	0.70	0.50	0.110	0.050	0.040	11	0.60	560	23
MAR 20...	0.90	0.60	0.110	0.050	0.030	16	1.5	330	29
APR 19...	0.80	0.90	0.110	0.100	0.090	16	0.50	1400	32
MAY 16...	0.70	0.70	0.150	0.120	0.110	14	0.40	1600	32

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 20...	1205	38	21.5	7	0.72	89
JAN 23...	1448	112	11.0	63	19	99
FEB 21...	1215	557	14.0	50	75	98
MAR 20...	1045	1980	15.0	21	112	95
APR 19...	1105	874	18.0	17	40	89
MAY 16...	1130	285	24.5	22	17	93

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°49'32", long 83°33'45", Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on State Highway 33, 1.0 mi downstream from Coon Creek, and 3.0 mi north of Quitman.

DRAINAGE AREA.--269 mi², approximately.

PERIOD OF RECORD.--December 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above sea level (from topographic map).

REMARKS.--Records fair to poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 11	0400	1,980	12.09	Mar. 30	2400	*3,710	*13.26
Mar. 21	2200	2,070	12.17				

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	15	.99	9.2	25	163	144	2470	181	.54	.00	.00	3.6
2	11	.94	9.2	67	166	176	1970	223	.60	.00	.00	18
3	7.5	1.2	8.5	84	214	181	1550	430	.58	.00	.00	18
4	6.5	1.7	9.1	70	212	198	1150	644	.46	.00	.00	18
5	6.5	2.1	9.9	81	235	223	854	610	.38	.00	3.4	14
6	6.1	1.9	10	133	459	212	659	446	.29	.00	5.7	18
7	6.4	3.5	11	181	625	177	549	242	.19	.00	2.0	20
8	5.7	21	11	160	547	196	448	131	.10	.00	1.4	17
9	5.0	40	11	118	358	471	371	88	.10	.82	1.0	13
10	6.6	39	12	97	232	1450	328	66	.04	2.9	1.9	8.5
11	9.4	29	15	92	174	1880	299	51	.01	3.3	3.1	6.6
12	12	31	17	91	139	1390	257	40	.00	2.0	2.6	21
13	12	34	21	89	118	923	208	31	.00	1.4	2.5	23
14	9.4	32	29	81	105	632	181	23	.00	1.3	7.7	13
15	9.2	33	35	76	96	467	195	18	.00	1.1	5.4	4.6
16	8.2	35	39	79	89	362	244	14	.00	.72	3.5	1.2
17	6.3	33	36	83	81	291	221	9.9	.00	.45	4.3	.29
18	4.6	30	31	77	73	364	214	7.1	.01	.25	2.9	.08
19	3.4	27	30	71	77	532	220	5.0	1.0	.11	1.4	.15
20	2.5	21	34	65	122	726	196	3.0	1.4	.03	.84	.32
21	1.8	17	38	58	184	1750	149	1.4	2.5	.01	.59	.31
22	1.5	14	36	53	195	1910	114	.60	2.2	.00	.37	.28
23	1.3	e12	41	53	232	1380	91	.22	1.9	.00	.17	.10
24	1.0	e11	48	62	321	955	76	.07	1.1	.01	.06	.02
25	.80	e9.6	50	69	373	650	71	.04	.57	.02	.03	.01
26	.62	e9.0	43	66	318	539	63	.05	.24	.02	.01	.01
27	.50	e8.4	36	65	235	499	58	.07	.07	.01	.00	.00
28	.91	e8.0	30	79	164	1560	64	.22	.01	.00	.00	.00
29	1.0	7.9	26	95	134	1940	71	.40	.00	.00	.00	.05
30	1.1	7.9	23	114	---	3260	115	.44	.00	.00	.02	.21
31	1.0	---	21	147	---	3360	---	.45	---	.00	.09	---
TOTAL	164.83	522.13	779.9	2681	6441	28798	13456	3266.96	14.29	14.45	50.98	219.33
MEAN	5.32	17.4	25.2	86.5	222	929	449	105	.48	.47	1.64	7.31
MAX	15	40	50	181	625	3360	2470	644	2.5	3.3	7.7	23
MIN	.50	.94	8.5	25	73	144	58	.04	.00	.00	.00	.00
CFSM	.02	.06	.09	.32	.83	3.45	1.67	.39	.00	.00	.01	.03
IN.	.02	.07	.11	.37	.89	3.98	1.86	.45	.00	.00	.01	.03

e Estimated

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	85.6	46.9	169	487	737	783	410	76.7	79.5	116	163	42.4
MAX	1255	276	839	1735	2614	2223	1160	507	424	788	1031	257
(WY)	1995	1986	1986	1991	1986	1991	1983	1991	1994	1991	1994	1985
MIN	.000	.000	.000	.63	1.95	52.5	19.9	.39	.11	.000	.092	.000
(WY)	1982	1991	1991	1989	1989	1985	1985	1986	1993	1990	1990	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1980 - 1996

ANNUAL TOTAL	80920.47		56408.87									
ANNUAL MEAN	222		154								265	
HIGHEST ANNUAL MEAN											664	1991
LOWEST ANNUAL MEAN											36.4	1981
HIGHEST DAILY MEAN	3950	Feb 14	3360	Mar 31							14600	Feb 12 1986
LOWEST DAILY MEAN	.00	Sep 21-27	.00	a							.00	b
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 21	.00	c							.00	d
INSTANTANEOUS PEAK FLOW			3710	Mar 30							18500	Feb 12 1986
INSTANTANEOUS PEAK STAGE			13.26	Mar 30							118.75	Feb 12 1986
ANNUAL RUNOFF (CFSM)	.82		.57								.98	
ANNUAL RUNOFF (INCHES)	11.19		7.80								13.38	
10 PERCENT EXCEEDS	671		372								743	
50 PERCENT EXCEEDS	25		13								31	
90 PERCENT EXCEEDS	1.3		.01								.01	

a No flow on many days.

b No flow at times most years.

c June 29, 30, July 1, 28, and 29.

d Many seven-day periods with no flow.

f From floodmarks.

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHIEE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi south of Clyattville.

DRAINAGE AREA.--2,030 mi², approximately.

PERIOD OF RECORD.--November 1974 to February 1994, October 1994 to current year.

REMARKS.--Streamflow includes return flow by the City of Valdosta. Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 26...	1030	70	220	211	7.3	7.5	21.0	22.0	6.0	68
NOV 20...	1420	120	187	174	7.2	7.3	16.0	21.0	7.2	73
DEC 12...	1240	132	204	197	7.0	7.5	14.0	16.5	7.7	74
JAN 16...	1550	300	137	129	6.8	7.1	12.0	26.5	9.8	91
FEB 20...	1415	425	126	117	6.9	7.0	14.0	28.0	9.6	94
MAR 19...	1050	1240	74	70	6.3	5.9	16.5	10.5	6.8	71
APR 16...	1200	1980	92	82	6.7	6.6	18.5	17.5	7.4	79
MAY 14...	1330	680	117	107	7.0	6.8	23.5	31.0	5.5	65
JUN 18...	1130	142	222	211	7.6	7.4	24.0	31.5	5.5	66
JUL 09...	1340	110	208	202	7.5	--	26.5	32.0	5.2	65
AUG 27...	1130	100	236	235	7.6	7.7	24.5	32.5	6.8	82
SEP 24...	1335	108	190	185	7.5	7.4	24.5	32.0	6.0	72

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	20	5.0	<1.0	<20	86	2	0.280	<0.030	0.100	4.0
NOV 20...	50	4.0	<1.0	20	55	2	0.440	0.040	0.120	8.0
DEC 12...	40	2.0	<1.0	65	69	<1	0.670	<0.030	0.160	5.0
JAN 16...	70	5.0	1.4	<20	32	2	0.360	0.040	0.080	10
FEB 20...	70	5.0	1.4	50	25	<1	0.250	<0.030	0.100	11
MAR 19...	70	11	2.3	<0	6	13	0.060	<0.030	0.140	22
APR 16...	150	10	<1.0	40	18	4	0.210	0.050	0.100	17
MAY 14...	160	9.0	<1.0	<20	34	<0	0.270	0.100	0.130	15
JUN 18...	10	2.0	<1.0	--	88	<1	0.250	<0.030	0.090	3.0
JUL 09...	10	2.0	<1.0	<20	--	4	0.280	<0.030	0.090	4.0
AUG 27...	10	<1.0	<1.0	<20	94	2	0.210	<0.030	0.090	4.0
SEP 24...	40	1.0	<1.0	<20	71	<1	0.400	<0.030	0.140	6.0

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county highway bridge, 1.5 mi downstream from Tired Creek, and 6.5 mi east of Calvary.

DRAINAGE AREA.--930 mi², approximately.

PERIOD OF RECORD.--August 1974 to February 1994, October 1994 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 31...	0815	134	245	229	7.0	7.1	17.5	16.5	7.8	81
NOV 29...	0915	205	214	198	7.0	7.0	14.0	18.5	8.9	87
DEC 14...	0920	498	150	144	7.1	6.8	9.5	12.5	10.5	92
JAN 17...	0805	583	139	131	7.1	6.5	9.5	8.5	10.2	89
FEB 21...	0955	1450	99	94	6.8	6.6	13.0	17.0	8.9	85
MAR 20...	1000	3830	63	59	6.5	6.3	14.5	7.5	6.7	66
APR 17...	0810	1620	73	68	6.5	6.3	17.0	14.0	6.6	68
MAY 15...	0750	439	114	106	6.6	6.3	22.0	20.5	5.2	59
JUN 19...	0800	331	200	192	7.0	6.7	25.0	27.0	6.3	77
JUL 11...	0850	180	207	200	7.1	7.0	27.5	29.0	6.0	77
AUG 28...	0745	260	160	138	6.7	6.8	25.0	25.0	5.8	70
SEP 26...	0715	140	185	182	6.8	6.7	23.0	22.0	6.4	75

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	65	10	<1.0	130	31	8	1.55	0.050	0.230	8.0
NOV 29...	20	7.0	1.0	110	26	4	1.02	0.040	0.170	8.0
DEC 14...	90	8.0	<1.0	140	14	3	0.470	<0.030	0.120	10
JAN 17...	45	15	1.2	50	13	4	0.590	0.050	0.110	8.0
FEB 21...	120	24	2.2	4900	11	26	0.560	0.070	0.160	11
MAR 20...	120	27	<1.0	1300	6	14	0.250	0.050	0.130	14
APR 17...	120	17	1.3	330	11	11	0.390	0.070	0.120	11
MAY 15...	120	13	<1.0	<20	20	6	0.660	0.110	0.220	10
JUN 19...	85	17	1.2	<170	23	8	1.53	0.070	0.310	8.0
JUL 11...	70	14	<1.0	50	26	6	1.40	0.060	0.290	7.0
AUG 28...	100	15	1.1	50	21	9	1.00	0.080	0.200	9.0
SEP 26...	100	9.0	<1.0	20	28	5	0.800	0.060	0.210	8.0

OCHLOCKONEE RIVER BASIN

02329342 LITTLE ATTAPULGUS CREEK AT ATTAPULGUS, GA.

LOCATION.--Lat 30°44'08", long 84°29'49", Decatur County, Hydrologic Unit 03120003, on left bank 50 ft downstream from flood-damaged weir at Engelhard Corporation, 1.2 mi southwest of Attapulgus, and 3.6 mi above mouth.

DRAINAGE AREA.--16.9 mi².

PERIOD OF RECORD.--November 1991 to current year, discharge less than 125 ft³/s only.

REVISED RECORD.--WDR GA-94-1: 1992, 1993.

GAGE.--Water-stage recorder. Elevation of gage is 165 ft above sea level (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.95 ft, Oct. 2, 1994; no flow part of each day, July 22 and 24, 1996 due to non-typical pumpage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 5.97 ft, Mar. 18; no flow part of each day, July 22 and 24 due to non-typical pumpage.

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	5.8	11	11	31	14	36	48	24	7.2	5.9	13	21
2	5.8	12	11	47	31	23	34	17	7.1	5.9	24	20
3	5.6	37	12	24	51	16	29	14	7.2	4.9	18	15
4	52	28	10	21	26	15	25	12	7.3	4.8	7.3	23
5	78	15	11	16	20	14	22	12	6.4	6.5	5.5	16
6	30	13	21	16	19	15	24	11	5.8	8.5	5.1	12
7	21	13	21	23	18	25	26	9.6	5.2	13	6.9	9.5
8	16	28	15	16	17	34	20	9.5	12	12	30	8.1
9	14	14	38	16	16	18	20	9.3	10	12	23	8.1
10	13	13	34	14	15	16	19	8.6	8.8	8.4	9.0	6.6
11	24	28	16	18	15	17	17	8.6	7.1	6.8	8.0	4.9
12	19	28	15	24	14	16	18	8.4	6.6	6.7	11	4.3
13	14	16	12	17	12	14	20	8.0	6.1	5.8	11	3.5
14	21	14	13	14	13	14	23	7.8	5.3	7.1	9.7	5.0
15	20	12	12	14	13	12	45	7.2	4.8	7.2	8.2	6.4
16	13	12	12	14	12	14	31	5.9	13	6.8	7.7	12
17	11	12	11	13	11	16	21	6.4	9.4	6.5	7.3	11
18	11	12	12	14	11	---	19	6.5	8.9	5.2	6.5	9.6
19	10	11	39	20	14	---	17	6.8	7.2	2.7	4.6	7.2
20	11	12	20	15	78	39	20	7.2	6.9	2.6	2.5	7.1
21	10	12	16	13	33	30	18	6.0	7.7	1.9	3.0	7.0
22	10	12	15	13	23	24	15	5.1	8.3	1.2	3.3	6.9
23	9.5	11	14	13	20	21	14	4.3	6.9	2.1	3.1	6.3
24	8.7	12	14	23	18	19	15	5.5	6.5	3.1	6.4	5.4
25	9.5	12	13	20	15	50	14	4.6	5.6	5.9	8.3	5.7
26	8.9	12	13	14	16	80	12	5.6	7.9	5.4	7.1	5.0
27	9.7	11	13	34	15	50	10	5.8	7.1	4.8	8.1	5.4
28	32	12	13	25	15	48	9.7	20	7.3	6.7	7.7	6.2
29	14	17	12	18	20	33	16	22	5.6	5.4	15	9.8
30	11	12	13	16	---	---	64	10	4.6	3.1	9.8	28
31	11	---	14	15	---	82	---	7.4	---	3.4	20	---
TOTAL	529.5	464	496	591	595	---	685.7	296.1	219.8	182.3	310.1	296.0
MEAN	17.1	15.5	16.0	19.1	20.5	---	22.9	9.55	7.33	5.88	10.0	9.87
MAX	78	37	39	47	78	---	64	24	13	13	30	28
MIN	5.6	11	10	13	11	---	9.7	4.3	4.6	1.2	2.5	3.5
CFSM	1.01	.92	.95	1.13	1.21	---	1.35	.57	.43	.35	.59	.58
IN.	1.17	1.02	1.09	1.30	1.31	---	1.51	.65	.48	.40	.68	.65

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.

LOCATION.--Lat 34°42'03", long 83°43'44", White County, Hydrologic Unit 03130001, on downstream side of bridge on Georgia Highways 17 and 75 at Helen, and 1.1 mi downstream from Smith Creek.

DRAINAGE AREA.--44.7 mi².

PERIOD OF RECORD.--May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.--Water-stage recorder. Datum of gage is 1,404.04 ft above sea level.

REMARKS.--Records good. Some regulation at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 23, 1967, reached a discharge of 11,000 ft³/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 48.2 mi².

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1115	1,550	3.92	Jan. 19	0045	1,260	3.43
Nov. 11	1200	1,280	3.47	Jan. 26	2245	*2,940	*5.32

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	46	104	121	99	286	160	241	210	119	87	72	69
2	45	215	119	139	525	158	221	191	119	84	60	63
3	60	175	117	126	492	151	208	178	118	82	58	63
4	486	137	116	110	356	147	200	170	121	79	57	63
5	1110	125	116	104	310	146	192	164	115	77	62	107
6	362	124	116	129	289	397	188	320	110	77	58	68
7	221	455	126	144	272	593	181	259	111	80	58	75
8	175	297	115	118	262	347	180	213	133	82	55	76
9	152	206	144	110	261	268	175	194	292	78	55	97
10	137	176	119	108	242	240	168	182	195	74	52	88
11	127	605	113	106	233	226	165	182	169	72	95	75
12	120	369	112	110	218	216	163	170	167	73	177	66
13	131	271	110	104	210	206	166	164	153	71	87	60
14	178	232	110	107	208	200	159	158	141	76	68	56
15	135	206	108	116	201	204	164	189	e141	113	62	54
16	121	187	108	127	191	211	158	169	134	76	58	122
17	114	176	104	129	183	197	151	160	125	77	55	117
18	109	168	130	349	180	189	149	153	125	71	57	81
19	107	162	239	687	177	290	163	148	123	66	56	70
20	108	156	150	293	355	230	234	143	115	64	54	64
21	103	150	123	226	244	211	236	139	111	64	52	83
22	98	145	113	195	218	199	194	136	106	63	54	77
23	96	142	106	179	204	191	182	132	103	61	62	65
24	96	139	101	250	192	184	169	130	100	58	76	61
25	94	135	99	206	181	198	163	141	99	106	70	59
26	93	132	97	716	178	186	200	141	97	73	64	58
27	106	131	95	1370	174	189	171	138	96	62	61	232
28	106	130	92	560	171	288	163	162	94	62	56	496
29	93	127	90	415	162	252	183	134	91	59	54	274
30	91	123	90	352	---	226	255	128	89	59	93	164
31	101	---	93	332	---	237	---	123	---	72	77	---
TOTAL	5121	5900	3592	8116	7175	7137	5542	5221	3812	2298	2075	3103
MEAN	165	197	116	262	247	230	185	168	127	74.1	66.9	103
MAX	1110	605	239	1370	525	593	255	320	292	113	177	496
MIN	45	104	90	99	162	146	149	123	89	58	52	54
CFSM	3.70	4.40	2.59	5.86	5.53	5.15	4.13	3.77	2.84	1.66	1.50	2.31
IN.	4.26	4.91	2.99	6.75	5.97	5.94	4.61	4.34	3.17	1.91	1.73	2.58

e Estimated

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	89.2	109	145	168	196	214	193	144	113	94.3	90.2	76.3
MAX	200	340	311	318	408	418	382	305	255	268	242	137
(WY)	1990	1993	1983	1993	1990	1990	1983	1984	1989	1989	1994	1992
MIN	25.9	39.5	52.3	71.8	78.6	72.3	73.8	63.0	44.4	30.9	30.2	34.5
(WY)	1988	1988	1988	1985	1986	1988	1986	1986	1986	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	50305		59092			
ANNUAL MEAN	138		161		136	
HIGHEST ANNUAL MEAN					186	
LOWEST ANNUAL MEAN					66.4	
HIGHEST DAILY MEAN	1110	Oct 5	1370	Jan 27	2000	Mar 17 1990
LOWEST DAILY MEAN	45	Oct 2	45	Oct 2	20	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	48	Sep 26	55	Aug 16	22	Oct 2 1986
INSTANTANEOUS PEAK FLOW			2940	Jan 26	3850	Mar 17 1990
INSTANTANEOUS PEAK STAGE			5.32	Jan 26	5.94	Mar 17 1990
INSTANTANEOUS LOW FLOW			44	Oct 2	19	Oct 6 1986
ANNUAL RUNOFF (CFSM)	3.08		3.61		3.04	
ANNUAL RUNOFF (INCHES)	41.86		49.18		41.36	
10 PERCENT EXCEEDS	236		261		252	
50 PERCENT EXCEEDS	114		131		104	
90 PERCENT EXCEEDS	57		63		43	

APALACHICOLA RIVER BASIN

02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA.

LOCATION.--Lat 34°41'13", long 83°42'37", White County, Hydrologic Unit 03130001, at bridge on State Highways 17 and 75 at Nacoochee, 700 ft north of the intersection of State Highways 17 and 25, and 1.0 mi upstream from Dukes Creek.

DRAINAGE AREA.--47.5 mi², revised.

PERIOD OF RECORD.--July 1977 to May 1979, July 1990 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 03...	0815	81213	58	21	22	6.8	7.1	18.0	20.0	8.0	88
NOV 01...	0715	81341	104	18	17	6.7	6.3	13.0	13.0	8.9	88
DEC 05...	0700	81341	108	16	14	6.7	6.9	11.0	11.0	10.0	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	81213	2.6	1.0	1300	9	36	0.080	<0.010	<0.020	0.70
NOV 01...	81341	1.0	<1.0	230	5	--	0.020	0.060	<0.020	1.0
DEC 05...	81341	1.0	<1.0	140	9	--	0.040	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02331000 CHATTAHOOCHEE RIVER NEAR LEAF, GA.

LOCATION.--Lat 34°34'37", long 83°38'09", White-Habersham County line, Hydrologic Unit 03130001, at bridge on State Highway 115, 3 mi upstream from Soque River, 1.5 mi east of Leaf, and at mile 405.6.

DRAINAGE AREA.--150 mi², approximately.

PERIOD OF RECORD.--February 1968 to January 1972, April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	0820	81213	1960	32	32	6.3	6.3	18.0	17.0	8.8	98
NOV 02...	0700	81341	680	25	24	6.9	6.6	14.0	15.0	9.6	97
DEC 06...	0700	81341	300	23	21	7.0	6.7	10.0	6.0	10.2	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	81213	240	2.2	--	--	7	510	0.690	0.060	0.440	6.5
NOV 02...	81341	34	1.4	--	6	8	44	0.190	<0.030	0.070	2.0
DEC 06...	81341	2.0	1.1	210	6	6	2	0.230	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02331500 SOQUE RIVER NEAR DEMOREST, GA.

LOCATION.--Lat 34°34'23", long 83°35'27", Habersham County, Hydrologic Unit 03130001, at bridge on State Highway 105, 3 mi downstream of Habersham Mills Dam, and 2.5 mi west of Demorest.

DRAINAGE AREA.--156 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	1000	81213	3200	39	40	6.7	6.4	19.0	17.0	8.4	95
NOV 02...	0730	81341	2850	38	36	6.7	6.8	14.0	15.0	9.6	97
DEC 06...	0730	81341	250	39	37	7.0	6.9	10.0	6.0	10.2	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	81213	260	3.0	--	--	9	140	0.880	0.140	0.670	7.2
NOV 02...	81341	17	1.2	--	10	10	22	0.500	<0.030	0.050	2.0
DEC 06...	81341	6.0	1.5	170	8	8	5	0.620	<0.030	0.030	1.0

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, on downstream side of bridge on Duncan Bridge Road (Georgia Highway 384), 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.--315 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 2106: 1963(M).

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and after June 16, 1992 to October 25, 1994, at site 1,000 ft upstream at same datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Some regulation at low flow from Habersham Mill powerplant.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0515	12,600	10.93	Jan. 27	0515	*21,500	16.68
Nov. 7	1745	7,020	7.08	Feb. 2	2145	8,500	8.15
Nov. 11	1600	8,680	8.28	Mar. 6	1315	8,000	7.80
Jan. 19	0545	6,210	6.45	Mar. 7	1145	8,000	7.80

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	283	560	625	626	1510	979	1440	1240	756	538	561	e480
2	282	1230	616	745	4470	972	1270	1110	743	527	461	e460
3	305	1150	607	773	4210	947	1190	1040	730	512	450	e440
4	4730	787	603	660	2120	922	1140	1000	718	484	448	434
5	8260	677	599	626	1720	922	1110	966	710	479	474	537
6	2250	645	607	737	1560	4180	1080	1570	684	491	509	434
7	1300	3040	723	1340	1480	4960	1060	1630	680	496	437	396
8	1010	2130	636	902	1410	2250	1040	1200	939	529	429	436
9	837	1200	855	771	1420	1610	1030	1090	1960	506	426	405
10	745	960	723	734	1330	1420	994	1020	1240	464	397	489
11	684	4020	651	705	1290	1300	981	1020	1150	451	449	422
12	629	2280	628	733	1220	1240	974	984	1090	443	1270	610
13	652	1420	613	687	1190	1190	989	931	1010	467	788	411
14	1200	1180	603	701	1170	1150	1000	914	882	486	609	363
15	945	1020	598	714	1140	1170	964	1020	861	708	510	347
16	722	929	589	733	1110	1200	975	990	851	600	486	525
17	640	868	570	729	1080	1290	924	920	779	536	440	1050
18	604	829	655	884	1070	1140	911	873	771	500	422	561
19	577	804	1550	3780	1050	1700	1050	847	775	457	434	458
20	566	775	1040	1540	1810	1350	1470	825	740	435	411	414
21	556	748	812	1190	1410	1210	1860	805	696	426	394	431
22	525	719	734	1030	1240	1150	1290	785	674	436	382	587
23	510	706	689	954	1170	1110	1140	763	650	419	389	429
24	506	700	658	1150	1120	1090	1070	753	629	397	423	393
25	499	683	639	1050	1070	1140	1020	959	614	542	452	376
26	485	670	624	2610	1060	1120	1180	1110	597	648	500	368
27	503	660	613	13400	1040	1090	1080	1340	581	462	468	593
28	599	664	598	3070	1040	1640	1000	1320	580	464	470	1460
29	494	717	585	2100	990	1490	1030	965	568	449	478	1390
30	472	646	579	1770	---	1290	1740	844	553	424	575	799
31	504	---	595	1810	---	1320	---	796	---	507	474	---
TOTAL	32874	33417	21217	49254	43500	45542	34002	31630	24211	15283	15416	16498
MEAN	1060	1114	684	1589	1500	1469	1133	1020	807	493	497	550
MAX	8260	4020	1550	13400	4470	4960	1860	1630	1960	708	1270	1460
MIN	282	560	570	626	990	922	911	753	553	397	382	347
CFSM	3.37	3.54	2.17	5.04	4.76	4.66	3.60	3.24	2.56	1.57	1.58	1.75
IN.	3.88	3.95	2.51	5.82	5.14	5.38	4.02	3.74	2.86	1.80	1.82	1.95

e Estimated

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	554	627	801	984	1101	1268	1163	947	753	624	624	507
MAX	1287	1602	1909	1938	1823	2376	2385	2043	1487	1165	1926	1058
(WY)	1990	1993	1962	1993	1990	1980	1964	1973	1973	1989	1967	1967
MIN	204	257	310	293	426	449	368	324	227	166	179	273
(WY)	1988	1982	1966	1981	1986	1988	1986	1986	1986	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1957 - 1996	
ANNUAL TOTAL	302647		362844		829	
ANNUAL MEAN	829		991		1198	
HIGHEST ANNUAL MEAN					370	
LOWEST ANNUAL MEAN					15800	
HIGHEST DAILY MEAN	8260	Oct 5	13400	Jan 27	124	Jul 16 1986
LOWEST DAILY MEAN	267	Aug 19	282	Oct 2	91	Sep 7 1957
ANNUAL SEVEN-DAY MINIMUM	296	Sep 27	408	Aug 18	124	Jul 16 1986
INSTANTANEOUS PEAK FLOW			21500	Jan 27	a26400	Mar 12 1963
INSTANTANEOUS PEAK STAGE			16.68	Jan 27	20.55	Mar 12 1963
ANNUAL RUNOFF (CFSM)	2.63		3.15		2.63	
ANNUAL RUNOFF (INCHES)	35.74		42.85		35.74	
10 PERCENT EXCEEDS	1260		1470		1370	
50 PERCENT EXCEEDS	674		771		669	
90 PERCENT EXCEEDS	354		440		327	

a From rating curve extended above 17,000 ft³/s on basis of contracted-opening measurement of peak flow.

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory analyses with the analyzing agency code 80113, 81213, and 84213 are by the U.S. Geological Survey. Laboratory chemical analyses with the analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	0630	81213	3810	33	30	6.6	6.6	19.0	17.0	7.6	86
NOV 02...	0630	81341	1070	30	28	6.9	6.6	14.0	15.0	9.8	99
DEC 06...	0630	81341	611	28	32	7.0	6.9	10.0	6.0	10.2	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	81213	150	1.8	--	7	270	0.530	0.080	0.250	4.2
NOV 02...	81341	21	1.5	1700	8	--	0.290	<0.030	0.220	2.0
DEC 06...	81341	3.0	1.0	220	8	--	0.340	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT						
04...	1056	80113	6010	--	926	15000
04...	1101	80113	6010	--	750	12200
04...	1638	80113	6570	--	618	11000
04...	1643	80113	6570	--	620	11000
05...	0555	80113	12600	--	894	30400
05...	0600	80113	12600	--	910	31000
05...	1132	80113	9220	--	491	12200
05...	1137	80113	9220	--	469	11700
05...	1645	80113	6320	--	309	5270
05...	1650	80113	6320	--	277	4730
NOV						
20...	1212	80113	777	9.0	3	6.3
20...	1217	80113	777	9.0	3	6.3
JAN						
23...	1200	82213	953	5.0	8	21
23...	1205	82213	953	5.0	10	26
FEB						
21...	1112	82213	1400	9.0	11	42
21...	1117	82213	1400	9.0	12	45
MAR						
06...	1220	82213	7800	--	837	17600
06...	1225	82213	7800	--	683	14400
06...	1610	82213	6550	--	522	9230
06...	1615	82213	6550	--	438	7750
06...	1845	82213	4790	--	420	5430
06...	1850	82213	4790	--	308	3980
07...	0915	82213	6590	--	514	9150
07...	0920	82213	6590	--	635	11300
07...	1110	82213	7900	--	870	18600
07...	1115	82213	7900	--	643	13700
07...	1540	82213	6380	--	388	6680
07...	1545	82213	6380	--	345	5940
07...	1748	82213	5150	--	329	4570
07...	1753	82213	5150	--	287	3990
18...	1610	82213	1130	12.0	11	34
18...	1615	82213	1130	12.0	12	37
APR						
29...	1515	82213	988	18.5	6	16
29...	1520	82213	988	18.5	6	16
JUN						
17...	1345	82213	785	--	23	49
17...	1350	82213	785	--	22	47
JUL						
16...	1015	82213	590	--	20	32
16...	1020	82213	590	--	19	30

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM					
DATE	TIME												
OCT													
04...	1638	80113	6570	48	55	71	89	100					
04...	1643	80113	6570	51	--	--	--	--					
05...	0555	80113	12600	45	--	--	--	--					
MAR													
06...	1220	82213	7800	53	--	--	--	--					
07...	0915	82213	6590	45	53	72	93	100					
07...	0920	82213	6590	64	--	--	--	--					
07...	1110	82213	7900	64	--	--	--	--					
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	
OCT													
04...	1452	80113	5520	--	1	5	30	80	94	99	100	100	
04...	1453	80113	5520	--	--	4	42	89	98	100	100	100	
04...	1454	80113	5520	--	--	2	14	62	89	98	100	100	
04...	1455	80113	5520	--	--	3	11	32	48	56	60	73	
05...	1000	80113	10300	--	--	2	10	38	74	85	87	93	
05...	1001	80113	10300	--	--	2	11	56	87	96	98	100	
05...	1002	80113	10300	--	--	1	5	41	80	95	99	100	
05...	1003	80113	10300	--	1	9	44	91	99	100	100	100	
MAR													
06...	1537	82213	6900	--	--	10	86	100	100	100	100	100	
06...	1538	82213	6900	--	--	1	22	71	93	99	100	100	
06...	1539	82213	6900	1	1	1	8	25	74	93	98	100	
06...	1540	82213	6900	--	--	2	13	16	70	92	96	100	
SEP													
08...	0647	82213	483	--	10	60	84	90	95	100	100	100	
08...	0648	82213	483	--	7	48	69	76	82	87	95	100	
08...	0649	82213	483	2	20	77	98	100	100	100	100	100	
08...	0650	82213	483	1	23	81	98	100	100	100	100	100	
08...	0651	82213	483	2	16	71	98	100	100	100	100	100	

APALACHICOLA RIVER BASIN

02331768 MOSSY CREEK AT STATE HIGHWAY 254 NEAR CLEVELAND, GA.

LOCATION.--Lat 34°32'07", long 83°41'15", White County, Hydrologic Unit 03130001, at bridge on State Highway 254, 1.5 mi upstream from Dean Creek, and 5 mi southeast of Cleveland.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	0730	81213	710	45	46	6.3	6.3	18.0	17.0	7.8	87
NOV 02...	0800	81341	670	42	40	6.8	6.4	15.0	15.0	9.4	98
DEC 06...	0800	81341	610	39	36	7.0	6.9	10.0	6.0	10.2	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	81213	620	3.0	--	--	8	510	1.20	0.210	1.30	8.7
NOV 02...	81341	110	2.9	--	8	8	138	0.740	0.130	0.200	5.0
DEC 06...	81341	6.0	1.6	230	8	9	6	0.970	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 34°24'55", long 83°49'18", Hall County, Hydrologic Unit 03130001, on the downstream center culvert support on Jess Helton Road, 1.0 mi downstream from Bear Creek, 2 mi above mouth, and 5.3 mi southwest from Clermont.
DRAINAGE AREA.--18.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1993 to current year.

REVISED RECORDS.--WDR GA-95-1: 1993-94 (M).

GAGE.--Water-stage recorder. Elevation of gage is 1080 ft above sea level (from topographic map).

REMARKS.--Records fair, except those for the periods of estimated daily discharge, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0130	1,480	11.56	Jan. 19	0230	825	9.62
Nov. 7	1415	1,640	11.90	Jan. 27	0315	3,260	14.16
Nov. 11	1145	867	9.78	Mar. 6	0910	3,500	14.40

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	14	23	28	34	e130	41	72	43	25	18	22	15
2	13	70	27	36	e150	40	56	41	24	18	19	15
3	16	49	27	34	e130	39	52	39	24	18	19	15
4	585	34	27	32	e70	38	50	37	23	18	18	15
5	475	29	27	31	e65	38	49	36	23	18	18	14
6	63	30	27	54	e63	1310	48	37	22	18	17	14
7	37	444	36	105	e58	586	46	35	23	18	17	13
8	28	109	28	54	e55	94	46	34	42	18	17	13
9	25	59	51	45	50	56	45	33	71	18	17	13
10	23	47	35	41	48	48	43	32	40	18	16	13
11	21	298	30	39	47	46	43	36	40	17	24	13
12	20	100	29	38	44	46	e39	33	33	17	38	13
13	22	66	27	36	44	45	e43	31	30	18	22	e12
14	34	54	26	35	45	45	e37	31	27	19	19	e12
15	25	47	26	34	45	49	e39	34	26	28	18	e12
16	22	43	25	33	43	48	e39	32	25	20	17	e22
17	20	40	24	32	42	49	e38	30	24	19	17	19
18	20	38	29	70	42	47	e41	29	26	18	16	e14
19	20	36	109	273	42	99	47	28	25	18	16	e13
20	20	34	57	66	63	52	112	28	24	18	15	e12
21	19	33	48	53	50	48	108	27	23	18	15	e17
22	19	32	44	47	47	47	57	26	22	18	15	17
23	19	31	41	44	46	46	50	25	21	17	15	13
24	19	31	38	51	45	46	45	25	21	17	16	e12
25	18	30	37	43	43	50	43	25	20	21	17	e11
26	19	29	36	470	43	47	50	24	20	19	15	e10
27	21	29	35	1120	44	51	42	25	19	18	20	e17
28	23	32	33	115	44	72	40	43	19	19	21	34
29	19	33	32	78	41	60	46	28	19	18	17	22
30	19	28	32	66	---	55	61	26	19	17	16	17
31	21	---	33	e120	---	64	---	25	---	31	15	---
TOTAL	1719	1958	1104	3329	1679	3402	1527	978	800	585	564	452
MEAN	55.5	65.3	35.6	107	57.9	110	50.9	31.5	26.7	18.9	18.2	15.1
MAX	585	444	109	1120	150	1310	112	43	71	31	38	34
MIN	13	23	24	31	41	38	37	24	19	17	15	10
CFSM	3.03	3.57	1.95	5.87	3.16	6.00	2.78	1.72	1.46	1.03	.99	.82
IN.	3.49	3.98	2.24	6.77	3.41	6.92	3.10	1.99	1.63	1.19	1.15	.92

e Estimated

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	30.0	35.3	27.3	61.1	56.8	70.4	40.7	27.7	31.9	19.4	25.4	14.6
MAX	55.5	65.3	35.6	107	76.7	110	50.9	36.1	39.2	23.6	46.5	18.4
(WY)	1996	1996	1996	1996	1995	1996	1996	1993	1994	1994	1994	1994
MIN	11.5	17.9	18.6	28.2	42.6	46.1	30.5	21.4	23.5	15.6	13.4	11.2
(WY)	1994	1994	1994	1994	1994	1994	1995	1994	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	14533		18097		37.2	
ANNUAL MEAN	39.8		49.4		49.4	
HIGHEST ANNUAL MEAN					29.1	
LOWEST ANNUAL MEAN					1310	
HIGHEST DAILY MEAN	625	Feb 16	1310	Mar 6	1310	Mar 6 1996
LOWEST DAILY MEAN	12	a	b10	Sep 26	8.4	Oct 14 1993
ANNUAL SEVEN-DAY MINIMUM	12	Sep 24	13	Sep 9	8.8	Oct 10 1993
INSTANTANEOUS PEAK FLOW			c3500	Mar 6	c3500	Mar 6 1996
INSTANTANEOUS PEAK STAGE			d14.4	Mar 6	d14.4	Mar 6 1996
INSTANTANEOUS LOW FLOW			10	Sep 26	7.8	Oct 13 1993
ANNUAL RUNOFF (CFSM)	2.18		2.70		2.03	
ANNUAL RUNOFF (INCHES)	29.54		36.79		27.59	
10 PERCENT EXCEEDS	59		63		52	
50 PERCENT EXCEEDS	26		32		25	
90 PERCENT EXCEEDS	14		17		13	

a Aug 16-19 and Sep 8-12, 25-30

b Observed, may have been lower during periods of questionable gage-height record Sep 13-27

c From rating curve extended above 750 ft³/s on basis of peak flow through culvert measurement

d From floodmarks

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	1030	424	66	6.2	18.5	21.0	9.2	102
NOV 08...	1000	103	58	6.5	10.5	9.5	10.1	94
DEC 05...	1100	27	54	6.8	11.0	12.5	8.6	80
JAN 18...	1030	35	57	6.7	10.0	16.0	10.4	95
FEB 27...	1040	41	52	6.8	12.0	22.0	9.7	93
APR 04...	1000	48	54	6.7	12.0	17.5	10.0	96
MAY 09...	1030	33	54	6.6	17.5	--	8.4	90
JUN 19...	1030	25	60	6.6	20.5	30.0	8.2	94
JUL 17...	0900	18	63	6.7	22.0	--	7.8	91
AUG 28...	1010	17	79	6.8	21.0	23.0	8.0	92
SEP 26...	0800	10	59	6.3	18.0	21.0	8.3	90

DATE	TUR-BID- ITY (NTU)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 04...	350	0.030	1.40	0.400	3.3	1.1	1.50	0.320	0.310	8.3	>12
NOV 08...	42	<0.010	1.60	0.110	0.60	0.40	0.200	0.080	0.090	2.8	1.6
DEC 05...	2.7	<0.010	1.80	<0.015	<0.20	<0.20	0.030	<0.010	0.010	0.80	0.20
JAN 18...	4.1	0.010	1.90	0.020	<0.20	0.40	0.040	0.040	0.030	1.5	0.70
FEB 27...	--	0.010	1.80	<0.015	<0.20	0.20	0.030	0.030	0.020	--	--
APR 04...	4.3	<0.010	1.80	<0.020	<0.20	<0.20	0.010	<0.050	<0.020	0.80	--
MAY 09...	2.5	0.010	1.90	0.040	0.20	<0.20	0.050	0.020	0.020	1.0	0.60
JUN 19...	6.7	0.020	1.70	0.050	0.30	0.30	0.030	0.020	0.030	1.3	0.70
JUL 17...	4.2	0.020	1.40	0.090	0.30	0.20	0.090	0.050	0.080	1.8	0.60
AUG 28...	31	0.050	1.70	0.690	1.1	0.80	0.140	0.070	0.090	3.8	0.30
SEP 26...	3.6	<0.010	1.60	0.020	<0.20	<0.20	0.020	0.020	0.030	1.6	0.50

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 04...	1030	424	18.5	1050	1200	80
DEC 05...	1100	27	11.0	7	0.51	--
JAN 18...	1030	35	10.0	7	0.66	--
FEB 27...	1040	41	12.0	9	1.0	--
APR 04...	1000	48	12.0	10	1.3	--
MAY 09...	1030	33	17.5	13	1.2	--
AUG 28...	1010	17	21.0	50	2.2	--
SEP 26...	0800	10	18.0	21	0.57	--

APALACHICOLA RIVER BASIN

02333105 DICKS CREEK NEAR NEELS GAP, GA.

LOCATION.--Lat 34°40'48", long 83°56'15", Lumpkin County, Hydrologic Unit 03130001, at Forest Service Road 216, 0.1 mi above Waters Creek, 1.6 mi below Blood Mountain Creek, and 4.0 mi southwest of Neels Gap.

DRAINAGE AREA.--9.01 mi², revised.

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

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Field determinations of Discharges are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 03...	0730	15	19	18	6.8	6.5	18.0	20.0	8.5	96
NOV 01...	0620	18	15	15	6.9	6.3	12.0	13.0	10.0	98
DEC 05...	0600	23	14	15	7.0	6.7	11.0	11.0	10.2	98
JAN 25...	1130	61	12	12	6.7	6.7	5.5	7.5	11.5	96
FEB 22...	1700	53	13	13	6.7	6.2	11.0	18.5	9.9	94
MAR 28...	1330	61	13	12	6.6	6.2	9.0	9.0	10.4	95
APR 17...	1630	27	13	13	6.8	6.1	13.5	21.5	9.1	92
MAY 23...	1020	22	14	14	6.8	6.4	16.0	23.0	8.8	95
JUN 20...	1650	18	15	14	6.7	6.2	19.0	23.5	8.1	93
JUL 11...	1550	9.9	15	15	6.8	6.3	19.0	24.0	8.2	93
AUG 29...	1145	10	16	16	6.8	6.6	19.0	22.5	8.3	95
SEP 12...	1545	12	16	15	6.6	6.7	18.5	24.5	8.1	92

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	2.0	1.4	--	7	13	<0.020	<0.030	0.020	2.0
NOV 01...	<1.0	<1.0	20	4	1	<0.020	<0.030	<0.020	1.0
DEC 05...	1.0	1.2	110	7	<1	<0.020	<0.030	<0.020	<1.0
JAN 25...	2.0	<1.0	<20	4	<1	0.040	<0.030	<0.020	<1.0
FEB 22...	<1.0	<1.0	<20	4	2	0.030	<0.030	<0.020	<1.0
MAR 28...	<1.0	<1.0	50	4	2	<0.020	<0.030	<0.020	<1.0
APR 17...	<1.0	<1.0	<20	4	<1	0.120	<0.030	<0.020	<1.0
MAY 23...	<1.0	<1.0	<20	8	3	0.040	<0.030	<0.020	<1.0
JUN 20...	2.0	<1.0	<20	4	<1	0.050	<0.030	<0.020	<1.0
JUL 11...	2.0	<1.0	<20	5	<1	0.030	<0.030	<0.020	<1.0
AUG 29...	<1.0	<1.0	50	6	<1	0.030	<0.030	0.060	<1.0
SEP 12...	1.0	<1.0	--	6	2	0.030	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02333150 CHESTATEE RIVER NEAR NEELS GAP, GA.

LOCATION.--Lat 34°37'55", long 83°54'42", Lumpkin County, Hydrologic Unit 03130001, 1.3 mi downstream from Mill Creek, 9.7 mi upstream from Tesnatee Creek, and 7 mi south of Neels Gap.

DRAINAGE AREA.--42.3 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 03...	0900	81213	36	20	22	6.8	7.0	18.0	20.0	8.6	96
NOV 01...	0800	81341	65	18	17	6.7	6.4	13.0	13.0	9.4	93
DEC 05...	0800	81341	71	17	16	6.7	6.6	11.0	11.0	10.0	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	81213	2.4	0.8	790	--	9	4	0.100	<0.010	<0.020	0.60
NOV 01...	81341	1.0	<1.0	80	4	8	2	0.080	0.060	<0.020	2.0
DEC 05...	81341	1.0	<1.0	490	10	6	1	0.100	<0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft upstream from Bearden Bridge on State Highway 52, 2 mi downstream from Ballplay Creek, 2.5 mi east of Dahlonega, and 3.5 mi upstream from Yahoola Creek.
DRAINAGE AREA.--153 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1929 to January 1932, April 1940 to current year. Monthly discharge only for July 1929, published in WSP 1304.

REVISED RECORDS.--WRD GA-95-1:1994.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good. Periods of monthly discharges only are not included in statistics computations.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0930	4,270	8.65	Jan. 27	0400	*14,800	19.41
Nov. 7	1630	4,810	9.38	Feb. 2	2200	3,540	7.61
Nov. 11	1445	5,280	9.98	Mar. 6	1200	5,720	10.52
Jan. 19	0415	3,380	7.36	Mar. 7	1115	4,780	9.33

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	124	243	276	286	876	434	745	641	293	204	237	217
2	124	723	270	356	2290	430	662	577	288	196	183	190
3	141	620	265	394	2030	417	624	530	283	191	193	196
4	2090	398	263	327	1150	409	598	488	275	183	187	190
5	3440	333	263	302	929	408	573	462	266	182	186	453
6	1070	312	270	398	825	3000	557	549	258	184	194	227
7	557	2060	316	778	757	3080	539	653	252	183	170	194
8	414	1260	272	468	713	1390	516	528	322	184	164	204
9	350	646	390	396	737	967	504	479	958	182	165	191
10	310	497	317	368	660	824	478	450	680	172	153	229
11	280	2450	284	349	633	742	466	469	605	170	187	202
12	254	1370	273	359	590	693	462	435	481	175	505	206
13	269	814	265	332	568	652	473	409	434	184	287	174
14	698	633	260	342	557	624	479	398	371	182	202	162
15	414	536	258	346	540	634	457	473	338	282	185	157
16	307	480	256	348	524	662	471	433	334	225	171	253
17	277	445	248	342	511	731	431	397	303	190	162	617
18	265	420	295	410	499	608	419	372	292	176	165	283
19	245	401	905	2010	484	1110	552	354	297	169	163	223
20	241	380	523	777	859	803	796	341	293	163	170	199
21	237	364	399	570	657	692	1070	329	270	163	157	210
22	220	347	355	489	578	639	721	318	258	197	153	280
23	214	336	326	450	538	605	619	305	248	167	161	196
24	209	331	305	583	508	581	548	304	241	163	185	179
25	205	317	293	509	482	604	508	350	237	214	209	172
26	201	306	285	1810	473	577	659	325	229	253	245	167
27	216	302	279	7560	468	556	596	428	224	176	280	329
28	273	298	267	1620	465	875	521	553	222	188	217	784
29	216	296	260	1110	442	785	543	378	214	176	187	741
30	207	283	258	951	---	675	865	329	208	165	422	410
31	224	---	263	1140	---	695	---	310	---	192	257	---
TOTAL	14292	18201	9759	26480	21343	25902	17452	13367	9974	5831	6502	8235
MEAN	461	607	315	854	736	836	582	431	332	188	210	274
MAX	3440	2450	905	7560	2290	3080	1070	653	958	282	505	784
MIN	124	243	248	286	442	408	419	304	208	163	153	157
CFSM	3.01	3.97	2.06	5.58	4.81	5.46	3.80	2.82	2.17	1.23	1.37	1.79
IN.	3.47	4.43	2.37	6.44	5.19	6.30	4.24	3.25	2.43	1.42	1.58	2.00

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	210	263	368	475	535	612	531	406	302	266	262	209
MAX	594	855	996	1334	1183	1255	1200	1004	781	589	1097	650
(WY)	1990	1930	1962	1946	1946	1980	1979	1973	1973	1967	1967	1929
MIN	66.3	105	127	119	177	197	158	132	94.0	63.4	63.5	77.7
(WY)	1942	1942	1956	1981	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	144443		177338		369	
ANNUAL MEAN	396		485		565	
HIGHEST ANNUAL MEAN					152	
LOWEST ANNUAL MEAN					11400	
HIGHEST DAILY MEAN	3440	Oct 5	7560	Jan 27	a44	Aug 23 1967
LOWEST DAILY MEAN	118	Aug 19	124	Oct 1	47	Aug 6 1986
ANNUAL SEVEN-DAY MINIMUM	130	Aug 13	162	Aug 17	22700	Aug 2 1986
INSTANTANEOUS PEAK FLOW			14800	Jan 27	25.17	Aug 23 1967
INSTANTANEOUS PEAK STAGE			19.41	Jan 27	44	Aug 23 1967
INSTANTANEOUS LOW FLOW			123	Oct 1	2.41	Aug 6 1986
ANNUAL RUNOFF (CFSM)	2.59		3.17		32.73	
ANNUAL RUNOFF (INCHES)	35.12		43.12		648	
10 PERCENT EXCEEDS	641		784		280	
50 PERCENT EXCEEDS	296		344		125	
90 PERCENT EXCEEDS	150		183			

a Observed.

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1957 to April 1959, October 1968, January 1972 to May 1976, and October 1989 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 80113, 81213 and 84213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 03...	0600	81213	125	30	31	7.0	7.2	20.0	20.0	7.2	83
NOV 01...	0500	81341	256	28	27	7.0	6.6	13.0	13.0	9.8	96
DEC 05...	0500	81341	259	27	27	6.7	7.2	11.0	10.0	10.0	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	81213	3.6	0.7	330	--	12	14	0.310	<0.010	<0.020	0.80
NOV 01...	81341	4.0	<1.0	140	8	9	5	0.280	<0.030	<0.020	1.0
DEC 05...	81341	2.0	<1.0	70	8	9	2	0.330	0.030	<0.020	<1.0

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT						
04...	1038	82213	2670	--	847	6110
04...	1043	82213	2670	--	947	6830
04...	1305	82213	2270	--	607	3720
04...	1310	82213	2270	--	649	3980
04...	1839	82213	3040	--	552	4530
04...	1844	82213	3040	--	553	4540
05...	0600	82213	4230	--	725	8280
05...	0605	82213	4230	--	728	8310
05...	1425	82213	3870	--	404	4220
05...	1430	82213	3870	--	385	4020
06...	0547	82213	1280	--	149	515
06...	0552	82213	1280	--	157	543
NOV						
13...	1344	82213	786	9.5	13	28
13...	1349	82213	786	9.5	15	32
JAN						
11...	1139	82213	345	3.5	9	8.4
11...	1144	82213	345	3.5	10	9.3
FEB						
20...	1212	82213	1160	9.0	87	272
20...	1217	82213	1160	9.0	88	276
MAR						
06...	1150	82213	5710	11.0	1390	21400
06...	1155	82213	5710	11.0	1220	18800
06...	1652	82213	3770	11.0	610	6210
06...	1657	82213	3770	11.0	617	6280
06...	1944	82213	2690	11.0	534	3880
06...	1949	82213	2690	11.0	484	3520
07...	0854	82213	4250	--	1180	13500
07...	0859	82213	4250	--	856	9820
07...	1042	82213	4760	--	831	10700
07...	1047	82213	4760	--	874	11200
07...	1522	82213	3860	--	543	5660
07...	1527	82213	3860	--	512	5340
07...	1852	82213	2790	--	478	3600
07...	1857	82213	2790	--	418	3150
18...	1210	82213	605	11.0	8	13
18...	1215	82213	605	11.0	8	13
APR						
29...	1112	82213	497	16.5	7	9.4
29...	1117	82213	497	16.5	7	9.4
JUN						
17...	1021	82213	308	--	15	12
17...	1026	82213	308	--	13	11
JUL						
15...	1141	82213	286	--	28	22
15...	1146	82213	286	--	29	22

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
OCT								
04...	1305	82213	2270	60	--	--	--	--
04...	1839	82213	3040	45	53	73	95	100
04...	1844	82213	3040	56	--	--	--	--
05...	0600	82213	4230	41	--	--	--	--
MAR								
06...	1150	82213	5710	62	--	--	--	--
07...	0854	82213	4250	68	--	--	--	--
07...	1042	82213	4760	65	--	--	--	--

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
MAR												
07...	1337	82213	4420	--	--	1	13	16	61	85	95	100
07...	1338	82213	4420	--	--	1	13	22	54	73	92	100
07...	1339	82213	4420	--	--	10	42	52	67	100	100	100
SEP												
08...	0752	82213	207	--	1	8	27	33	53	75	89	100
08...	0753	82213	207	--	1	9	30	41	55	70	90	100
08...	0754	84213	207	--	3	13	42	66	81	88	92	100
08...	0755	84213	207	--	1	6	47	88	100	100	100	100

APALACHICOLA RIVER BASIN

02333600 YAHOOOLA CREEK AT DAHLONEGA, GA.

LOCATION.--Lat34°32'32", long 83°58'13", Lumpkin County, Hydrologic Unit 03130001, at bridge on State Highway 52, 4.5 mi above mouth, at Dahlonega.

DRAINAGE AREA.--31.3 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 03...	0640	81213	81	38	39	7.1	7.2	20.0	20.0	7.6	88
NOV 01...	0540	81341	52	36	35	7.0	6.8	13.0	13.0	9.8	97
DEC 05...	0530	81341	53	32	30	6.8	6.9	11.0	10.0	10.0	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	81213	11	0.8	490	--	15	270	0.420	0.010	0.020	0.80
NOV 01...	81341	5.0	<1.0	80	12	11	9	0.400	<0.030	0.020	2.0
DEC 05...	81341	5.0	<1.0	140	10	12	7	0.440	<0.030	0.020	<1.0

APALACHICOLA RIVER BASIN

02334140 FLAT CREEK AT MCEVER ROAD, NEAR GAINESVILLE, GA.

LOCATION.--Lat 34°15'57", long 83°53'06", Hall County, Hydrologic Unit 03130001, at bridge on McEver Road, 4.7 mi southwest of Gainesville.

DRAINAGE AREA.--6.9 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 04...	1100	81213	95	180	182	6.7	6.8	19.0	17.0	8.6	97
NOV 02...	0900	81341	82	349	326	7.1	7.2	17.0	15.0	8.7	94
DEC 06...	0900	81341	40	544	503	6.8	7.0	13.0	10.0	9.6	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	81213	100	1.8	--	--	21	680	3.60	0.110	0.540	7.3
NOV 02...	81341	23	3.4	--	78	40	20	6.93	0.110	0.180	6.0
DEC 06...	81341	2.0	1.3	90	100	37	2	11.2	0.050	0.050	4.0

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.

LOCATION.--Lat 34°09'25", long 84°04'44", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 ft downstream from Buford Dam, 2.4 mi upstream from bridge on State Highway 20, 4 mi northwest of Buford, and at mile 348.1.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

REVISED RECORDS.--WDR GA-79-1: 1972-78 (maximum gage heights only). WDR GA-90-1: 1986-89 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft above sea level (levels by U.S. Army Corps of Engineers). June 24 to Dec. 21, 1901, Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage, and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 2.5 mi downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi downstream, all at different datum.

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--55 years, 2,093 ft³/s, 27.34 in/yr, adjusted for storage since 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

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	945	1300	2100	549	7570	3240	1690	4420	562	2890	2510	1350
2	2140	1320	1320	1300	623	546	1690	2950	941	2880	2510	1350
3	2140	1310	938	1310	2800	917	1690	6790	3710	2890	552	2580
4	1060	545	1320	1300	6890	2830	1680	565	2040	2890	1310	2560
5	1070	928	1360	1300	8010	2820	1690	4450	3700	1700	3710	2560
6	2150	1720	1270	555	8050	1980	551	4030	3690	556	3720	2580
7	540	1810	1330	933	8100	650	1140	4030	3690	1320	3730	563
8	546	1730	2490	1300	8640	5870	2670	4030	562	3530	3720	1350
9	1310	1710	574	1310	8680	8980	2660	4050	947	3820	3730	2340
10	1310	1690	958	1300	8670	8760	2660	4080	3680	3830	555	2330
11	1300	574	1330	1300	8740	8810	2670	569	3680	3570	1310	2140
12	1300	559	1320	3600	8750	8800	2680	949	3680	3580	3730	2170
13	1290	1310	1320	549	8750	8850	535	2500	3690	552	3720	2180
14	521	1310	1310	917	8800	8840	543	2490	3680	1310	3730	562
15	899	1310	1310	3600	8820	6480	3080	2500	556	2900	3740	955
16	2080	1300	554	3590	8810	2310	3080	2500	947	2890	3740	2190
17	2080	1310	920	3590	8880	2050	3870	2480	2110	2890	553	2170
18	2070	557	1310	3600	8850	3210	3870	564	2100	2890	1330	2580
19	2070	561	1320	4420	5410	5150	3850	1710	2100	2900	2940	2580
20	2080	2460	1310	543	5940	7110	568	3680	2100	554	2950	2170
21	520	2460	1380	910	6720	7170	557	3680	2410	1320	2960	567
22	1270	2450	1310	3530	6740	5640	4050	4300	840	1710	2950	954
23	1290	2470	558	3590	6750	540	4080	3690	932	1720	2960	1760
24	1270	2460	942	3590	2820	545	4110	3670	2500	1710	557	1760
25	1290	563	4400	3580	2840	3630	4260	558	2800	1720	1340	1760
26	1290	932	4420	3630	3240	4390	4260	1340	2750	1720	2160	2160
27	1300	2110	4420	1770	3240	1320	2810	4120	2470	551	2160	1760
28	533	2120	4420	6610	3240	2480	2560	2080	2480	1320	2140	568
29	909	2110	4450	7350	3250	6000	2100	2100	555	1720	2160	941
30	1340	2110	543	7940	---	545	4410	2100	933	2510	2170	2160
31	928	---	923	6610	---	547	---	2100	---	2520	565	---
TOTAL	40841	45099	53430	85976	188623	131010	76064	89075	66835	68863	75912	53650
MEAN	1317	1503	1724	2773	6504	4226	2535	2873	2228	2221	2449	1788
MAX	2150	2470	4450	7940	8880	8980	4410	6790	3710	3830	3740	2580
MIN	520	545	543	543	623	540	535	558	555	551	552	562
MEAN†	3095	3232	1713	4822	4392	5260	3103	2273	1751	982	1083	1218
CFSM†	2.98	3.11	1.65	4.64	4.22	5.06	2.98	2.19	1.68	.94	1.04	1.17
IN.†	3.43	3.47	1.90	5.33	4.54	5.82	3.32	2.51	1.87	1.09	1.20	1.30

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1891	1773	1528	1845	1946	2157	2657	2247	1895	1933	2298	2105
MAX	3983	4093	4900	5833	6504	5077	6996	6799	4968	3119	3921	4266
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	1963	1971	1967
MIN	427	536	432	431	507	463	481	565	424	532	486	483
(WY)a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR				FOR 1996 WATER YEAR				WATER YEARS 1956 - 1996			
ANNUAL TOTAL	801970				975378							
ANNUAL MEAN	2197				2665				2023			
HIGHEST ANNUAL MEAN	†2209				†2739				†2119			
LOWEST ANNUAL MEAN									3089			
HIGHEST DAILY MEAN	7550				8980				855			
LOWEST DAILY MEAN	520				520				9710			
ANNUAL SEVEN-DAY MINIMUM	834				1030				262			
INSTANTANEOUS PEAK FLOW					10800				309			
INSTANTANEOUS PEAK STAGE					5.43				12100			
ANNUAL RUNOFF (CFSM)	2.11				2.56				b15.70			
ANNUAL RUNOFF (INCHES)	28.69				34.89				1.94			
10 PERCENT EXCEEDS	4460				5710				26.42			
50 PERCENT EXCEEDS	1740				2140				4420			
90 PERCENT EXCEEDS	575				562				1350			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1086	1514	2085	3127	3220	3568	2797	2240	1799	1721	1459	1275
MAX	2057	4572	3975	7251	6105	7704	4011	3642	3398	3826	2878	3677
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	449	719	1173	1311	1486	1840	1644	1608	1170	972	773	514
(WY)	1955	1955	1945	1951	1951	1955	1942	1947	1955	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2173
HIGHEST ANNUAL MEAN	3432
LOWEST ANNUAL MEAN	1419
HIGHEST DAILY MEAN	45000
LOWEST DAILY MEAN	364
ANNUAL SEVEN-DAY MINIMUM	415
INSTANTANEOUS PEAK FLOW	c55000
INSTANTANEOUS PEAK STAGE	d32.60
ANNUAL RUNOFF (CFSM)	2.09
ANNUAL RUNOFF (INCHES)	28.39
10 PERCENT EXCEEDS	3710
50 PERCENT EXCEEDS	1650
90 PERCENT EXCEEDS	850

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b At site and datum then in use.

c From rating curve extended above 13,000 ft³/s on basis of peak flows passing upstream and downstream stations.

d From floodmarks, at site and datum then in use.

APALACHICOLA RIVER BASIN

02334480 RICHLAND CREEK NEAR BUFORD, GA.

LOCATION.--Lat 34°07'57", long 84°04'12", Gwinnett County, Hydrologic Unit 03130001, at the upstream end of culvert on Suwannee-Buford Dam Road, 5 mi northwest of Buford, and 1.3 mi upstream from mouth.

DRAINAGE AREA.--9.35 mi².

PERIOD OF RECORD.--Annual maximum 1995 water year. October 1995 to December 1996 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is about 935 ft above sea level (from topographic map).

REMARKS.--Records fair. Significant diurnal fluctuations at low flow.

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	6.0	5.5	9.2	12	e22	11	23	22	9.3	6.5	9.7	e8.0
2	5.7	36	9.1	12	e100	11	22	21	9.8	e6.6	7.5	e8.5
3	9.0	16	9.0	11	e200	10	22	20	10	e6.4	8.7	8.1
4	479	8.4	9.8	10	e32	11	21	19	9.4	5.9	7.0	7.9
5	514	5.9	8.9	10	e22	13	21	17	9.1	6.2	7.1	7.8
6	30	8.1	9.8	27	e20	342	20	20	9.4	6.5	6.9	7.0
7	15	249	11	40	e19	365	22	17	9.5	6.5	8.1	6.3
8	11	35	9.2	17	e19	40	21	15	46	7.3	7.9	6.2
9	9.2	12	33	14	e18	27	21	15	32	7.7	6.9	7.8
10	7.8	9.3	13	13	e17	24	21	15	13	6.2	6.4	7.5
11	6.7	144	11	13	e16	e25	20	16	9.6	6.3	6.7	6.9
12	6.4	24	10	15	e15	21	20	13	8.9	7.0	7.8	6.5
13	5.9	14	9.9	13	e15	20	21	13	14	8.0	6.6	6.3
14	21	10	9.8	12	15	23	20	12	9.0	8.8	6.2	5.6
15	8.1	7.7	10	11	15	37	19	12	8.2	e12	6.0	5.6
16	6.6	7.3	11	11	14	33	18	14	7.8	8.7	5.9	28
17	5.9	7.0	9.5	11	14	27	18	14	8.0	8.9	5.8	15
18	5.9	7.3	13	31	14	23	17	13	7.8	8.4	5.7	7.9
19	5.2	7.3	62	e70	13	75	18	13	7.3	7.2	6.1	6.9
20	5.3	7.3	19	e20	e18	27	98	12	e7.0	10	5.9	7.0
21	4.6	7.0	15	e16	e16	22	55	12	e6.9	15	5.5	25
22	4.8	7.3	13	e14	14	22	30	12	e6.6	11	5.3	12
23	4.8	8.2	12	e13	14	20	22	11	e6.5	8.5	5.3	7.7
24	5.0	9.2	11	e24	13	19	22	11	e6.5	7.7	5.4	8.1
25	4.4	8.1	11	e16	13	20	22	11	e7.2	8.2	5.4	8.8
26	4.7	9.2	11	e19	13	18	23	11	e7.2	e8.1	e28	6.8
27	6.3	10	11	e270	13	18	18	11	6.0	e8.0	e15	9.1
28	5.6	12	10	e60	13	27	19	16	6.0	e8.5	e12	e50
29	4.3	12	9.7	e24	12	24	32	11	6.2	e7.9	e10	14
30	4.3	8.6	10	e21	---	20	38	9.3	6.5	e9.8	e9.5	9.7
31	5.0	---	11	e34	---	22	---	9.1	---	9.2	e9.0	---
TOTAL	1217.5	712.7	411.9	884	739	1397	764	437.4	310.7	253.0	249.3	322.0
MEAN	39.3	23.8	13.3	28.5	25.5	45.1	25.5	14.1	10.4	8.16	8.04	10.7
MAX	514	249	62	270	200	365	98	22	46	15	28	50
MIN	4.3	5.5	8.9	10	12	10	17	9.1	6.0	5.9	5.3	5.6
CFSM	4.20	2.54	1.42	3.05	2.73	4.82	2.72	1.51	1.11	.87	.86	1.15
IN.	4.84	2.84	1.64	3.52	2.94	5.56	3.04	1.74	1.24	1.01	.99	1.28

e Estimated

APALACHICOLA RIVER BASIN

02334480 RICHLAND CREEK NEAR BUFORD, GA.--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	7.9	7.2	79	9.0	---	---	---	---	---	---	---	---
2	7.4	13	17	8.9	---	---	---	---	---	---	---	---
3	7.2	7.3	11	9.0	---	---	---	---	---	---	---	---
4	6.7	6.6	10	8.9	---	---	---	---	---	---	---	---
5	6.3	6.4	8.0	16	---	---	---	---	---	---	---	---
6	6.8	6.5	8.5	11	---	---	---	---	---	---	---	---
7	7.0	6.4	7.7	---	---	---	---	---	---	---	---	---
8	7.9	38	6.8	---	---	---	---	---	---	---	---	---
9	6.6	12	6.6	---	---	---	---	---	---	---	---	---
10	6.4	8.6	6.8	---	---	---	---	---	---	---	---	---
11	6.2	7.8	6.6	---	---	---	---	---	---	---	---	---
12	6.1	7.5	37	---	---	---	---	---	---	---	---	---
13	6.0	7.3	21	---	---	---	---	---	---	---	---	---
14	5.9	7.1	11	---	---	---	---	---	---	---	---	---
15	5.9	6.9	9.1	---	---	---	---	---	---	---	---	---
16	5.8	7.3	8.5	---	---	---	---	---	---	---	---	---
17	5.8	6.9	11	---	---	---	---	---	---	---	---	---
18	6.1	8.9	9.3	---	---	---	---	---	---	---	---	---
19	6.2	9.5	10	---	---	---	---	---	---	---	---	---
20	5.9	11	9.3	---	---	---	---	---	---	---	---	---
21	5.8	11	8.0	---	---	---	---	---	---	---	---	---
22	5.8	8.5	8.1	---	---	---	---	---	---	---	---	---
23	6.4	7.4	8.2	---	---	---	---	---	---	---	---	---
24	6.1	5.3	9.0	---	---	---	---	---	---	---	---	---
25	6.0	8.8	8.3	---	---	---	---	---	---	---	---	---
26	5.9	12	8.1	---	---	---	---	---	---	---	---	---
27	6.2	8.9	8.9	---	---	---	---	---	---	---	---	---
28	6.1	8.0	8.7	---	---	---	---	---	---	---	---	---
29	6.2	7.7	8.6	---	---	---	---	---	---	---	---	---
30	6.1	8.2	8.5	---	---	---	---	---	---	---	---	---
31	6.0	---	8.9	---	---	---	---	---	---	---	---	---
TOTAL	196.7	278.0	387.5	---	---	---	---	---	---	---	---	---
MEAN	6.35	9.27	12.5	---	---	---	---	---	---	---	---	---
MAX	7.9	38	79	---	---	---	---	---	---	---	---	---
MIN	5.8	5.3	6.6	---	---	---	---	---	---	---	---	---
CFSM	.68	.99	1.34	---	---	---	---	---	---	---	---	---
IN.	.78	1.11	1.54	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR THE PERIOD OCT 1995 TO DEC 1996

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.8	16.5	12.9	28.5	25.5	45.1	25.5	14.1	10.4	8.16	8.04	10.7
MAX	39.3	23.8	13.3	28.5	25.5	45.1	25.5	14.1	10.4	8.16	8.04	10.7
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996	1996
MIN	6.35	9.27	12.5	28.5	25.5	45.1	25.5	14.1	10.4	8.16	8.04	10.7
(WY)	1997	1997	1997	1996	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS FOR 1996 WATER YEAR FOR 1996 CALENDAR YEAR FOR THE PERIOD OCT 1996 TO JAN 1997

ANNUAL TOTAL	7698.5	6218.6		
ANNUAL MEAN	21.0	17.0		
HIGHEST DAILY MEAN	514	365	Mar 7	79
LOWEST DAILY MEAN	4.3	5.3	Aug 22	5.3
ANNUAL SEVEN-DAY MINIMUM	4.8	5.6	Aug 19	
INSTANTANEOUS PEAK FLOW	a1930			a273
INSTANTANEOUS PEAK STAGE	9.70			2.83
INSTANTANEOUS LOW FLOW	3.4			4.5
ANNUAL RUNOFF (CFSM)	2.25	1.82		
ANNUAL RUNOFF (INCHES)	30.63	24.74		
10 PERCENT EXCEEDS	27	24		
50 PERCENT EXCEEDS	11	10		
90 PERCENT EXCEEDS	6.2	6.2		

a From rating curve extended above 100ft³/s on basis of WSPRO routing computation.

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.

LOCATION.--Lat 34°01'56", long 84°05'22", Gwinnett County, Hydrologic Unit 03130001, on upstream side of right bank bridge pier on State Highway 13 (old U.S. Highway 23), 0.2 mi upstream from Bennett Creek, 0.6 mi downstream from Mill Creek, 2.4 mi southwest of Suwanee, and 3.1 mi upstream from mouth.

DRAINAGE AREA.--46.8 mi².

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 909.71 ft above sea level.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1115	*4,350	*12.04	Jan. 27	1230	3,060	10.89
Nov. 8	0300	1,570	9.04	Feb. 3	0415	2,480	10.26
Nov. 12	0130	1,080	8.11	Mar. 7	1745	2,040	9.71
Jan. 19	1615	683	6.95	Mar. 19	1630	964	7.82

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	19	48	50	73	140	70	139	112	42	29	44	24
2	19	197	48	73	727	69	108	92	41	28	34	28
3	29	178	47	68	1500	65	98	84	41	33	36	30
4	1530	97	47	52	207	63	94	78	64	27	32	26
5	2790	65	46	47	143	64	90	74	53	26	28	27
6	440	64	47	95	127	876	97	118	42	28	27	23
7	109	505	72	289	120	1570	91	269	41	27	28	20
8	69	859	56	113	115	529	83	105	108	32	46	19
9	55	134	159	79	112	157	80	85	224	33	30	33
10	48	96	82	72	101	128	76	74	95	28	26	51
11	42	388	62	67	98	113	75	84	71	25	26	27
12	39	484	58	90	90	105	74	79	89	24	34	24
13	38	126	55	72	85	99	76	66	114	25	29	21
14	283	97	53	63	86	93	87	63	90	27	25	19
15	137	80	51	58	83	146	78	62	57	33	23	18
16	64	71	50	55	80	178	73	62	49	31	22	66
17	50	66	48	53	76	130	69	58	47	39	25	119
18	44	63	55	74	76	114	69	55	43	35	22	33
19	41	60	293	472	74	539	75	52	43	26	22	27
20	42	57	117	134	121	187	155	50	41	23	21	24
21	42	56	77	93	92	133	314	49	40	38	20	42
22	36	53	66	78	81	115	124	47	37	60	18	55
23	35	52	61	71	78	104	101	45	35	30	18	27
24	35	58	55	153	75	99	91	45	34	26	18	24
25	35	54	52	97	71	115	81	64	33	48	20	23
26	33	52	49	113	71	108	124	47	32	41	142	22
27	40	50	48	1920	71	106	91	47	32	30	62	24
28	71	52	46	391	88	169	76	90	32	35	37	84
29	40	71	45	152	74	128	100	58	30	33	29	66
30	36	54	44	131	---	112	266	48	30	54	26	34
31	39	---	48	224	---	124	---	44	---	38	25	---
TOTAL	6330	4287	2087	5522	4862	6608	3155	2306	1730	1012	997	1060
MEAN	204	143	67.3	178	168	213	105	74.4	57.7	32.6	32.2	35.3
MAX	2790	859	293	1920	1500	1570	314	269	224	60	142	119
MIN	19	48	44	47	71	63	69	44	30	23	18	18
CFSM	4.36	3.05	1.44	3.81	3.58	4.55	2.25	1.59	1.23	.70	.69	.75
IN.	5.03	3.41	1.66	4.39	3.86	5.25	2.51	1.83	1.38	.80	.79	.84

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	61.3	68.9	65.0	93.4	112	115	69.6	52.8	42.5	44.8	39.1	36.4
MAX	204	196	175	178	215	233	105	124	98.7	130	96.8	81.2
(WY)	1996	1993	1993	1996	1995	1990	1996	1991	1989	1989	1994	1989
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1985 - 1996

ANNUAL TOTAL	31680.9		39956			66.5	
ANNUAL MEAN	86.8		109			109	1996
HIGHEST ANNUAL MEAN						30.0	1988
LOWEST ANNUAL MEAN						2790	Oct 5 1995
HIGHEST DAILY MEAN	2790	Oct 5	2790	Oct 5		1.0	Jul 20 1988
LOWEST DAILY MEAN	8.6	Aug 19	18	Aug22-24, Sep15		1.3	Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	9.7	Aug 13	20	Aug 19		4350	Oct 5 1995
INSTANTANEOUS PEAK FLOW			4350	Oct 5		12.04	Oct 5 1995
INSTANTANEOUS PEAK STAGE			12.04	Oct 5		.80	Jul 21 1988
INSTANTANEOUS LOW FLOW			17	Aug 23,24		1.42	
ANNUAL RUNOFF (CFSM)	1.85		2.33			19.32	
ANNUAL RUNOFF (INCHES)	25.18		31.76			116	
10 PERCENT EXCEEDS	135		144			41	
50 PERCENT EXCEEDS	48		61			15	
90 PERCENT EXCEEDS	17		26				

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi upstream from John Creek, 4.5 mi north of Norcross, 6.5 mi downstream from Suwanee Creek, 18 mi downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.--1,170 mi², approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for October to December 1902, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft downstream at same datum. July 14, 1955 to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversion and return flow above station regulated by Gwinnett County. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--84 years (1903-46, 1957-96), 2,291 ft³/s, 26.60 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

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	851	1130	2290	1130	7860	3380	1160	4510	1310	2330	2600	1150
2	1790	1890	1050	1520	5400	2470	1970	4140	857	2840	2570	1310
3	2290	2560	1320	965	5300	827	1950	6380	3110	2870	1340	2360
4	5260	925	1240	2100	6600	2110	1920	2350	2290	2860	1230	2580
5	6880	816	1480	1500	8410	2940	2780	2610	3510	2010	2890	2560
6	3250	1590	1450	937	8210	5580	915	4450	3620	1060	3650	2560
7	1540	3830	2010	1430	8190	4940	856	4340	3630	1060	3680	1220
8	828	3490	1840	1980	8220	4800	2550	4090	1460	3040	3760	1150
9	899	2780	1960	1610	8650	8880	2670	4060	1290	3690	3670	2090
10	1510	1430	956	1580	8670	8630	2650	4080	3130	3680	1640	2380
11	1500	2440	1790	1560	8670	8660	2660	2270	3720	3470	1160	2200
12	1690	1580	1520	2780	8650	8600	2670	905	3690	3460	3170	2200
13	1490	1650	1510	2070	8640	8640	1400	2230	3890	1380	3680	2190
14	1420	1110	1500	885	8660	8580	821	2850	3760	1150	3660	1130
15	1010	1560	1500	2930	8670	7060	2190	2590	1670	2480	3530	857
16	1620	1540	808	3830	8670	5020	3020	2590	805	2890	3640	2130
17	2290	1520	1070	3840	8700	1480	3580	2570	1730	2900	1630	2630
18	2310	1330	1490	3980	8640	4430	3750	1130	2160	2930	1090	2430
19	2290	825	2200	5650	7320	4650	3600	1450	2170	2880	2350	2590
20	2290	1760	1720	2770	4970	7040	2200	2890	2150	1350	2920	2380
21	1750	2610	1610	1230	6730	7150	1530	3640	2370	1090	2920	1230
22	1420	2600	1550	2480	6710	6840	2780	4170	1620	1740	2930	1060
23	984	2610	832	4250	6730	1620	4190	3640	957	1760	2930	1470
24	1480	2610	857	4150	3560	867	4040	3680	2020	1760	1560	1800
25	1460	1620	2860	4100	3030	2340	4020	1930	2730	1770	1150	1800
26	1460	1060	5220	3980	3020	4550	4340	1140	2740	1780	1890	2110
27	1490	2240	4630	6990	3400	3110	2480	3640	2500	1060	2480	1900
28	1380	2320	4620	6550	3400	1570	3200	2460	2490	1150	2140	1430
29	781	2400	4620	7960	3420	6370	3250	2220	1310	1610	2210	930
30	1110	2310	2190	8280	---	2130	3090	2190	864	2320	2190	1520
31	1480	---	854	7480	---	955	---	2160	---	2550	1150	---
TOTAL	57803	58136	60547	102497	197100	146219	78232	93355	69553	68920	77410	55347
MEAN	1865	1938	1953	3306	6797	4717	2608	3011	2318	2223	2497	1845
MAX	6880	3830	5220	8280	8700	8880	4340	6380	3890	3690	3760	2630
MIN	781	816	808	885	3020	827	821	905	805	1060	1090	857

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2079	2001	1788	2202	2342	2586	3043	2511	2104	2112	2487	2290
MAX	4196	4433	5778	6802	6797	6053	8042	7509	5476	3427	3875	4423
(WY)	1992	1975	1993	1993	1996	1990	1964	1964	1973	1963	1994	1967
MIN	502	698	558	529	709	647	608	696	569	598	501	523
a(WY)	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1957 - 1996	
ANNUAL TOTAL	863412		1065119			
ANNUAL MEAN	2366		2910		2294	
HIGHEST ANNUAL MEAN	†2378		†2984		3431	
LOWEST ANNUAL MEAN					1001	
HIGHEST DAILY MEAN	8190		8880		11200	
LOWEST DAILY MEAN	692		781		351	
ANNUAL SEVEN-DAY MINIMUM	970		1260		416	
INSTANTANEOUS PEAK FLOW			9750		13200	
INSTANTANEOUS PEAK STAGE			10.87		13.10	
ANNUAL RUNOFF (CFSM)	2.02		2.49		1.96	
ANNUAL RUNOFF (INCHES)	27.45		33.87		26.64	
10 PERCENT EXCEEDS	4620		6430		4610	
50 PERCENT EXCEEDS	1960		2320		1740	
90 PERCENT EXCEEDS	916		1070		749	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1946, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1420	1450	2488	2926	3290	3486	3031	2454	1934	1966	1715	1366
MAX	4673	4862	9603	7709	6773	9062	8683	4744	4459	7219	4523	4550
(WY)	1907	1930	1933	1936	1921	1929	1936	1929	1903	1916	1906	1906
MIN	446	653	931	1138	1174	1276	1370	898	732	798	346	295
(WY)	1942	1942	1940	1914	1941	1914	1941	1941	1941	1914	1925	1925

SUMMARY STATISTICS WATER YEARS 1903 - 1946

ANNUAL MEAN	2265
HIGHEST ANNUAL MEAN	3517
LOWEST ANNUAL MEAN	1120
HIGHEST DAILY MEAN	52000
LOWEST DAILY MEAN	132
ANNUAL SEVEN-DAY MINIMUM	217
INSTANTANEOUS PEAK FLOW	b55000
INSTANTANEOUS PEAK STAGE	27.70
INSTANTANEOUS LOW FLOW	c132
ANNUAL RUNOFF (CFSM)	1.94
ANNUAL RUNOFF (INCHES)	26.31
10 PERCENT EXCEEDS	4020
50 PERCENT EXCEEDS	1680
90 PERCENT EXCEEDS	860

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 36,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c Observed.

APALACHICOLA RIVER BASIN

02335078 JOHNS CREEK AT BUICE RD NEAR WARSAW, GA.

LOCATION.--Lat 34°00'58", long 84°12'40", Fulton County, Hydrologic Unit 03130001, at downstream end of right bank pier, at Buice Rd 0.5 mi west of Warsaw, 1.18 mi from mouth and 4 mi west-northwest of Duluth.

DRAINAGE AREA.--11.6 mi².

PERIOD OF RECORD.--April 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is about 875 ft above sea level (from topographic map).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	--	--	e7.7	30	34	25	1.1	8.5
2	--	--	--	--	--	--	e7.5	35	22	10	1.5	7.8
3	--	--	--	--	--	--	e7.2	14	11	7.9	1.8	6.8
4	--	--	--	--	--	--	e7.5	18	8.0	6.8	2.7	6.2
5	--	--	--	--	--	--	e7.5	16	8.4	6.1	1.3	6.1
6	--	--	--	--	--	--	e7.3	13	10	5.4	1.2	5.7
7	--	--	--	--	--	--	e7.1	12	6.9	5.1	4.1	5.5
8	--	--	--	--	--	--	e7.0	12	6.5	5.1	4.6	5.8
9	--	--	--	--	--	--	e6.8	12	5.4	4.2	3.1	6.5
10	--	--	--	--	--	--	e6.5	11	5.1	4.3	2.7	6.3
11	--	--	--	--	--	--	e15	10	6.2	6.1	3.4	6.2
12	--	--	--	--	--	--	e12	9.1	40	3.7	2.4	7.9
13	--	--	--	--	--	--	e10	8.1	8.5	2.9	2.0	9.4
14	--	--	--	--	--	--	9.7	16	6.2	2.5	1.9	66
15	--	--	--	--	--	--	9.1	14	5.5	2.3	1.8	17
16	--	--	--	--	--	--	8.9	11	5.1	2.0	1.7	9.5
17	--	--	--	--	--	--	8.3	10	4.8	2.0	1.9	16
18	--	--	--	--	--	--	8.3	9.1	4.7	1.9	1.5	8.6
19	--	--	--	--	--	--	49	9.8	9.1	1.7	1.7	7.4
20	--	--	--	--	--	--	16	7.5	7.4	1.7	2.8	7.0
21	--	--	--	--	--	--	80	7.4	6.4	3.5	19	7.2
22	--	--	--	--	--	--	21	8.0	5.8	2.4	10	7.0
23	--	--	--	--	--	--	20	7.1	5.4	2.2	5.2	13
24	--	--	--	--	--	--	16	7.2	5.7	2.1	4.2	10
25	--	--	--	--	--	--	13	7.2	23	1.9	7.2	8.1
26	--	--	--	--	--	--	12	6.9	14	1.9	169	7.7
27	--	--	--	--	--	--	13	7.4	8.1	2.8	59	7.2
28	--	--	--	--	--	--	12	9.4	6.4	2.0	33	6.8
29	--	--	--	--	--	--	12	6.5	8.6	2.0	14	6.5
30	--	--	--	--	--	--	12	6.0	48	2.2	11	6.0
31	--	--	--	--	--	--	--	5.7	--	1.7	9.6	--
TOTAL	--	--	--	--	--	--	429.4	356.4	346.2	131.4	386.4	299.7
MEAN	--	--	--	--	--	--	14.3	11.5	11.5	4.24	12.5	9.99
MAX	--	--	--	--	--	--	80	35	48	25	169	66
MIN	--	--	--	--	--	--	6.5	5.7	4.7	1.7	1.1	5.5
CFSM	--	--	--	--	--	--	1.23	.99	.99	.37	1.07	.86
IN.	--	--	--	--	--	--	1.38	1.14	1.11	.42	1.24	.96

e Estimated

APALACHICOLA RIVER BASIN

02335078 JOHNS CREEK AT BUICE RD NEAR WARSAW, GA.--Continued

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	6.1	12	14	19	27	14	27	19	6.2	e7.5	e11	2.9
2	6.1	60	14	18	607	14	22	16	6.0	e7.1	e10	4.4
3	28	26	13	15	98	13	21	15	5.8	e6.5	e9.0	4.8
4	759	18	14	14	34	13	20	13	11	e6.2	e8.8	5.4
5	418	15	14	13	26	13	19	14	7.0	e6.0	e8.5	4.0
6	34	26	14	42	24	392	20	15	6.1	e5.8	9.0	3.8
7	23	326	20	52	22	404	18	14	5.6	e5.5	7.4	3.6
8	18	49	15	25	21	40	18	12	7.6	e5.0	e10	2.5
9	14	31	48	21	21	29	17	12	66	e4.8	e7.0	9.1
10	11	25	21	19	19	24	16	11	14	e4.5	5.9	7.8
11	11	182	17	20	19	22	16	13	11	e4.0	7.5	5.5
12	11	38	16	25	18	20	16	11	12	e3.5	e15	3.8
13	10	29	15	18	18	17	19	10	23	e4.0	e10	2.6
14	24	27	14	17	17	17	19	9.9	12	e5.0	e7.5	2.6
15	14	23	14	16	16	43	17	9.7	9.5	e6.0	6.9	2.8
16	10	21	14	15	16	33	15	9.5	8.9	e6.8	6.8	58
17	8.7	19	13	15	15	26	14	9.0	8.8	e6.0	6.6	36
18	8.0	18	27	47	15	22	13	8.5	8.6	e5.5	e6.5	9.8
19	8.1	17	81	117	15	84	13	8.3	11	e5.4	e6.8	7.3
20	9.0	16	25	28	28	25	78	8.3	8.8	e5.5	e7.0	6.5
21	7.9	16	21	25	18	21	34	8.1	8.3	e7.5	e6.8	35
22	7.2	15	18	22	17	20	20	7.6	8.0	e7.5	e6.5	22
23	7.1	15	16	21	16	19	19	7.1	7.9	e6.8	e6.3	10
24	7.3	15	15	48	15	18	17	6.5	7.9	e6.5	6.0	8.3
25	7.2	14	15	24	15	24	16	8.0	8.0	e7.0	6.0	7.1
26	6.9	14	14	160	14	19	25	7.3	8.1	e7.5	3.9	6.5
27	15	14	14	570	14	24	16	7.5	8.2	e7.6	3.4	11
28	17	18	13	38	20	54	15	17	8.1	e7.8	3.5	54
29	9.5	23	13	27	15	27	45	8.3	7.8	e8.0	5.1	21
30	8.4	15	13	26	---	24	38	7.2	7.9	e8.0	3.7	11
31	11	---	14	62	---	24	---	7.1	---	e9.5	2.6	---
TOTAL	1535.5	1137	589	1579	1220	1539	663	329.9	329.1	194.3	221.0	369.1
MEAN	49.5	37.9	19.0	50.9	42.1	49.6	22.1	10.6	11.0	6.27	7.13	12.3
MAX	759	326	81	570	607	404	78	19	66	9.5	15	58
MIN	6.1	12	13	13	14	13	13	6.5	5.6	3.5	2.6	2.5
CFSM	4.27	3.27	1.64	4.39	3.63	4.28	1.91	.92	.95	.54	.61	1.06
IN.	4.92	3.65	1.89	5.06	3.91	4.94	2.13	1.06	1.06	.62	.71	1.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.5	37.9	19.0	50.9	42.1	49.6	18.2	11.1	11.3	5.25	9.80	11.1
MAX	49.5	37.9	19.0	50.9	42.1	49.6	22.1	11.5	11.5	6.27	12.5	12.3
(WY)	1996	1996	1996	1996	1996	1996	1996	1995	1995	1996	1995	1996
MIN	49.5	37.9	19.0	50.9	42.1	49.6	14.3	10.6	11.0	4.24	7.13	9.99
(WY)	1996	1996	1996	1996	1996	1996	1995	1996	1996	1995	1996	1995

SUMMARY STATISTICS	FOR THE PERIOD APRIL TO SEP 1995				FOR 1996 WATER YEAR				WATER YEARS 1995 - 1996			
ANNUAL TOTAL					9705.9							
ANNUAL MEAN					26.5				26.5			
HIGHEST ANNUAL MEAN									26.5			
LOWEST ANNUAL MEAN									26.5			
HIGHEST DAILY MEAN	169				759				759			
LOWEST DAILY MEAN	1.1				2.5				1.1			
ANNUAL SEVEN-DAY MINIMUM					3.6				1.6			
INSTANTANEOUS PEAK FLOW	a622				a1740				a1740			
INSTANTANEOUS PEAK STAGE	7.61				11.17				11.17			
INSTANTANEOUS LOW FLOW	.80				1.7				.80			
ANNUAL RUNOFF (CFSM)					2.29				2.29			
ANNUAL RUNOFF (INCHES)					31.13				31.06			
10 PERCENT EXCEEDS					34				28			
50 PERCENT EXCEEDS					14				10			
90 PERCENT EXCEEDS					6.0				4.0			

a From rating curve extended above 240 ft³/s
e Estimated

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 mi upstream from Big Creek, and 2.2 mi upstream from State Highway 400, 3.6 mi southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.--1,220 mi², approximately.

PERIOD OF RECORD.--October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 858.01 ft above sea level. Prior to July 7, 1976, at site 1.8 mi downstream at datum 8.51 ft lower.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.--38 years (water years 1942-59, 1977-96), 2,128 ft³/s, 23.69 in/yr, unadjusted.

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	591	1000	2120	1140	7860	3280	1060	4450	1570	1720	2530	662
2	1210	1870	907	1360	7480	3100	1930	4240	492	2700	2470	1200
3	2250	2480	1350	894	5430	720	1890	5900	2110	2720	1910	1990
4	7850	971	1010	2010	6340	1640	1850	3320	2160	2650	873	2430
5	8810	730	1320	1380	8510	2780	2680	1540	2860	2130	2290	2390
6	3270	1080	1340	955	8150	6900	965	4380	3180	1360	3560	2400
7	2060	4370	1970	1550	8110	6320	795	4310	3190	574	3640	1710
8	765	3950	1410	1900	8170	4300	2180	3850	1860	2460	3660	641
9	692	2970	2400	1500	8630	9000	2550	3640	1230	3550	3520	1780
10	1380	1130	888	1470	8650	8720	2560	3640	2220	3520	2420	2230
11	1360	3030	1670	1450	8650	8760	2560	2860	3280	3330	696	2060
12	1370	1780	1480	2180	8660	8710	2580	609	3260	3290	2400	2030
13	1390	1530	1380	2480	8660	8750	1590	1340	3590	2040	3510	2010
14	1640	907	1380	722	8710	8670	752	2620	3360	699	3510	1530
15	1110	1420	1370	2270	8750	7790	1770	2230	2180	2000	3500	523
16	1080	1430	760	3580	8780	5700	2900	2220	515	2750	3480	1850
17	2100	1400	846	3590	8790	1370	3210	2190	942	2820	2340	2990
18	2110	1400	1370	3780	8750	4400	3600	1360	1810	2810	639	2180
19	2090	711	2480	5650	7640	4500	3470	710	1870	2730	1800	2450
20	2100	1270	1740	3520	4760	6710	2690	2050	1830	1950	2760	2340
21	2090	2450	1440	1110	6700	7150	1880	3170	1940	628	2750	1720
22	1100	2400	1430	1750	6690	7130	2220	3620	1840	1550	2850	1010
23	869	2410	761	4030	6710	2370	4030	3240	683	1640	2800	1030
24	1470	2450	640	4130	4430	785	3820	3220	1380	1630	2210	1640
25	1390	1840	2090	4160	2430	1770	3640	2470	2590	1640	689	1630
26	1300	833	4730	3630	2890	4300	4320	546	2640	1630	1470	1850
27	1350	2030	4390	9280	3280	3530	3200	2790	2380	1390	2440	1870
28	1480	2180	4370	5940	3370	1470	2850	2430	2350	700	1950	1990
29	646	2430	4340	7910	3320	5700	3000	1870	1820	1320	2040	1110
30	979	2130	2940	8260	---	3090	3090	1840	552	1970	2030	999
31	1370	---	707	7790	---	966	---	1800	---	2420	1520	---
TOTAL	59272	56582	57029	101371	199300	150381	75632	84455	61684	64321	74257	52245
MEAN	1912	1886	1840	3270	6872	4851	2521	2724	2056	2075	2395	1741
MAX	8810	4370	4730	9280	8790	9000	4320	5900	3590	3550	3660	2990
MIN	591	711	640	722	2430	720	752	546	492	574	639	523

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1818	1623	1709	2051	2265	2304	2613	2067	1682	1896	2261	2040
MAX	4239	2659	5797	6797	6872	6114	6784	4778	2611	2688	3844	3742
(WY)	1992	1990	1993	1993	1996	1990	1980	1984	1959	1992	1994	1991
MIN	443	652	552	534	686	727	673	704	467	474	425	483
(WY)a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1956 - 1996	
ANNUAL TOTAL	853826		1036529		2011	
ANNUAL MEAN	2339		2832		3485	
HIGHEST ANNUAL MEAN	†2351		†2906		948	
LOWEST ANNUAL MEAN					10900	
HIGHEST DAILY MEAN	8810		9280		315	
LOWEST DAILY MEAN	483		492		390	
ANNUAL SEVEN-DAY MINIMUM	874		1160		14500	
INSTANTANEOUS PEAK FLOW			13500		9.89	
INSTANTANEOUS PEAK STAGE			9.54		Mar 17 1990	
ANNUAL RUNOFF (CFSM)	1.92		2.32		1.65	
ANNUAL RUNOFF (INCHES)	26.03		31.61		22.39	
10 PERCENT EXCEEDS	4800		6690		4020	
50 PERCENT EXCEEDS	1960		2180		1440	
90 PERCENT EXCEEDS	781		883		640	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1108	1570	2227	3305	3592	3977	3068	2459	1949	1837	1557	1372
MAX	2173	5164	4274	7998	6742	8549	4321	4135	3559	3974	3166	3941
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	421	662	1269	1375	1659	1961	1981	1818	1273	1036	783	502
(WY)	1955	1942	1945	1942	1951	1955	1942	1947	1955	1954	1951	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2329	
HIGHEST ANNUAL MEAN	3859	1949
LOWEST ANNUAL MEAN	1508	1955
HIGHEST DAILY MEAN	50200	Jan 8 1946
LOWEST DAILY MEAN	328	Oct 12 1954
ANNUAL SEVEN-DAY MINIMUM	383	Oct 7 1954
INSTANTANEOUS PEAK FLOW	b56000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	c23.40	Jan 8 1946
INSTANTANEOUS LOW FLOW	d322	Oct 12 1954
ANNUAL RUNOFF (CFSM)	1.91	
ANNUAL RUNOFF (INCHES)	25.94	
10 PERCENT EXCEEDS	4000	
50 PERCENT EXCEEDS	1760	
90 PERCENT EXCEEDS	876	

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 30,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c From floodmarks at site and datum then in use.

d Gage height, 1.44 ft

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of bridge on Kimball Bridge Road, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--72 mi², approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft above sea level (levels by U.S. Soil Conservation Service).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1200	2,070	10.07	Feb. 3	0945	2,270	10.28
Nov. 8	2000	1,600	9.49	Mar. 7	1200	2,930	10.91
Jan. 28	0045	*3,140	*11.09				

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	23	54	66	87	227	101	196	169	58	29	72	25
2	23	252	64	90	850	99	154	134	57	29	51	26
3	47	278	63	90	2050	94	140	118	56	28	35	32
4	760	138	62	73	826	90	133	107	54	25	31	29
5	1910	98	64	69	230	91	127	102	50	25	32	27
6	1380	94	69	157	170	730	131	99	47	28	32	26
7	279	624	92	437	159	2420	125	115	45	27	30	23
8	127	1220	74	185	153	1980	118	101	44	28	119	22
9	87	741	240	123	152	438	116	92	245	34	48	84
10	68	157	120	110	134	200	112	87	150	29	34	59
11	60	450	89	104	131	163	110	117	120	26	41	36
12	53	510	82	138	119	149	109	123	108	24	135	41
13	51	183	78	110	111	139	119	90	127	28	99	30
14	106	131	74	97	112	132	137	84	103	39	45	24
15	107	108	73	90	111	203	118	82	76	51	36	22
16	63	96	74	86	105	277	111	83	66	59	32	111
17	49	88	77	82	101	210	103	79	64	41	29	203
18	43	83	83	117	103	164	102	74	58	34	29	64
19	41	80	469	523	101	564	121	71	54	28	29	40
20	42	76	191	218	192	344	237	67	66	27	34	34
21	43	73	117	133	142	193	613	63	49	53	28	73
22	38	68	99	112	121	159	294	60	43	50	25	110
23	37	68	89	102	114	144	163	57	41	33	24	49
24	37	67	82	222	107	134	143	55	38	28	59	38
25	37	66	76	150	101	160	125	64	38	30	54	33
26	35	65	73	206	99	152	167	60	36	33	35	30
27	62	64	71	2030	99	146	148	82	34	34	32	34
28	136	69	69	1950	130	345	115	202	33	34	31	125
29	58	97	66	336	114	276	159	109	32	32	40	127
30	45	71	66	205	---	181	409	78	31	29	31	65
31	46	---	70	403	---	179	---	68	---	47	27	---
TOTAL	5893	6169	3082	8835	7164	10657	4955	2892	2023	1042	1379	1642
MEAN	190	206	99.4	285	247	344	165	93.3	67.4	33.6	44.5	54.7
MAX	1910	1220	469	2030	2050	2420	613	202	245	59	135	203
MIN	23	54	62	69	99	90	102	55	31	24	24	22
CFSM	2.64	2.86	1.38	3.96	3.43	4.77	2.29	1.30	.94	.47	.62	.76
IN.	3.04	3.19	1.59	4.56	3.70	5.51	2.56	1.49	1.05	.54	.71	.85

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	66.1	81.3	125	174	188	215	162	112	78.0	60.6	59.6	47.3
MAX	231	241	495	453	502	512	415	230	169	171	166	117
(WY)	1990	1993	1984	1993	1961	1980	1979	1973	1967	1967	1967	1988
MIN	13.8	19.2	33.1	40.1	54.4	60.0	37.2	31.3	10.5	10.5	12.3	12.9
(WY)	1982	1982	1989	1981	1986	1988	1986	1988	1988	1986	1986	1981

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1960 - 1996	
ANNUAL TOTAL	43640		55733		114	
ANNUAL MEAN	120		152		168	
HIGHEST ANNUAL MEAN					45.5	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	2160	Feb 17	2420	Mar 7	4480	Feb 3 1982
LOWEST DAILY MEAN	11	Aug 19	22	Sep 8	1.7	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	12	Aug 13	26	Sep 2	2.3	Jul 15 1988
INSTANTANEOUS PEAK FLOW			3140	Jan 28	6100	Feb 3 1982
INSTANTANEOUS PEAK STAGE			11.09	Jan 28	13.05	Feb 3 1982
ANNUAL RUNOFF (CFSM)	1.66		2.11		1.58	
ANNUAL RUNOFF (INCHES)	22.55		28.80		21.52	
10 PERCENT EXCEEDS	196		232		200	
50 PERCENT EXCEEDS	68		84		70	
90 PERCENT EXCEEDS	18		30		26	

APALACHICOLA RIVER BASIN

02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM AT SANDY SPRINGS, GA.

LOCATION.--Lat 33°58'06", long 84°22'58", Fulton County, Hydrologic Unit 03130001, on upstream side of Morgan Falls Dam 3.9 mi upstream from mouth of Sope Creek at river mile 312.6.

DRAINAGE AREA.--1,370 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

REVISED RECORDS.--WDR GA-90-1: 1988-89.

GAGE.--Water-stage recorder. Datum of gage is 843.5 ft above sea level (leveling by Global Positioning System equipment); gage readings have been reduced to elevations above sea level.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola Basin", station 02334400).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 854.06 ft, Feb. 16, 1995; minimum elevation, 845.08 ft, Nov. 9, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 853.91 ft, Oct. 5; minimum elevation, 846.75 ft, Aug. 14.

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	852.38	852.39	852.94	852.83	852.70	851.60	853.26	851.07	852.78	850.67	852.19	852.20
2	850.81	852.96	853.19	852.98	852.84	852.64	852.76	851.42	852.34	852.29	851.98	852.79
3	851.98	853.10	853.19	853.28	852.90	853.08	852.50	851.83	851.32	852.20	852.93	852.49
4	852.57	853.40	853.06	853.24	852.62	852.46	852.36	853.04	852.22	851.90	852.22	852.26
5	852.94	852.95	852.83	853.28	852.86	852.11	852.62	852.49	851.76	852.38	851.81	852.23
6	852.58	852.42	852.80	853.35	852.72	852.48	852.64	851.68	851.97	853.09	851.88	852.19
7	853.13	852.89	852.89	853.29	852.65	852.80	851.79	851.40	851.93	851.75	851.86	853.17
8	853.27	853.09	853.05	853.23	852.69	852.52	852.09	851.08	853.21	851.05	851.96	852.31
9	852.47	852.89	853.28	853.28	852.78	852.78	853.26	851.21	853.00	851.79	851.79	852.51
10	852.52	852.96	853.31	853.33	852.83	852.41	852.73	851.27	851.82	851.98	852.96	852.50
11	852.88	853.10	853.08	853.27	852.94	852.47	852.88	852.71	851.88	851.91	852.37	852.17
12	852.83	853.26	853.33	852.06	852.63	852.54	852.94	852.48	851.90	851.82	851.84	852.14
13	852.88	853.22	853.22	852.89	852.62	852.49	853.29	851.51	852.45	853.20	851.54	852.17
14	853.27	853.17	853.24	852.92	852.67	852.48	852.91	852.41	851.88	852.18	851.54	852.98
15	853.36	852.93	853.23	852.09	852.64	852.64	851.70	852.07	853.19	851.81	851.95	852.27
16	852.41	852.81	853.12	852.12	852.62	852.83	852.45	852.08	852.67	852.17	851.95	851.55
17	851.73	852.68	852.09	852.51	852.70	851.75	852.60	852.15	851.61	852.25	853.12	852.31
18	851.59	853.13	852.38	852.67	852.69	852.36	852.47	853.00	851.86	852.32	852.45	851.95
19	851.68	852.93	852.98	853.09	852.78	852.51	852.20	851.52	851.78	852.19	852.10	851.83
20	851.62	852.00	853.25	853.28	851.23	852.71	853.23	852.14	852.07	853.10	851.92	851.72
21	852.64	852.72	853.23	852.96	852.48	852.55	853.26	851.99	851.85	852.37	851.94	852.35
22	852.68	852.62	853.32	852.92	852.36	852.45	852.70	851.92	852.92	852.42	852.17	853.35
23	853.11	852.72	853.17	853.04	852.22	853.40	851.94	852.02	853.14	852.48	851.90	852.49
24	852.81	852.70	852.01	852.89	852.82	852.84	851.82	851.84	851.93	852.45	852.99	852.24
25	852.91	853.14	851.25	852.93	852.04	852.25	851.91	853.05	851.82	852.34	852.96	852.36
26	852.78	852.80	852.48	852.22	852.03	852.60	851.42	852.25	852.09	852.26	852.42	852.31
27	852.88	852.77	852.05	853.18	851.97	852.72	852.52	851.73	851.98	852.78	852.08	852.58
28	853.13	853.03	852.00	852.66	851.50	852.99	851.79	852.41	851.72	851.83	852.21	852.91
29	852.89	853.15	851.84	852.74	851.59	852.52	851.43	852.02	852.83	851.73	852.05	853.19
30	852.44	852.99	853.10	852.53	---	853.24	851.57	851.93	851.99	852.12	852.20	852.45
31	852.82	---	852.84	852.58	---	853.23	---	851.83	---	852.16	852.96	---
MEAN	852.58	852.90	852.83	852.89	852.49	852.60	852.43	851.99	852.20	852.16	852.20	852.40
MAX	853.36	853.40	853.33	853.35	852.94	853.40	853.29	853.05	853.21	853.20	853.12	853.35
MIN	850.81	852.00	851.25	852.06	851.23	851.60	851.42	851.07	851.32	850.67	851.54	851.55
CAL YR 1995	MEAN 852.52		MAX 853.53		MIN 850.47							
WTR YR 1996	MEAN 852.47		MAX 853.40		MIN 850.67							

APALACHICOLA RIVER BASIN

02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD NEAR ATLANTA, GA.

LOCATION.--Lat 35°56'36", long 84°24'17", Fulton-Cobb County line, Hydrologic Unit 03130001, on the downstream end of bridge on Johnson Ferry Road, 2.1 mi downstream from Morgan Falls Dam, 2.0 mi upstream from Sope Creek, 13.5 mi north of the Georgia State Capitol, and at mile 310.5.

DRAINAGE AREA.--1,380 mi².

PERIOD OF RECORD.--October 1994 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 807.78 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions above station by Gwinnett, Dekalb, Fulton and Cobb Counties and City of Roswell; return flows above station by Gwinnett and Fulton Counties. Considerable diurnal fluctuations caused by Morgan Falls hydroelectric plant 2.1 mi above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1050	1450	3340	1010	5130	7810	1060	1370	2690	2660	3060	1130
2	955	1250	3240	1150	4910	6710	931	2720	3020	1070	3030	888
3	1580	994	2690	1890	4960	5000	928	2330	2390	1860	3160	863
4	1510	1030	1160	2160	3440	4210	928	2250	927	3610	3040	901
5	1410	911	1840	2600	1000	3390	1220	2300	1590	3590	2270	2130
6	1150	857	3190	2280	2240	3730	1040	1370	2930	3570	870	1990
7	1270	1830	3380	2280	4940	5120	997	976	3040	3590	1440	1720
8	1030	1670	3220	1020	4850	5840	1090	920	2830	2450	3140	2030
9	1020	1850	3300	1580	4950	8530	951	2100	2970	1080	3270	1480
10	1010	2300	2600	1970	5460	7940	1380	1950	1880	1580	3290	877
11	1610	2420	1470	1930	6180	6780	1630	2110	1150	3480	3170	1510
12	1620	1450	2590	1960	1980	7080	2000	2090	2040	3470	2200	2830
13	2390	888	3060	1970	1970	6930	1540	1360	1810	3460	875	3070
14	2180	916	3140	1240	2160	6360	1350	980	1490	3390	1360	5820
15	1590	956	3160	1170	2090	6560	1080	1450	1440	2300	1940	4960
16	1170	1730	3180	2030	9890	6800	973	2770	1420	1000	3080	3330
17	948	2020	2030	2010	9330	6030	954	2460	1200	1390	3480	1110
18	1460	1890	973	3440	5810	5900	2420	2490	1030	2320	2900	2450
19	1430	1470	1920	3460	6870	3930	2320	2510	1140	2130	1210	4150
20	1320	926	2830	3940	6290	4550	2780	1630	1950	2090	1050	4280
21	1570	1270	3210	2320	5580	4670	3420	919	1560	2320	1280	4190
22	1470	1990	3100	1030	5400	4640	2110	917	1670	1380	2160	4250
23	1050	1990	3010	2280	5440	4760	1110	3010	1440	1120	1990	2980
24	948	1730	2130	4930	5400	5350	1370	3060	1430	1550	2320	825
25	1960	1980	1040	4890	3950	1310	2100	3000	1340	2200	1990	1580
26	3760	1750	1610	4900	1580	957	1990	2000	2900	2150	2980	3090
27	1630	1220	2780	4980	2680	928	1900	896	3590	2280	2300	3000
28	996	3460	3220	4600	6210	1170	1730	924	3210	2290	1680	3010
29	863	4400	3130	1750	---	1160	1300	2230	3440	1480	1550	3040
30	1750	3500	3100	2810	---	1150	993	3240	3550	1100	1360	2070
31	1440	---	2350	4810	---	1160	---	3140	---	1540	1210	---
TOTAL	45140	52098	80993	80390	130690	146455	45595	61472	63067	69500	68655	75554
MEAN	1456	1737	2613	2593	4667	4724	1520	1983	2102	2242	2215	2518
MAX	3760	4400	3380	4980	9890	8530	3420	3240	3590	3610	3480	5820
MIN	863	857	973	1010	1000	928	928	896	927	1000	870	825

SUMMARY STATISTICS

FOR 1995 WATER YEAR

ANNUAL TOTAL	919609	
ANNUAL MEAN	2519	†2269
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	9890	Feb 16
LOWEST DAILY MEAN	825	Sep 24
ANNUAL SEVEN-DAY MINIMUM	1010	Apr 1
INSTANTANEOUS PEAK FLOW	14300	Feb 16
INSTANTANEOUS PEAK STAGE	13.09	Feb 16
ANNUAL RUNOFF (CFSM)	1.83	†1.64
ANNUAL RUNOFF (INCHES)	24.79	†22.33
10 PERCENT EXCEEDS	4920	
50 PERCENT EXCEEDS	2070	
90 PERCENT EXCEEDS	995	

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD NEAR ATLANTA, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	e1300	2320	1140	8610	3520	1670	4750	1520	1280	2920	1040
2	1420	e2500	1450	1320	10600	2740	2500	4460	1210	2690	2890	1230
3	2350	e2800	1380	1320	8900	1150	2230	4550	1830	2920	1840	2040
4	8430	e1600	1410	1950	8140	2000	2190	4120	3380	2860	1160	2790
5	11500	e1600	1500	1650	9240	2720	2440	1720	2790	2420	2180	2620
6	5730	e1500	1640	1520	8810	6480	1660	4570	3670	e1300	3900	2640
7	2960	e6200	1820	2610	8730	8160	1300	4570	3740	1070	3890	1860
8	1110	e6000	1800	2400	8720	5970	1800	4240	2580	1840	3970	1030
9	1100	e3900	2920	1900	9050	8190	2680	4140	2400	3560	3860	1910
10	1390	e2200	1400	1790	9010	7610	3010	4190	2670	3700	2770	2740
11	e1450	e4300	1760	1780	8880	7640	2720	3360	3910	e3400	1170	2550
12	e1550	e2900	1640	2990	8770	7760	2790	1460	3900	e3300	2570	2170
13	e1550	e1800	1680	2590	8740	7920	1860	e1400	4200	e2300	3950	2270
14	e1700	1590	1600	1310	8600	7850	1200	e2500	4280	e1050	3820	1500
15	e1600	1770	1580	2490	8550	8040	1730	3000	2800	e2200	3690	1030
16	e1700	1810	1190	3770	8470	6160	3110	2760	1180	e2800	3770	1790
17	e2100	1590	1100	3820	8420	2640	2990	2710	1580	2990	2730	4150
18	e2200	1310	1240	4040	8260	4030	3810	2000	2240	3080	1120	2540
19	e2150	1140	3570	6280	7400	5540	3600	1260	2360	2950	1880	2620
20	e2150	1510	2290	4430	5510	6310	2980	2150	2400	2070	3110	2700
21	e1700	2560	1700	1550	6360	6830	3040	3780	2290	1100	2950	1550
22	e1100	2640	1710	2310	6440	6660	2520	3960	1770	1660	3030	1450
23	e1250	2700	1210	4150	6500	3530	4330	4080	1090	1810	3210	1720
24	e1550	2660	1130	4770	5560	1360	4260	3730	1700	1770	2180	1770
25	e1500	1920	1840	5020	2850	1890	3780	2970	2570	1910	1040	1810
26	e1450	1130	4280	4220	3480	4360	4670	1280	2760	1810	2010	1850
27	e1550	1900	4710	11800	3510	3910	4070	2500	2720	1280	2410	2170
28	e1800	2280	4270	8590	3730	2560	3140	4040	2530	1170	2330	2230
29	e1050	2710	4370	9290	3610	4660	3210	2650	1660	1530	2230	1460
30	e1100	2410	2960	8770	---	4260	4110	2380	1080	1830	2220	1990
31	e1500	---	1120	8750	---	1350	---	2410	---	2850	1500	---
TOTAL	70850	72230	64590	120320	213450	153800	85400	97690	74810	68500	82300	61220
MEAN	2285	2408	2084	3881	7360	4961	2847	3151	2494	2210	2655	2041
MAX	11500	6200	4710	11800	10600	8190	4670	4750	4280	3700	3970	4150
MIN	1050	1130	1100	1140	2850	1150	1200	1260	1080	1050	1040	1030

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1912	2099	2362	3240	5981	4574	2124	2437	2142	2052	2444	2610
MAX	2285	2408	2641	3881	7360	4961	2847	3151	2494	2210	2655	3184
(WY)	1996	1996	1995	1996	1996	1996	1996	1996	1996	1996	1996	1994
MIN	1539	1789	2084	2600	4552	4188	1401	1722	1790	1894	2234	2041
(WY)	1995	1995	1996	1995	1995	1995	1995	1995	1995	1995	1995	1996

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	900802		1165160									
ANNUAL MEAN	2468	†2480	3183	†3257						2793	†2705	
HIGHEST ANNUAL MEAN										3183	1996	
LOWEST ANNUAL MEAN										2401	1995	
HIGHEST DAILY MEAN	11500	Oct 5	11800	Jan 27						11800	Jan 27 1996	
LOWEST DAILY MEAN	911	May 27	1030	Sep 8						911	May 27 1995	
ANNUAL SEVEN-DAY MINIMUM	1020	Apr 1	1390	Oct 26						1020	Apr 1 1995	
INSTANTANEOUS PEAK FLOW			14700	Oct 5						14700	Oct 5 1995	
INSTANTANEOUS PEAK STAGE			14.92	Oct 5						14.92	Oct 5 1995	
ANNUAL RUNOFF (CFSM)	1.79	†1.80	2.31	†2.36						2.02	†1.96	
ANNUAL RUNOFF (INCHES)	24.28	†24.40	31.41	†32.05						27.50	†26.62	
10 PERCENT EXCEEDS	4850		6550							5210		
50 PERCENT EXCEEDS	1960		2540							2230		
90 PERCENT EXCEEDS	1100		1280							1130		

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°57'14", long 84°26'36", Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 mi downstream from Bishop Creek, 6.1 mi east of Marietta, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--29.2 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961.

REVISED RECORDS.--WDR GA-89-1: 1985(P), 1986(M), 1987 (P, daily discharge, and monthly runoff), 1988(P).

GAGE.--Water-stage recorder. Datum of gage is 881.37 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Records good, except those for periods of estimated daily discharge, which are good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0230	3,250	12.05	Mar. 7	0830	3,320	12.16
Nov. 7	1600	2,430	10.74	Mar. 15	1900	933	7.40
Nov. 11	1100	1,010	7.66	Mar. 19	0245	1,690	9.43
Jan. 27	0400	*4,860	*14.32	June 13	1715	1,160	8.12
Feb. 2	1845	2,360	10.62	Sept. 9	1630	1,420	8.83
Mar. 6	1115	2,870	11.47				

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	13	27	21	35	e61	31	122	43	19	14	149	8.7
2	13	167	21	33	e1450	31	50	37	19	14	19	27
3	272	63	21	26	e190	29	43	33	19	13	14	11
4	1390	35	22	23	e78	29	40	31	21	24	13	9.6
5	943	29	22	23	e57	30	37	30	19	13	15	9.7
6	79	69	23	137	e53	967	48	35	17	13	21	8.7
7	e33	869	39	165	50	1100	37	34	17	13	12	8.5
8	e30	128	24	50	48	e120	35	28	19	13	18	8.1
9	e28	65	147	38	43	e58	34	27	190	16	11	213
10	25	48	32	32	40	e49	32	27	34	13	11	41
11	23	314	26	43	39	e41	32	65	36	12	19	25
12	21	73	25	79	35	36	31	31	41	12	157	23
13	22	48	24	34	34	33	33	27	220	15	16	18
14	107	39	23	30	35	32	32	26	64	14	13	17
15	34	32	22	28	34	217	32	25	31	31	12	16
16	25	30	24	27	33	228	30	25	23	15	11	226
17	23	28	22	26	32	102	29	25	21	69	11	133
18	23	27	47	73	32	65	29	24	20	30	17	23
19	22	27	220	112	33	482	29	23	19	13	15	18
20	24	25	45	37	e130	81	138	23	18	12	11	16
21	22	24	34	32	e45	61	105	22	18	14	10	128
22	20	23	30	30	40	49	39	22	17	16	9.9	35
23	20	23	28	29	36	42	36	21	16	12	25	19
24	21	23	27	157	33	39	32	21	16	11	13	17
25	20	23	26	47	31	80	30	21	29	27	11	16
26	20	23	25	393	31	44	82	21	17	12	9.6	15
27	65	23	24	1520	31	56	33	21	15	13	10	27
28	60	23	23	e97	60	155	30	117	15	29	9.6	119
29	24	26	23	e78	35	90	143	26	15	13	9.3	27
30	22	22	23	e61	---	62	137	22	14	12	10	18
31	25	---	25	e150	---	72	---	20	---	30	8.6	---
TOTAL	3469	2376	1138	3645	2849	4511	1560	953	1039	558	691.0	1281.3
MEAN	112	79.2	36.7	118	98.2	146	52.0	30.7	34.6	18.0	22.3	42.7
MAX	1390	869	220	1520	1450	1100	143	117	220	69	157	226
MIN	13	22	21	23	31	29	29	20	14	11	8.6	8.1
CFSM	3.83	2.71	1.26	4.03	3.36	4.98	1.78	1.05	1.19	.62	.76	1.46
IN.	4.42	3.03	1.45	4.64	3.63	5.75	1.99	1.21	1.32	.71	.88	1.63

e Estimated

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	45.0	42.5	42.4	69.6	85.9	80.1	47.3	39.6	39.7	41.6	38.8	35.9
MAX	112	107	101	159	170	201	68.6	98.3	113	113	65.1	111
(WY)	1996	1993	1993	1993	1995	1990	1991	1991	1989	1989	1985	1989
MIN	7.07	17.8	14.6	18.5	23.2	25.1	16.0	14.3	4.65	4.89	13.7	15.2
(WY)	1988	1989	1989	1986	1986	1988	1986	1988	1988	1986	1986	1985

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1985 - 1996	
ANNUAL TOTAL	21208.2		24070.3			
ANNUAL MEAN	58.1		65.8		50.5	
HIGHEST ANNUAL MEAN					70.5	
LOWEST ANNUAL MEAN					21.8	
HIGHEST DAILY MEAN	2530	Feb 16	1520	Jan 27	2530	Feb 16 1995
LOWEST DAILY MEAN	5.5	Aug 16	8.1	Sep 8	.79	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	6.1	Aug 13	9.4	Aug 26	2.0	Jul 7 1988
INSTANTANEOUS PEAK FLOW			4860	Jan 27	6630	Sep 30 1989
INSTANTANEOUS PEAK STAGE			14.32	Jan 27	16.22	Sep 30 1989
INSTANTANEOUS LOW FLOW			7.8	Sep 9	.61	Jul 21 1988
ANNUAL RUNOFF (CFSM)	1.99		2.25		1.73	
ANNUAL RUNOFF (INCHES)	27.02		30.66		23.52	
10 PERCENT EXCEEDS	79		121		90	
50 PERCENT EXCEEDS	25		28		25	
90 PERCENT EXCEEDS	9.6		13		11	

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- March 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 06...	0830	86	80	6.1	19.5	24.0	9.1	103
NOV 07...	1200	1090	45	6.4	13.5	--	8.9	88
07...	1345	2000	40	7.1	14.5	--	9.1	92
DEC 06...	0900	19	89	6.5	11.5	10.5	9.2	86
JAN 16...	1315	28	87	6.8	9.0	17.0	11.6	102
FEB 26...	1430	31	87	6.6	14.5	--	10.0	100
APR 03...	1200	43	86	6.6	11.5	21.0	9.9	93
MAY 07...	0945	31	94	6.6	18.5	22.5	7.9	86
JUN 18...	1100	21	99	6.7	22.0	31.0	7.7	91
JUL 15...	1300	45	84	6.5	24.0	--	7.3	89
18...	0815	23	75	6.5	23.0	--	7.0	83
AUG 27...	0815	9.0	111	6.7	22.0	23.0	7.1	83
SEP 25...	0700	16	109	6.7	17.5	20.0	8.9	96

DATE	TUR- BID- ITY (NTU)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 06...	32	<0.010	0.400	<0.020	0.30	0.40	0.050	0.010	0.020	3.4	1.3
NOV 07...	160	0.010	0.360	0.040	1.2	0.40	0.380	0.040	0.040	5.6	4.9
07...	250	0.010	0.330	0.040	1.4	0.40	0.470	0.040	0.030	5.6	6.2
DEC 06...	3.0	<0.010	0.500	0.030	<0.20	<0.20	<0.010	<0.010	<0.010	1.3	0.50
JAN 16...	3.3	<0.010	0.610	0.030	<0.20	<0.20	<0.010	<0.010	<0.010	1.0	0.40
FEB 26...	--	0.010	0.630	0.020	<0.20	<0.20	<0.010	0.010	<0.010	--	--
APR 03...	5.5	0.020	0.670	0.040	<0.20	<0.20	0.010	<0.010	<0.010	1.2	0.40
MAY 07...	4.5	<0.010	0.630	0.060	0.30	0.20	0.030	<0.010	<0.010	2.7	--
JUN 18...	3.5	0.010	0.540	0.060	<0.20	<0.20	<0.010	<0.010	0.010	1.5	0.30
JUL 15...	26	0.020	0.480	0.130	0.40	0.30	0.040	<0.010	0.020	3.7	1.3
18...	170	0.030	1.30	0.400	2.2	1.0	0.530	0.200	0.200	5.2	4.7
AUG 27...	3.6	<0.010	0.430	0.030	<0.20	<0.20	<0.010	<0.010	<0.010	1.6	0.30
SEP 25...	1.5	<0.010	0.470	0.030	<0.20	<0.20	<0.010	<0.010	<0.010	1.4	<0.10

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	0830	86	19.5	50	12	88
NOV 07...	1200	1090	13.5	672	1980	65
07...	1345	2000	14.5	860	4640	66
DEC 06...	0900	19	11.5	8	0.41	--
JAN 16...	1315	28	9.0	4	0.30	--
FEB 26...	1430	31	14.5	5	0.42	--
APR 03...	1200	43	11.5	9	1.0	--
MAY 07...	0945	31	18.5	13	1.1	--
AUG 27...	0815	9.0	22.0	23	0.56	--
SEP 25...	0700	16	17.5	16	0.69	--

APALACHICOLA RIVER BASIN

02335912 ROTTENWOOD CREEK AT I-285 AT ATLANTA, GA.

LOCATION.--Lat 33°53'30", long 84°27'33", Cobb County, Hydrologic Unit 03130001, on the left bank under the I-285 eastbound on-ramp, 0.2 mi upstream from Akers Mill Road, and 1.1 mi above mouth.

DRAINAGE AREA.--19.5 mi².

PERIOD OF RECORD.--October 1995 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 820 ft above sea level (from topographic map).

REMARKS.--Records good to fair, except those for the period June 2 to September 30, which are fair to poor. Gage-height-only record available for the period October to December 1996 due to construction activities in the channel.

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	8.0	30	11	31	30	18	66	22	12	9.3	110	e7.0
2	8.0	159	11	28	1160	17	25	18	12	9.0	10	e15
3	501	33	11	18	106	16	23	16	13	9.0	7.6	e7.0
4	1530	16	11	14	37	16	22	16	16	8.8	e7.0	e6.5
5	664	13	11	14	28	19	20	15	14	9.3	e8.0	e6.0
6	43	98	14	123	26	973	35	111	12	9.4	e11	e7.0
7	23	515	32	105	24	750	22	32	12	9.7	e8.0	e6.5
8	17	46	18	23	23	50	21	17	20	12	e10	e6.0
9	15	24	136	19	22	30	20	15	173	13	e7.5	e110
10	13	19	16	18	20	26	19	e15	14	8.7	e7.0	22
11	13	320	14	46	19	24	19	e35	28	8.1	e12	9.0
12	11	30	13	47	18	21	19	e16	85	8.3	e85	12
13	15	20	12	19	17	20	20	e15	287	48	e12	8.5
14	114	19	11	17	17	19	20	e14	39	18	e9.0	8.2
15	18	15	12	16	17	140	20	13	16	74	e8.5	7.6
16	12	15	14	16	17	164	19	13	13	13	e8.0	309
17	11	14	13	16	17	60	17	13	13	187	e7.0	91
18	11	13	93	75	16	34	18	12	13	56	e11	16
19	11	13	164	66	20	317	18	12	72	10	e10	9.7
20	14	12	19	20	116	35	149	12	20	48	e8.0	8.6
21	11	11	17	18	22	31	80	12	12	32	e7.5	130
22	11	12	15	18	19	24	22	12	11	9.6	e7.4	30
23	10	11	14	18	18	22	21	12	11	7.2	e15	12
24	10	13	14	107	18	21	18	12	11	7.9	e10	8.0
25	10	11	14	23	17	66	17	13	57	30	e8.0	6.9
26	10	11	13	493	17	25	69	37	17	7.2	e7.0	e6.5
27	79	11	13	1070	17	49	19	27	11	13	e7.5	e15
28	44	18	13	43	57	109	17	151	11	46	e7.0	e65
29	12	18	13	30	19	39	214	18	10	7.7	e7.0	e20
30	11	11	13	38	—	37	86	14	9.5	5.8	e8.0	e11
31	20	—	20	152	—	51	—	13	—	97	e7.0	—
TOTAL	3280.0	1551	795	2741	1954	3223	1155	753	1044.5	832.0	448.0	977.0
MEAN	106	51.7	25.6	88.4	67.4	104	38.5	24.3	34.8	26.8	14.5	32.6
MAX	1530	515	164	1070	1160	973	214	151	287	187	110	309
MIN	8.0	11	11	14	16	16	17	12	9.5	5.8	7.0	6.0
CFSM	5.43	2.65	1.32	4.53	3.46	5.33	1.97	1.25	1.79	1.38	.74	1.67
IN.	6.26	2.96	1.52	5.23	3.73	6.15	2.20	1.44	1.99	1.59	.85	1.86

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	18753.5	
ANNUAL MEAN	51.2	
HIGHEST DAILY MEAN	1530	Oct 4
LOWEST DAILY MEAN	5.8	Jul 30
ANNUAL SEVEN-DAY MINIMUM	7.2	Aug 26
INSTANTANEOUS PEAK FLOW	a4730	Jan 27
INSTANTANEOUS PEAK STAGE	8.89	Jan 27
ANNUAL RUNOFF (CFSM)	2.63	
ANNUAL RUNOFF (INCHES)	35.78	
10 PERCENT EXCEEDS	97	
50 PERCENT EXCEEDS	17	
90 PERCENT EXCEEDS	8.1	

a From rating curve extended above 240 ft³/s.

e Estimated

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20 ft upstream from Paces Ferry Bridge, at Atlanta, 1 mi downstream from Rottenwood Creek, 2.5 mi upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.--1,450 mi², approximately.

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above sea level. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936 to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi above station. Records of chemical analyses for the water years 1974- 79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--63 years (water years 1929-31, 1937-96), 2,568 ft³/s, 24.05 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft in December 1919, from floodmarks at site 2.6 mi downstream and stage relation between the two sites.

**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	1220	1370	2320	1350	8090	3430	1810	4880	1750	1270	3080	1120
2	1420	2550	1690	1380	12600	2870	2480	4420	1290	2630	2820	1320
3	2620	2930	1480	1570	9150	1240	2290	4040	1570	2930	2090	1820
4	11200	1700	1370	1890	7350	1760	2240	5100	3460	2860	1240	2720
5	15100	1240	1590	1750	8860	3000	2360	1490	2530	2600	1990	2520
6	6480	1560	1690	1770	8320	9530	2060	4740	3660	1530	3890	2530
7	3340	6550	1890	2870	8210	11600	1420	4570	3620	1220	3780	2070
8	1270	6270	1850	2370	8130	7480	1730	4220	2960	1640	3870	1110
9	1220	4280	3360	1970	8710	9620	2700	3990	2680	3490	3740	1900
10	1420	2370	1500	1780	8610	8870	3110	4030	2610	3690	3020	2760
11	1610	4550	1670	1860	8650	8820	2800	3500	3890	3610	1260	2480
12	1580	3070	1730	2910	8580	8740	2820	1530	3960	3420	2700	2120
13	1610	2090	1740	2820	8700	8760	2260	1560	4550	2810	3800	2200
14	1830	1670	1680	1340	8690	8680	1370	2610	4520	1250	3650	1670
15	1610	1740	1660	2110	8620	9150	1730	2900	3140	1850	3510	1100
16	1810	1770	1460	3570	8700	7220	3140	2670	1290	2920	3650	2120
17	2200	1660	1250	3630	8690	3230	3070	2630	1540	3110	2950	4530
18	2280	1500	1400	3940	8690	3670	3890	2210	2200	3130	1180	2480
19	2170	1230	3910	6610	7700	6590	3770	1380	2400	2900	1700	2600
20	2260	1450	2470	4560	5990	6740	3510	1890	2430	2360	2960	2580
21	1770	2420	1830	1540	6230	7400	3310	3650	2320	1240	2850	2030
22	1220	2620	1800	1930	6690	7340	2590	3690	2070	1550	2920	1530
23	1340	2630	1490	3700	6720	4320	4390	4080	1240	1840	3210	1690
24	1630	2670	1280	4730	5910	1410	4210	3540	1630	1800	2520	1780
25	1560	2130	1640	4700	2770	1810	3660	3190	2600	1960	1140	1810
26	1590	1220	4250	4420	3300	4270	4810	1370	2770	1840	1750	1830
27	1610	1730	4770	14800	3340	4110	4150	2190	2760	1530	2400	2190
28	1900	2300	4300	8300	3680	2790	3000	4380	2550	1340	2200	2560
29	1200	2660	4400	8940	3520	4480	3320	2630	1970	1520	2180	1670
30	1190	2450	3310	8370	---	5180	4510	2340	1230	1720	2160	1890
31	1540	---	1280	8660	---	1530	---	2340	---	2810	1730	---
TOTAL	80800	74380	68060	122140	213200	175640	88510	97760	77190	70370	81940	62730
MEAN	2606	2479	2195	3940	7352	5666	2950	3154	2573	2270	2643	2091
MAX	15100	6550	4770	14800	12600	11600	4810	5100	4550	3690	3890	4530
MIN	1190	1220	1250	1340	2770	1240	1370	1370	1230	1220	1140	1100

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2182	2169	2107	2634	2851	3164	3427	2792	2325	2279	2552	2342
MAX	4016	4393	6151	7506	7684	7482	8959	7955	5733	3599	4082	4418
(WY)	1992	1975	1993	1993	1990	1990	1964	1964	1973	1963	1984	1967
MIN	525	760	820	794	985	1084	941	955	640	567	426	480
a(WY)	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1956 - 1996	
ANNUAL TOTAL	1009920		1212720			
ANNUAL MEAN	2767		3313		2567	
HIGHEST ANNUAL MEAN	†2779		†3387		3834	
LOWEST ANNUAL MEAN					1135	
HIGHEST DAILY MEAN	15100		15100		20500	
LOWEST DAILY MEAN	1150		1100		296	
ANNUAL SEVEN-DAY MINIMUM	1260		1490		340	
INSTANTANEOUS PEAK FLOW			20800		b28900	
INSTANTANEOUS PEAK STAGE			20.32		c23.03	
ANNUAL RUNOFF (CFSM)	1.91		2.29		1.77	
ANNUAL RUNOFF (INCHES)	25.91		31.11		24.05	
10 PERCENT EXCEEDS	5010		7360		5020	
50 PERCENT EXCEEDS	2180		2580		1930	
90 PERCENT EXCEEDS	1250		1370		1060	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1392	1797	2505	3391	3768	4408	3426	2752	2098	2100	1876	1606
MAX	3423	6185	6804	8630	7602	11390	4960	6336	4601	4402	3643	5416
(WY)	1930	1949	1932	1946	1946	1929	1944	1929	1929	1949	1928	1929
MIN	432	730	1027	1554	1317	1856	1686	1022	859	1111	840	492
(WY)	1955	1942	1940	1942	1941	1941	1941	1941	1941	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1928 - 1955

ANNUAL MEAN	2567
HIGHEST ANNUAL MEAN	4406
LOWEST ANNUAL MEAN	1454
HIGHEST DAILY MEAN	42100
LOWEST DAILY MEAN	340
ANNUAL SEVEN-DAY MINIMUM	390
INSTANTANEOUS PEAK FLOW	59000
INSTANTANEOUS PEAK STAGE	28.00
ANNUAL RUNOFF (CFSM)	1.77
ANNUAL RUNOFF (INCHES)	24.05
10 PERCENT EXCEEDS	4530
50 PERCENT EXCEEDS	1890
90 PERCENT EXCEEDS	901

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b Gage height, 20.57 ft

c Backwater from Peachtree Creek.

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.
DRAINAGE AREA.--86.8 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft above sea level (City of Atlanta benchmark). Prior to May 27, 1963, water-stage recorder at site 1,000 ft downstream at same datum.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 4	2230	*8,010	*19.10	Mar. 6	1100	5,770	16.13
Nov. 11	1130	3,590	12.70	Mar. 7	0900	6,350	16.94
Jan. 27	0345	7,630	18.62	Sept. 17	0200	2,700	11.04
Feb. 2	1845	6,840	17.60	Sept. 28	1530	3,180	11.97

REVISIONS.--An additional peak greater than base discharge was determined after revising daily discharges, September 14 (1215 hours), 3,420 ft³/s, gage height, 12.39 ft; revised daily discharges, in cubic feet per second, and gage height, in feet, in September 1995 are given below. These figures supersede those published in the report for 1995.

Discharge

Sept. 13	100	Sept. 16	121	Sept. 23	217	
Sept. 14	1,860	Sept. 17	421	Sept. 24	123	
	TOTAL	MEAN	MAX	MIN	CFSM	IN
September 1995	3,688	123	1,860	15	1.42	1.58
Water Year 1995	43,156	118	1,860	11	1.36	18.50

Mean September monthly mean for water years 1958-1995, 94.4 ft³/s.

Gage Height

Sept. 13	3.15	Sept. 16	3.62	Sept. 23	3.97
Sept. 14	8.95	Sept. 17	4.94	Sept. 24	3.70
	MEAN	MAX	MIN		
September 1995	3.37	8.95	2.80		
Water Year 1995	3.52	8.95	2.80		

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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	35	126	52	259	200	61	165	121	33	26	167	29
2	34	866	50	231	3590	58	90	86	32	26	50	94
3	300	214	47	132	982	56	81	74	33	25	134	55
4	6500	93	48	67	216	57	78	67	43	23	49	46
5	3490	59	48	59	161	60	75	62	41	22	933	40
6	255	185	68	337	134	2990	200	86	28	23	571	29
7	125	1320	173	645	122	3160	94	143	28	25	174	26
8	87	265	46	139	106	311	76	64	37	57	175	24
9	70	102	425	93	93	186	81	54	569	42	69	34
10	56	78	65	79	87	152	71	50	100	25	58	47
11	51	1430	43	119	85	132	68	77	139	29	127	27
12	46	252	40	249	79	122	68	57	139	23	174	24
13	47	119	36	77	77	108	70	46	316	23	62	22
14	622	92	35	65	76	105	67	44	85	22	50	22
15	126	71	34	60	73	247	63	43	52	115	51	21
16	63	64	34	56	69	371	61	43	43	49	43	370
17	49	60	42	53	66	209	60	41	40	34	95	760
18	43	57	164	298	67	114	59	39	37	166	79	73
19	41	54	866	1000	71	767	109	39	112	34	133	51
20	46	52	146	158	247	154	352	38	64	52	77	42
21	44	50	95	110	76	124	264	37	36	57	36	400
22	33	47	81	92	68	96	87	36	32	25	338	181
23	33	46	72	81	64	83	77	36	31	23	364	38
24	31	90	66	467	61	77	75	125	30	23	413	29
25	30	49	62	116	60	227	58	283	66	108	74	26
26	28	44	60	632	61	95	446	55	63	61	81	24
27	228	43	58	3930	63	118	122	60	33	53	47	85
28	245	139	56	334	119	395	69	368	35	48	37	1090
29	40	211	55	242	73	141	417	63	29	39	33	195
30	35	55	53	270	---	110	660	44	27	24	30	65
31	56	---	75	722	---	152	---	37	---	22	29	---
TOTAL	12889	6333	3195	11172	7246	11038	4263	2418	2353	1324	4753	3969
MEAN	416	211	103	360	250	356	142	78.0	78.4	42.7	153	132
MAX	6500	1430	866	3930	3590	3160	660	368	569	166	933	1090
MIN	28	43	34	53	60	56	58	36	27	22	29	21
CFSM	4.79	2.43	1.19	4.15	2.88	4.10	1.64	.90	.90	.49	1.77	1.52
IN.	5.52	2.71	1.37	4.79	3.11	4.73	1.83	1.04	1.01	.57	2.04	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	92.5	110	124	177	191	227	170	137	115	124	100	95.3
MAX	416	374	395	402	448	531	508	379	307	301	257	325
(WY)	1996	1993	1984	1972	1990	1980	1979	1991	1989	1989	1974	1989
MIN	13.4	31.7	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	1959	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1958 - 1996

ANNUAL TOTAL	57258	70953	
ANNUAL MEAN	157	194	139
HIGHEST ANNUAL MEAN			203
LOWEST ANNUAL MEAN			67.0
HIGHEST DAILY MEAN	6500	Oct 4	6500
LOWEST DAILY MEAN	11	Aug 16	6.0
ANNUAL SEVEN-DAY MINIMUM	14	Aug 12	6.2
INSTANTANEOUS PEAK FLOW			8010
INSTANTANEOUS PEAK STAGE			19.10
ANNUAL RUNOFF (CFSM)	1.81		2.23
ANNUAL RUNOFF (INCHES)	24.54		30.41
10 PERCENT EXCEEDS	267		337
50 PERCENT EXCEEDS	55		67
90 PERCENT EXCEEDS	22		30
			23
			21.06
			1.60
			272
			60
			23
			Mar 17 1990
			Mar 17 1990
			Oct 4 1995
			Oct 3 1981
			Oct 2 1981
			1975
			1981

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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	3.07	3.78	3.46	4.45	4.18	3.53	4.00	3.78	3.11	2.70	3.85	2.95
2	3.06	6.50	3.43	4.29	11.85	3.51	3.59	3.57	3.10	2.69	3.19	3.49
3	4.05	4.32	3.41	3.82	6.54	3.49	3.54	3.49	3.11	2.68	3.63	3.21
4	17.06	3.75	3.42	3.43	4.35	3.50	3.51	3.43	3.20	2.65	3.18	3.13
5	11.44	3.51	3.42	3.37	4.11	3.51	3.49	3.39	3.20	2.64	5.35	3.07
6	4.49	3.99	3.54	4.55	3.99	10.93	4.14	3.53	2.87	2.66	5.26	2.95
7	3.94	7.77	4.12	5.79	3.93	11.16	3.62	3.87	2.87	2.68	3.89	2.91
8	3.72	4.51	3.39	3.87	3.85	4.66	3.50	3.40	3.15	3.00	3.96	2.88
9	3.61	3.82	5.09	3.62	3.77	4.11	3.54	3.32	5.38	2.89	3.34	2.98
10	3.49	3.66	3.56	3.52	3.73	3.94	3.46	3.29	3.56	2.69	3.25	3.14
11	3.45	7.63	3.37	3.69	3.72	3.84	3.44	3.50	3.80	2.73	3.63	2.92
12	3.40	4.47	3.34	4.35	3.67	3.79	3.44	3.35	3.77	2.65	3.96	2.88
13	3.41	3.91	3.29	3.51	3.66	3.71	3.46	3.25	4.44	2.66	3.28	2.85
14	5.64	3.76	3.28	3.42	3.65	3.69	3.43	3.23	3.48	2.64	3.17	2.85
15	3.92	3.62	3.27	3.37	3.63	4.25	3.40	3.22	3.23	3.38	3.19	2.83
16	3.55	3.56	3.27	3.34	3.60	4.81	3.39	3.21	3.14	2.95	3.11	4.32
17	3.43	3.53	3.35	3.32	3.58	4.19	3.38	3.20	3.10	2.77	3.37	5.87
18	3.37	3.50	3.81	4.26	3.59	3.74	3.37	3.18	3.07	3.85	3.39	3.36
19	3.35	3.48	6.45	6.68	3.60	6.12	3.66	3.17	3.50	2.80	3.71	3.18
20	3.39	3.46	3.91	3.97	4.45	3.95	4.63	3.17	3.32	2.92	3.36	3.09
21	3.38	3.44	3.63	3.72	3.65	3.80	4.45	3.15	3.06	3.02	3.03	4.44
22	3.25	3.41	3.54	3.61	3.59	3.63	3.58	3.14	3.01	2.69	4.04	3.90
23	3.25	3.40	3.47	3.54	3.56	3.55	3.50	3.14	3.00	2.65	4.64	3.06
24	3.24	3.74	3.43	5.10	3.54	3.51	3.49	3.51	2.99	2.65	4.88	2.95
25	3.22	3.43	3.39	3.75	3.53	4.23	3.36	4.48	3.27	3.46	3.37	2.90
26	3.20	3.38	3.37	4.99	3.54	3.62	4.95	3.33	3.30	3.28	3.41	2.88
27	4.06	3.37	3.36	12.21	3.55	3.72	3.77	3.34	2.79	3.23	3.14	3.34
28	4.34	3.79	3.35	4.77	3.88	4.94	3.45	4.85	2.81	3.17	3.04	6.72
29	3.34	4.26	3.33	4.38	3.62	3.88	4.55	3.40	2.73	3.08	2.99	4.03
30	3.28	3.48	3.32	4.50	---	3.71	5.68	3.23	2.70	2.91	2.95	3.30
31	3.47	---	3.45	6.03	---	3.94	---	3.16	---	2.88	2.94	---
MEAN	4.29	4.07	3.61	4.43	4.13	4.42	3.76	3.43	3.27	2.89	3.60	3.41
MAX	17.06	7.77	6.45	12.21	11.85	11.16	5.68	4.85	5.38	3.85	5.35	6.72
MIN	3.06	3.37	3.27	3.32	3.53	3.49	3.36	3.14	2.70	2.64	2.94	2.83
CAL YR 1995	MEAN 3.66		MAX 17.06		MIN 2.80							
WTR YR 1996	MEAN 3.77		MAX 17.06		MIN 2.64							

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to May 1972, July 1975 to current year.

REMARKS.--Laboratory analyses with analyzing agency codes 80020 are by the U.S. Geological Survey. Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 81341 are by the Environmental Protection Division of the Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 1028 are by the U.S. Geological Survey. Field determinations of Discharge and Total Alkalinity are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT												
06...	1045	1028	80020	247	113	--	6.4	--	20.5	31.0	8.2	91
18...	0851	81341	81341	44	143	140	7.1	7.1	14.5	21.0	8.1	--
NOV												
08...	0845	81341	81341	265	80	78	7.2	6.7	13.0	8.0	8.9	--
08...	1320	1028	80020	200	94	--	6.7	--	13.0	13.0	9.0	89
DEC												
06...	1415	1028	80020	49	151	--	6.8	--	13.0	15.0	9.1	88
07...	0830	81341	81341	258	103	102	7.3	7.0	12.5	5.0	8.9	--
JAN												
17...	1300	1028	80020	54	162	--	7.0	--	9.0	11.0	10.5	93
25...	0925	81341	81341	117	108	95	7.2	7.1	6.0	-1.0	11.2	--
FEB												
14...	0930	81341	81341	76	151	143	7.1	7.0	6.5	6.5	11.1	--
26...	1300	1028	80020	60	157	--	7.0	--	14.5	--	9.9	99
MAR												
07...	0905	81341	81341	6340	51	44	6.6	6.6	14.5	13.0	9.0	--
APR												
02...	1330	1028	80020	87	134	--	6.8	--	13.0	20.0	10.0	97
11...	0850	81341	81341	68	155	146	--	7.2	10.0	6.0	--	--
MAY												
06...	1345	1028	80020	59	155	--	6.8	--	24.0	30.0	7.5	91
23...	0845	81341	81341	36	160	153	7.2	7.1	22.0	22.5	6.8	--
JUN												
13...	0828	81341	81341	87	86	80	7.0	6.9	22.0	23.0	7.0	--
17...	1300	1028	80020	40	159	--	6.4	--	25.5	28.0	6.4	79
JUL												
15...	0845	1028	80020	45	195	--	6.6	--	24.5	26.5	5.0	61
15...	1045	1028	80020	62	98	--	6.4	--	24.0	25.0	6.9	83
AUG												
15...	0857	81341	81341	50	141	143	6.7	7.2	22.5	21.5	6.5	--
27...	1320	1028	80020	38	134	--	6.6	--	25.0	26.0	6.8	84
SEP												
12...	0912	81341	81341	24	157	152	7.1	7.1	22.0	22.0	6.2	--
24...	0800	1028	80020	29	133	--	6.8	--	19.0	21.0	6.6	73

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3
OCT						
06...	1028	80020	29	--	--	--
18...	81341	81341	5.0	1.1	17000	45
NOV						
08...	81341	81341	50	2.1	24000	20
08...	1028	80020	27	--	--	--
DEC						
06...	1028	80020	3.1	--	--	--
07...	81341	81341	28	4.5	14000	32
JAN						
17...	1028	80020	3.9	--	--	--
25...	81341	81341	39	1.2	1700	25
FEB						
14...	81341	81341	5.0	<1.0	3300	40
26...	1028	80020	--	--	--	--
MAR						
07...	81341	81341	190	3.6	<35	10
APR						
02...	1028	80020	5.8	--	--	--
11...	81341	81341	4.0	<1.0	1300	44
MAY						
06...	1028	80020	2.9	--	--	--
23...	81341	81341	4.0	<1.0	<18000	52
JUN						
13...	81341	81341	70	1.7	<35000	23
17...	1028	80020	2.6	--	--	--
JUL						
15...	1028	80020	4.2	--	--	--
15...	1028	80020	62	--	--	--
AUG						
15...	81341	81341	12	--	3300	46
27...	1028	80020	3.7	--	--	--
SEP						
12...	81341	81341	5.0	1.0	6300	47
24...	1028	80020	2.5	--	--	--

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)
OCT									
06...	1028	80020	<0.010	0.520	0.520	--	0.040	0.26	0.36
18...	81341	81341	--	0.500	--	0.100	--	--	--
NOV									
08...	81341	81341	--	0.590	--	0.030	--	--	--
08...	1028	80020	0.010	0.590	0.590	--	<0.015	0.40	--
DEC									
06...	1028	80020	<0.010	0.600	0.600	--	0.050	0.25	0.15
07...	81341	81341	--	0.660	--	0.110	--	--	--
JAN									
17...	1028	80020	<0.010	0.900	0.900	--	0.060	0.14	0.14
25...	81341	81341	--	0.620	--	0.100	--	--	--
FEB									
14...	81341	81341	--	1.04	--	0.090	--	--	--
26...	1028	80020	0.010	0.800	0.800	--	0.030	--	0.17
MAR									
07...	81341	81341	--	0.440	--	0.090	--	--	--
APR									
02...	1028	80020	0.010	0.900	0.900	--	0.080	0.12	--
11...	81341	81341	--	0.820	--	0.050	--	--	--
MAY									
06...	1028	80020	0.010	0.710	0.710	--	0.070	0.23	--
23...	81341	81341	--	0.640	--	0.050	--	--	--
JUN									
13...	81341	81341	--	0.590	--	<0.030	--	--	--
17...	1028	80020	0.020	0.800	0.800	--	0.100	0.30	0.20
JUL									
15...	1028	80020	0.040	0.460	0.460	--	0.190	0.61	0.31
15...	1028	80020	0.030	0.550	0.550	--	0.210	2.5	0.39
AUG									
15...	81341	81341	--	0.450	--	0.120	--	--	--
27...	1028	80020	0.020	0.600	0.600	--	0.100	0.20	0.10
SEP									
12...	81341	81341	--	0.530	--	0.120	--	--	--
24...	1028	80020	0.010	0.480	0.480	--	0.270	0.23	0.13

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
OCT 06...	1028	80020	0.520	0.040	0.30	0.40	0.050	<0.010	0.010	4.0	1.3
18...	81341	81341	--	--	--	--	0.050	--	--	--	--
NOV 08...	81341	81341	--	--	--	--	0.100	--	--	--	--
08...	1028	80020	0.590	<0.015	0.40	0.40	0.060	0.030	0.020	3.8	1.0
DEC 06...	1028	80020	0.600	0.050	0.30	0.20	0.040	<0.010	0.010	1.9	0.40
07...	81341	81341	--	--	--	--	0.100	--	--	--	--
JAN 17...	1028	80020	0.900	0.060	0.20	0.20	0.020	<0.010	<0.010	1.6	0.40
25...	81341	81341	--	--	--	--	0.060	--	--	--	--
FEB 14...	81341	81341	--	--	--	--	<0.020	--	--	--	--
26...	1028	80020	0.800	0.030	<0.20	0.20	0.020	0.020	<0.010	--	--
MAR 07...	81341	81341	--	--	--	--	0.310	--	--	--	--
APR 02...	1028	80020	0.900	0.080	0.20	<0.20	0.020	<0.010	<0.010	1.9	0.50
11...	81341	81341	--	--	--	--	<0.020	--	--	--	--
MAY 06...	1028	80020	0.710	0.070	0.30	<0.20	0.020	<0.010	<0.010	1.8	0.70
23...	81341	81341	--	--	--	--	0.050	--	--	--	--
JUN 13...	81341	81341	--	--	--	--	0.080	--	--	--	--
17...	1028	80020	0.800	0.100	0.40	0.30	0.010	<0.010	0.020	2.6	0.30
JUL 15...	1028	80020	0.460	0.190	0.80	0.50	0.070	0.020	0.030	5.2	1.2
15...	1028	80020	0.550	0.210	2.7	0.60	0.510	0.050	0.060	8.7	19
AUG 15...	81341	81341	--	--	--	--	0.040	--	--	--	--
27...	1028	80020	0.600	0.100	0.30	0.20	<0.010	<0.010	0.010	3.0	0.50
SEP 12...	81341	81341	--	--	--	--	0.040	--	--	--	--
24...	1028	80020	0.480	0.270	0.50	0.40	0.050	<0.010	0.020	2.9	0.60

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	1045	80113	247	20.5	47	31	92
NOV 08...	1320	80113	200	13.0	39	21	88
DEC 06...	1415	80113	49	13.0	5	0.66	--
JAN 17...	1300	82213	54	9.0	4	0.58	--
FEB 26...	1300	82213	60	14.5	5	0.81	--
APR 02...	1330	82213	87	13.0	8	1.9	--
SEP 24...	0800	82213	29	19.0	20	1.6	--

APALACHICOLA RIVER BASIN

02336410 NANCY CREEK AT WEST WESLEY ROAD AT ATLANTA, GA.

LOCATION.--Lat 33°50'18", long 84°26'22", Fulton County, Hydrologic Unit 03130002, on the right downstream abutment of bridge on West Wesley Road, 0.6 mi above mouth and 6.8 mi north-northwest of the Georgia State Capitol.

DRAINAGE AREA.--37.7 mi².

PERIOD OF RECORD.--October 1994 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 773.07 ft above sea level (U.S. Army Corp of Engineers).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	28	31	26	37	919	e36	27	121	1010	9.1	15
2	58	24	28	24	34	98	e35	97	237	173	12	16
3	231	23	28	23	34	71	e34	25	28	42	11	14
4	67	21	77	26	45	82	e33	39	20	31	24	12
5	43	24	47	24	33	146	e33	34	20	26	12	13
6	35	24	34	80	30	184	e34	21	33	24	10	11
7	32	22	31	162	30	85	e34	20	17	21	14	12
8	24	20	31	42	29	e1200	e33	21	15	18	22	8.2
9	29	20	28	33	28	159	e35	19	14	16	12	6.6
10	58	44	64	32	183	104	e34	20	14	15	12	5.8
11	34	64	83	29	450	86	e150	20	26	16	11	4.7
12	182	26	34	28	104	69	e110	19	422	13	15	4.0
13	113	23	29	29	55	58	e45	18	39	14	9.9	20
14	90	22	28	106	50	54	e33	18	25	13	9.3	1790
15	45	23	28	65	55	53	e35	71	20	12	9.1	84
16	32	23	27	36	e1800	e50	e31	54	16	11	9.9	41
17	29	23	26	34	e400	e48	e28	23	14	12	9.7	126
18	32	21	25	31	550	e46	e25	19	14	12	7.4	29
19	27	22	23	80	153	e43	e140	39	13	11	76	19
20	33	21	25	49	105	e42	e110	22	15	11	288	17
21	29	50	28	33	80	e41	e410	16	54	9.6	28	21
22	133	25	40	36	71	e39	e480	14	33	12	25	22
23	73	20	35	65	64	e38	e150	13	17	31	16	60
24	36	19	29	42	57	e36	e100	13	48	15	14	39
25	29	19	27	32	52	e34	e50	13	206	10	28	19
26	27	113	25	31	47	e33	e40	12	29	11	687	21
27	26	87	26	34	49	e40	e30	66	33	11	207	20
28	24	317	27	308	492	e41	25	103	15	10	77	16
29	24	68	27	69	—	e33	21	20	18	10	24	19
30	31	42	26	46	—	e37	20	19	566	9.0	19	15
31	54	—	25	40	—	e38	—	17	—	8.7	15	—
TOTAL	1708	1278	1042	1695	5117	4007	2374	932	2142	1638.3	1723.4	2500.3
MEAN	55.1	42.6	33.6	54.7	183	129	79.1	30.1	71.4	52.8	55.6	83.3
MAX	231	317	83	308	1800	1200	480	103	566	1010	687	1790
MIN	24	19	23	23	28	33	20	12	13	8.7	7.4	4.0
CFSM	1.46	1.13	.89	1.45	4.85	3.43	2.10	.80	1.89	1.40	1.47	2.21
IN.	1.69	1.26	1.03	1.67	5.05	3.95	2.34	.92	2.11	1.62	1.70	2.47

e Estimated

SUMMARY STATISTICS

FOR 1995 WATER YEAR

ANNUAL TOTAL	26157.0	
ANNUAL MEAN	71.7	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	1800	Feb 16
LOWEST DAILY MEAN	4.0	Sep 12
ANNUAL SEVEN-DAY MINIMUM	7.5	Sep 6
INSTANTANEOUS PEAK FLOW	unknown	Mar 8
INSTANTANEOUS PEAK STAGE	a11.96	Mar 8
INSTANTANEOUS LOW FLOW	3.5	Sep 13
ANNUAL RUNOFF (CFSM)	1.90	
ANNUAL RUNOFF (INCHES)	25.81	
10 PERCENT EXCEEDS	113	
50 PERCENT EXCEEDS	29	
90 PERCENT EXCEEDS	12	

a Backwater from Chattahoochee River

APALACHICOLA RIVER BASIN

02336410 NANCY CREEK AT WEST WESLEY ROAD AT ATLANTA, GA.--Continued

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	17	49	21	74	65	e60	187	63	21	14	223	18
2	15	525	18	54	e2400	e58	76	44	20	17	45	95
3	204	162	17	33	e1000	e55	64	37	20	15	100	35
4	e3000	55	17	22	e180	e50	56	33	28	12	21	53
5	e2000	23	17	22	130	e60	52	34	24	12	529	50
6	e220	78	19	189	79	e1800	112	238	19	14	506	20
7	80	1760	52	424	84	e2000	56	296	18	13	139	16
8	42	173	22	58	91	e200	42	56	19	15	113	17
9	28	45	320	37	74	e125	e37	38	566	15	25	70
10	23	30	38	34	63	e105	e45	34	58	11	17	51
11	22	1190	21	42	64	e100	e42	33	53	11	64	22
12	28	99	20	140	61	e95	e40	33	182	9.3	240	18
13	30	43	19	36	58	90	e41	28	303	27	34	15
14	315	35	17	29	62	87	e40	27	84	35	20	15
15	52	25	17	27	67	334	e38	27	49	208	15	15
16	20	24	18	24	60	497	36	26	27	60	16	245
17	14	27	18	25	63	258	33	24	23	107	121	303
18	14	21	67	173	61	115	34	24	21	90	32	30
19	12	21	789	541	66	800	43	23	39	13	307	21
20	19	19	58	52	e170	125	285	22	28	27	74	16
21	18	19	34	37	e70	95	220	22	18	36	23	315
22	10	17	25	29	e60	84	58	20	16	16	257	72
23	9.8	17	20	27	e50	64	43	20	21	13	341	23
24	10	25	18	341	e40	62	39	20	16	9.8	162	19
25	11	18	17	55	e35	196	32	55	64	13	73	17
26	10	17	16	e470	e32	87	241	24	42	16	32	17
27	135	16	16	e2800	e35	83	55	20	22	16	25	40
28	190	93	15	e220	e80	355	38	343	16	30	23	576
29	21	239	15	98	e65	105	230	54	15	21	21	76
30	17	29	16	88	---	83	447	32	15	35	17	28
31	35	---	20	400	---	110	---	25	---	43	17	---
TOTAL	6621.8	4894	1797	6601	5365	8338	2762	1775	1847	974.1	3632	2308
MEAN	214	163	58.0	213	185	269	92.1	57.3	61.6	31.4	117	76.9
MAX	3000	1760	789	2800	2400	2000	447	343	566	208	529	576
MIN	9.8	16	15	22	32	50	32	20	15	9.3	15	15
CFSM	5.67	4.33	1.54	5.65	4.91	7.13	2.44	1.52	1.63	.83	3.11	2.04
IN.	6.53	4.83	1.77	6.51	5.29	8.23	2.73	1.75	1.82	.96	3.58	2.28

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	134	103	45.8	134	184	199	85.6	43.7	66.5	42.1	86.4	84.2
MAX	214	163	58.0	213	185	269	92.1	57.3	71.4	52.8	117	92.3
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1995	1995	1996	1994
MIN	55.1	42.6	33.6	54.7	183	129	79.1	30.1	61.6	31.4	55.6	76.9
(WY)	1995	1995	1995	1995	1995	1995	1995	1995	1996	1996	1995	1996

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	35441.8	46914.9	
ANNUAL MEAN	97.1	128	100
HIGHEST ANNUAL MEAN			128
LOWEST ANNUAL MEAN			71.7
HIGHEST DAILY MEAN	3000	3000	3000
LOWEST DAILY MEAN	4.0	9.3	4.0
ANNUAL SEVEN-DAY MINIMUM	7.5	13	7.5
INSTANTANEOUS PEAK FLOW		unknown	unknown
INSTANTANEOUS PEAK STAGE		b17.73	b17.73
INSTANTANEOUS LOW FLOW		8.4	3.5
ANNUAL RUNOFF (CFSM)	2.58	3.40	2.65
ANNUAL RUNOFF (INCHES)	34.97	46.29	36.03
10 PERCENT EXCEEDS	162	257	187
50 PERCENT EXCEEDS	28	37	32
90 PERCENT EXCEEDS	12	16	15

a During the period October 4-5, 1995, or January 27, 1996

b Backwater from Chattahoochee River

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.

LOCATION.--Lat 33°49'01", long 84°28'48", Fulton-Cobb County line, Hydrologic Unit 03130002, on downstream side of bridge on State Highway 280, 0.6 mi upstream from Southern Railway bridge, 1.7 mi downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.--1,590 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 736.35 ft above sea level.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

EXTREMES OUTSIDE PERIOD OF RECORD: Flood of April 13, 1979, reached a stage of 30.71 ft from floodmarks, discharge, 32,000 ft³/s.

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	1260	1600	2540	1820	9030	3890	2380	5560	1940	1170	3510	1160
2	1420	3960	1990	1730	18800	3460	2910	5050	1290	2490	3030	1480
3	3060	3640	1610	1930	15400	1440	2750	4360	1470	2940	2480	1860
4	20200	2150	1390	2030	9220	1820	2640	5880	3640	2830	1300	2920
5	25400	1340	1700	1950	9680	3370	2670	1620	2590	2630	2780	2700
6	9440	1750	1830	2410	9130	15300	2770	5130	3860	1560	5170	2710
7	4240	9610	2210	4540	8950	20100	1710	5430	3760	1140	4220	2310
8	1540	7590	2010	2810	8850	10700	1870	4760	3290	1470	4510	1140
9	1390	4950	4560	2250	9350	10700	3110	4420	3760	3560	4000	1790
10	1520	2860	1750	2050	9290	9920	3550	4470	2750	3770	3420	3070
11	1750	7070	1720	2120	9310	9610	3190	4030	4250	3670	1360	2640
12	1720	3950	1900	3550	9240	9440	3200	1740	4360	3470	3100	2240
13	1770	2410	1900	3420	9250	9410	2740	1620	5480	3050	4100	2320
14	2750	2010	1810	1530	9260	9350	1580	2760	5120	1240	3880	1930
15	1960	1900	1810	2100	9300	9660	1830	3120	3590	1850	3740	1130
16	1840	1990	1680	3970	9270	8950	3390	2870	1340	3090	3870	2680
17	2400	1850	1370	4060	9220	4150	3510	2820	1480	3160	3360	6270
18	2460	1750	1520	4600	9300	4230	4270	2460	2230	3500	1320	2700
19	2370	1360	6000	8580	8410	8800	4260	1420	2560	2990	1860	2820
20	2440	1490	3090	5390	7290	7680	4480	1760	2590	2540	3270	2610
21	2080	2610	2120	1870	6870	8250	4220	3800	2380	1290	3050	2950
22	1310	2930	2010	2050	7440	8090	2920	3800	2200	1440	3220	1930
23	1390	2850	1750	4090	7390	5000	4840	4370	1170	1850	4260	1620
24	1660	3040	1380	6100	6690	1730	4680	3710	1390	1780	3570	1800
25	1640	2520	1650	5410	3270	2320	4180	4050	2680	2030	1390	1840
26	1640	1300	4580	5700	3790	4900	5900	1450	2900	1930	1750	1830
27	1840	1710	5280	22600	3790	4940	4850	1990	2820	1690	2580	2260
28	2670	2620	4740	11200	4300	3950	3390	5490	2580	1370	2350	4230
29	1310	3400	4880	10200	4040	5020	4220	2950	2090	1460	2310	2240
30	1220	2780	3940	9290	---	6130	6430	2490	1160	1700	2270	1790
31	1580	---	1460	10700	---	2090	---	2480	---	2940	1940	---
TOTAL	109270	90990	78180	152050	245130	214400	104440	107860	82720	71600	92970	70970
MEAN	3525	3033	2522	4905	8453	6916	3481	3479	2757	2310	2999	2366
MAX	25400	9610	6000	22600	18800	20100	6430	5880	5480	3770	5170	6270
MIN	1220	1300	1370	1530	3270	1440	1580	1420	1160	1140	1300	1130

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2489	2301	2622	3051	3725	3523	2778	2600	2154	2458	2832	2565
MAX	4289	4173	7191	8529	8606	8512	5962	6291	3009	3235	4664	4276
(WY)	1992	1993	1993	1993	1990	1990	1983	1984	1991	1992	1994	1991
MIN	1443	1365	1138	1325	1185	1274	1195	1065	1096	1350	1437	1376
(WY)	1989	1989	1989	1989	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	1160410		1420580			
ANNUAL MEAN	3179	†3191	3881	†3955	2782	†2802
HIGHEST ANNUAL MEAN					4394	1993
LOWEST ANNUAL MEAN					1486	1988
HIGHEST DAILY MEAN	25400	Oct 5	25400	Oct 5	29800	Mar 17 1990
LOWEST DAILY MEAN	1140	May 22	1130	Sep 15	847	May 30 1988
ANNUAL SEVEN-DAY MINIMUM	1250	Apr 2	1650	Oct 21	883	May 28 1988
INSTANTANEOUS PEAK FLOW			28500	Oct 5	33300	Mar 17 1990
INSTANTANEOUS PEAK STAGE			28.73	Oct 5	31.51	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.00	†2.01	2.44	†2.48	1.75	†1.76
ANNUAL RUNOFF (INCHES)	27.15	†27.25	33.24	†33.78	23.77	†23.93
10 PERCENT EXCEEDS	5850		8950		5280	
50 PERCENT EXCEEDS	2340		2820		1940	
90 PERCENT EXCEEDS	1310		1470		1160	

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02336529 PROCTOR CREEK AT NORTHWEST DRIVE NEAR ATLANTA, GA.

LOCATION.--Lat 33°47'57", long 84°29'13", Fulton County, Hydrologic Unit 03130002, on the downstream end of left pier of bridge on Northwest Drive, 1.0 mi above mouth and 6.5 mi northwest of the Georgia State Capitol.

DRAINAGE AREA.--15.5 mi².

PERIOD OF RECORD.--April 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is about 740 ft above sea level (from topographic map).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	--	--	--	27	23	32	3.7	6.0
2	--	--	--	--	--	--	--	25	14	12	3.0	6.1
3	--	--	--	--	--	--	--	7.4	22	8.9	7.7	5.8
4	--	--	--	--	--	--	--	9.8	7.0	13	6.8	5.6
5	--	--	--	--	--	--	--	7.4	9.0	10	3.7	5.6
6	--	--	--	--	--	--	--	5.9	9.0	7.8	3.3	5.9
7	--	--	--	--	--	--	--	5.8	6.4	8.0	13	5.9
8	--	--	--	--	--	--	--	6.0	6.2	7.2	5.7	5.9
9	--	--	--	--	--	--	--	6.1	6.7	7.4	5.4	6.2
10	--	--	--	--	--	--	--	6.0	7.9	7.1	4.1	6.4
11	--	--	--	--	--	--	--	5.8	30	7.6	4.6	6.3
12	--	--	--	--	--	--	--	5.8	73	7.3	4.7	6.4
13	--	--	--	--	--	--	--	5.7	7.3	6.7	5.3	19
14	--	--	--	--	--	--	--	5.7	7.0	7.8	5.1	198
15	--	--	--	--	--	--	--	55	6.2	7.6	5.4	12
16	--	--	--	--	--	--	--	11	5.1	6.8	5.9	33
17	--	--	--	--	--	--	--	7.6	4.6	19	5.9	76
18	--	--	--	--	--	--	--	6.5	4.5	9.2	7.7	9.2
19	--	--	--	--	--	--	--	36	4.5	7.7	49	9.8
20	--	--	--	--	--	--	--	7.4	4.6	7.6	320	7.4
21	--	--	--	--	--	--	--	7.0	10	6.7	354	9.3
22	--	--	--	--	--	--	--	6.0	5.9	5.7	19	8.5
23	--	--	--	--	--	--	--	5.8	7.0	5.5	10	36
24	--	--	--	--	--	--	--	5.6	14	5.9	7.5	10
25	--	--	--	--	--	--	--	5.8	12	5.8	11	8.0
26	--	--	--	--	--	--	8.0	6.0	15	3.8	131	7.8
27	--	--	--	--	--	--	7.9	7.0	9.6	3.7	28	7.5
28	--	--	--	--	--	--	7.8	17	8.1	3.1	11	7.3
29	--	--	--	--	--	--	7.2	7.0	6.5	11	6.4	7.3
30	--	--	--	--	--	--	7.0	5.5	244	6.5	6.3	7.1
31	--	--	--	--	--	--	--	7.2	--	4.1	6.2	--
TOTAL	--	--	--	--	--	--	--	332.8	590.1	262.5	1060.4	545.3
MEAN	--	--	--	--	--	--	--	10.7	19.7	8.47	34.2	18.2
MAX	--	--	--	--	--	--	--	55	244	32	354	198
MIN	--	--	--	--	--	--	--	5.5	4.5	3.1	3.0	5.6
CFSM	--	--	--	--	--	--	--	.69	1.27	.55	2.21	1.17
IN.	--	--	--	--	--	--	--	.80	1.42	.63	2.54	1.31

APALACHICOLA RIVER BASIN

02336529 PROCTOR CREEK AT NORTHWEST DRIVE NEAR ATLANTA, GA.--Continued

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	7.0	26	8.5	29	18	9.1	19	14	e8.2	e5.2	28	6.1
2	7.3	135	8.1	27	e650	8.9	14	13	e8.2	e5.1	5.2	34
3	114	16	8.0	11	e108	9.1	14	12	e8.2	e5.0	3.8	6.6
4	e1100	9.2	7.7	8.7	e44	9.1	13	11	e8.1	e5.0	3.4	6.0
5	e400	7.6	7.8	8.7	e39	10	12	12	e7.8	e4.9	168	4.7
6	e50	49	11	57	e38	e540	28	11	e7.8	e4.9	53	4.3
7	21	253	18	92	e35	e570	13	11	e7.5	e5.0	111	4.2
8	15	20	9.9	14	e36	e56	12	10	e7.5	e9.0	47	4.2
9	13	11	42	12	e32	47	12	11	e50	e7.5	8.4	4.2
10	9.8	9.1	9.1	12	30	42	11	10	e15	e6.0	7.3	4.9
11	7.7	294	8.1	30	29	39	11	17	e8.0	e5.5	9.2	17
12	7.3	18	8.8	24	26	38	11	10	e25	e5.0	21	7.2
13	8.2	14	8.5	12	24	37	13	9.2	e55	e5.0	6.0	4.2
14	52	14	8.4	12	25	36	12	9.3	e15	e4.8	4.8	3.9
15	5.9	12	8.4	12	24	45	12	9.2	e9.0	e19	4.0	3.7
16	4.9	11	9.1	11	24	45	11	9.4	e8.0	e10	3.4	149
17	4.7	11	9.0	10	21	36	11	9.0	e7.5	e25	3.8	140
18	4.6	11	74	e50	21	39	11	e8.8	e7.0	e10	2.4	6.7
19	4.9	11	130	e100	23	269	14	10	e20	e8.0	25	5.0
20	6.0	11	13	e20	43	22	79	e9.2	e11	7.2	3.8	4.3
21	5.0	11	10	12	14	18	26	10	e7.0	5.2	1.5	141
22	4.9	11	9.0	12	13	16	18	e9.0	e6.0	4.1	50	10
23	5.0	11	8.6	11	12	15	14	8.6	e5.5	3.8	15	5.3
24	5.3	14	8.2	85	11	14	12	8.8	e5.5	4.0	146	4.6
25	5.5	9.4	8.1	14	10	37	12	e50	e12	20	21	4.2
26	5.5	9.0	8.1	e110	9.5	16	78	e16	e11	4.5	9.5	4.0
27	44	9.0	8.3	e700	12	21	13	e13	e6.0	11	25	9.4
28	21	38	8.0	e60	15	45	12	e56	e5.8	6.5	11	208
29	6.2	22	7.7	e50	9.1	18	145	e13	e5.5	4.3	7.4	12
30	5.8	9.3	8.2	e44	---	17	40	e10	e5.3	3.8	6.5	13
31	7.6	---	13	e70	---	22	---	e8.8	---	5.8	5.9	---
TOTAL	1959.1	1086.6	504.6	1720.4	1395.6	2146.2	703	419.3	363.4	230.1	817.3	831.7
MEAN	63.2	36.2	16.3	55.5	48.1	69.2	23.4	13.5	12.1	7.42	26.4	27.7
MAX	1100	294	130	700	650	570	145	56	55	25	168	208
MIN	4.6	7.6	7.7	8.7	9.1	8.9	11	8.6	5.3	3.8	1.5	3.7
CFSM	4.08	2.34	1.05	3.58	3.10	4.47	1.51	.87	.78	.48	1.70	1.79
IN.	4.70	2.61	1.21	4.13	3.35	5.15	1.69	1.01	.87	.55	1.96	2.00

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	63.2	36.2	16.3	55.5	48.1	69.2	23.4	12.1	15.9	7.95	30.3	22.9
MAX	63.2	36.2	16.3	55.5	48.1	69.2	23.4	13.5	19.7	8.47	34.2	27.7
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1995	1995	1995	1996
MIN	63.2	36.2	16.3	55.5	48.1	69.2	23.4	10.7	12.1	7.42	26.4	18.2
(WY)	1996	1996	1996	1996	1996	1996	1996	1995	1996	1996	1996	1995

SUMMARY STATISTICS	FOR THE PERIOD APR TO SEP 1995	FOR 1996 WATER YEAR	WATER YEARS 1995 - 1996
ANNUAL TOTAL		12177.3	
ANNUAL MEAN		33.3	33.3
HIGHEST ANNUAL MEAN			33.3 1996
LOWEST ANNUAL MEAN			33.3 1996
HIGHEST DAILY MEAN	354	Aug 21	1100 Oct 4 1995
LOWEST DAILY MEAN	3.0	Aug 2	1.5 Aug 21 1996
ANNUAL SEVEN-DAY MINIMUM		4.6	4.6 Jul 31 1995
INSTANTANEOUS PEAK FLOW	a3090	Aug 21	a2620 Oct 4 1995
INSTANTANEOUS PEAK STAGE	9.85	Aug 21	9.14 Oct 4 1995
INSTANTANEOUS LOW FLOW	2.7	b	1.2 Aug 21,22 1996
ANNUAL RUNOFF (CFSM)		2.15	2.15
ANNUAL RUNOFF (INCHES)		29.23	29.17
10 PERCENT EXCEEDS		51	48
50 PERCENT EXCEEDS		11	9.3
90 PERCENT EXCEEDS		5.0	5.0

a From rating curve extended above 780 ft³/s

b July 29, and August 2,3

APALACHICOLA RIVER BASIN

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278 NEAR MABLETON, GA.

LOCATION.--Lat 33°48'11", long 84°31'12", Cobb County, Hydrologic Unit 03130002, on the left bank at the downstream side of bridge on U.S. Highways 78 and 278, 1.5 mi east of Mableton, and 1.2 mi above mouth.

DRAINAGE AREA.--31.5 mi².

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is about 745 ft above sea level (from topographic map).

REMARKS.--Records good to fair.

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	e15	24	26	46	66	41	71	62	33	e20	54	13
2	14	100	25	39	690	41	54	56	32	e19	25	27
3	108	49	24	34	480	39	53	54	32	e19	19	19
4	745	32	25	29	100	40	51	50	31	e30	17	16
5	1180	29	24	30	73	41	49	47	30	e20	16	19
6	157	45	25	72	64	563	56	55	29	e19	23	14
7	55	341	38	116	60	726	49	62	27	e20	19	13
8	39	100	26	50	58	187	48	46	30	e20	27	12
9	33	54	106	40	57	85	46	45	101	e23	17	37
10	30	e40	38	38	54	69	44	44	40	e20	14	24
11	27	e250	31	41	53	64	44	49	36	e19	20	17
12	26	e90	30	68	49	59	44	43	44	e19	125	20
13	26	e55	28	39	47	57	44	41	e100	e22	28	13
14	64	e45	27	34	47	55	43	41	e45	e21	21	12
15	32	e36	27	32	46	67	44	40	33	e35	19	13
16	25	e34	27	32	44	101	45	40	30	e23	17	85
17	23	e31	26	30	43	90	44	38	28	e75	16	109
18	22	e30	40	53	44	58	44	36	e25	35	16	26
19	22	e29	166	85	46	218	45	35	e24	21	18	22
20	25	28	51	40	92	74	92	35	e22	28	21	19
21	22	27	40	35	52	65	87	34	e22	45	16	81
22	21	25	36	32	48	58	53	33	e21	25	15	42
23	21	25	34	31	48	53	50	32	e21	19	29	22
24	21	27	32	94	45	51	48	31	e20	21	17	20
25	21	25	30	43	42	75	46	40	e35	40	15	18
26	20	24	30	121	43	59	86	34	e23	21	15	17
27	42	25	29	1020	43	60	52	45	e22	24	16	24
28	54	36	29	165	55	104	47	104	e21	26	15	86
29	24	42	28	80	43	66	107	43	e21	21	15	34
30	21	27	29	73	---	61	124	37	e20	17	13	26
31	25	---	35	121	---	66	---	35	---	52	13	---
TOTAL	2960	1725	1162	2763	2632	3393	1710	1387	998	819	711	900
MEAN	95.5	57.5	37.5	89.1	90.8	109	57.0	44.7	33.3	26.4	22.9	30.0
MAX	1180	341	166	1020	690	726	124	104	101	75	125	109
MIN	14	24	24	29	42	39	43	31	20	17	13	12
CFSM	3.03	1.83	1.19	2.83	2.88	3.47	1.81	1.42	1.06	.84	.73	.95
IN.	3.50	2.04	1.37	3.26	3.11	4.01	2.02	1.64	1.18	.97	.84	1.06

e Estimated

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	21160	
ANNUAL MEAN	57.8	
HIGHEST DAILY MEAN	1180	Oct 5
LOWEST DAILY MEAN	12	Sep 8,14
ANNUAL SEVEN-DAY MINIMUM	14	Aug 26
INSTANTANEOUS PEAK FLOW	1480	Oct 5
INSTANTANEOUS PEAK STAGE	13.37	Oct 5
INSTANTANEOUS LOW FLOW	10	Sep 8,9
ANNUAL RUNOFF (CFSM)	1.84	
ANNUAL RUNOFF (INCHES)	24.99	
10 PERCENT EXCEEDS	88	
50 PERCENT EXCEEDS	35	
90 PERCENT EXCEEDS	19	

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, Hydrologic Unit 03130002, on right bank 100 ft upstream from bridge on Interstate Highway 20, 400 ft upstream from Blair Bridge, 3 mi southeast of Austell, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--246 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.--WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft above sea level (levels by U.S. Army Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft, from information by local resident; discharge, 12,600 ft³/s, from rating extended above 6,500 ft³/s on basis of contracted-opening measurement at gage height, 18.2 ft

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,800 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	1800	4,990	13.21	Feb. 3	2300	5,220	13.63
Nov. 8	1500	2,460	8.04	Mar. 8	1200	*5,790	*14.63
Jan. 28	1400	5,540	14.20	Mar. 19	2300	2,080	7.13

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	74	197	209	257	997	298	808	565	177	73	213	89
2	70	388	203	269	2380	284	687	392	156	70	204	107
3	235	541	198	272	4680	272	578	296	150	64	142	122
4	2240	391	197	241	4800	261	492	239	148	58	110	128
5	3680	307	201	222	2940	259	433	219	141	54	97	150
6	4810	272	207	314	1030	1640	436	205	128	54	197	121
7	4360	1300	237	835	715	4340	427	217	119	54	139	103
8	2330	2290	224	615	646	5590	390	187	124	54	110	88
9	563	1870	561	431	583	4360	364	194	300	69	101	132
10	324	1120	447	361	505	1960	336	207	239	68	83	208
11	260	1100	335	344	441	730	322	221	191	61	80	147
12	223	1270	278	535	383	607	312	235	191	57	755	128
13	207	903	250	415	351	530	308	205	226	54	679	103
14	334	630	236	352	340	468	308	192	208	52	303	86
15	451	444	227	308	332	436	302	186	205	64	185	77
16	374	362	224	282	322	680	309	182	164	74	139	120
17	280	316	226	271	308	863	291	180	137	70	112	485
18	234	285	246	306	304	635	277	172	122	179	96	251
19	206	268	1080	934	300	1610	269	164	115	99	139	171
20	191	256	867	839	620	1630	350	156	131	76	127	121
21	185	250	630	651	557	934	711	148	114	86	121	188
22	173	236	401	427	443	652	523	140	107	117	131	388
23	161	226	327	361	378	539	392	131	97	95	195	298
24	155	232	283	645	345	465	346	125	89	78	110	210
25	159	229	256	676	312	504	306	159	89	82	95	150
26	155	225	242	731	297	547	427	150	115	73	89	116
27	177	219	233	3600	293	481	461	193	97	72	116	113
28	333	222	225	5320	333	809	365	407	87	88	107	290
29	274	228	217	4550	331	862	377	386	81	92	131	511
30	235	215	211	2270	---	738	981	304	76	83	112	328
31	202	---	215	1190	---	707	---	219	---	107	95	---
TOTAL	23655	16792	9893	28824	26266	34691	12888	6976	4324	2377	5313	5529
MEAN	763	560	319	930	906	1119	430	225	144	76.7	171	184
MAX	4810	2290	1080	5320	4800	5590	981	565	300	179	755	511
MIN	70	197	197	222	293	259	269	125	76	52	80	77
CFSM	3.10	2.28	1.30	3.78	3.68	4.55	1.75	.91	.59	.31	.70	.75
IN.	3.58	2.54	1.50	4.36	3.97	5.25	1.95	1.05	.65	.36	.80	.84

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	160	228	349	511	587	658	530	340	222	231	185	122
MAX	852	1265	1196	1378	1727	1473	1494	1007	560	805	722	346
(WY)	1990	1949	1984	1972	1961	1990	1979	1991	1989	1905	1904	1950
MIN	5.66	25.7	68.8	81.6	183	173	130	87.5	20.7	15.8	23.0	4.36
(WY)	1955	1955	1956	1956	1938	1988	1986	1988	1988	1986	1954	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1904 - 1996	
ANNUAL TOTAL	147849		177528			
ANNUAL MEAN	405		485		340	
HIGHEST ANNUAL MEAN					553	1984
LOWEST ANNUAL MEAN					141	1988
HIGHEST DAILY MEAN	5280	Feb 18	5590	Mar 8	10100	Feb 4 1982
LOWEST DAILY MEAN	22	Aug 19	52	Jul 14	2.1	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	32	Jul 20	58	Jul 3	2.3	Oct 5 1954
INSTANTANEOUS PEAK FLOW			5790	Mar 8	10700	Feb 4 1982
INSTANTANEOUS PEAK STAGE			14.63	Mar 8	19.90	Feb 4 1982
INSTANTANEOUS LOW FLOW			a51	Jul 14,15	b.52	Jul 6 1990
ANNUAL RUNOFF (CFSM)	1.65		1.97		1.38	
ANNUAL RUNOFF (INCHES)	22.36		26.85		18.77	
10 PERCENT EXCEEDS	858		862		676	
50 PERCENT EXCEEDS	222		244		198	
90 PERCENT EXCEEDS	47		89		61	

a Gage height, .83 ft.

b Due to construction work upstream from gage, gage height, -.31 ft.

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 18...	1230	81341	234	76	72	7.0	6.8	15.5	22.0	8.4
NOV 08...	1220	81341	2420	54	49	6.6	6.3	12.5	10.0	7.3
DEC 07...	1210	81341	242	81	79	7.1	7.0	11.0	5.0	9.8
JAN 25...	1300	81341	653	70	59	7.0	7.0	7.5	7.0	11.0
FEB 14...	1320	81341	338	68	69	7.1	6.7	7.0	14.5	11.3
MAR 07...	1320	81341	4570	44	40	6.4	6.3	13.0	5.5	8.3
APR 11...	1320	81341	317	75	72	7.0	6.9	12.5	22.0	--
MAY 23...	1310	81341	128	92	86	7.1	7.0	24.0	39.0	6.9
JUN 13...	1235	81341	183	89	86	7.2	7.2	22.5	31.0	7.5
AUG 15...	1300	81341	180	80	81	6.6	7.1	24.0	35.0	6.9
SEP 12...	1231	81341	127	105	106	7.0	7.1	22.5	28.0	6.9

DATE	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	81341	12	<1.0	170	23	0.120	<0.030	0.030	4.0
NOV 08...	81341	66	2.6	3300	10	0.190	<0.030	0.090	8.0
DEC 07...	81341	8.0	<1.0	490	23	0.330	0.030	0.020	2.0
JAN 25...	81341	40	<1.0	700	16	0.320	0.070	0.040	4.0
FEB 14...	81341	9.0	<1.0	50	18	0.360	0.060	<0.020	2.0
MAR 07...	81341	100	2.4	<11000	8	0.260	0.040	0.110	6.0
APR 11...	81341	8.0	1.1	50	22	0.300	<0.030	<0.020	2.0
MAY 23...	81341	10	<1.0	130	29	0.360	<0.020	0.080	4.0
JUN 13...	81341	23	<1.0	1100	27	0.330	<0.030	<0.020	3.0
AUG 15...	81341	25	--	<560	22	0.190	<0.030	0.040	4.0
SEP 12...	81341	18	<1.0	330	28	0.240	<0.030	0.030	3.0

APALACHICOLA RIVER BASIN

02337160 DEEP CREEK AT STATE HIGHWAY 70 NEAR TELL, GA.

LOCATION.--Lat 33°39'52", long 84°38'26", Fulton County, Hydrologic Unit 03130002, on the downstream end of the left bridge pier on State Highway 70, 1.0 mi upstream from mouth, 1.3 mi downstream from Line Creek and 2.8 mi west of Tell.

DRAINAGE AREA.--27.5 mi².

PERIOD OF RECORD.--October 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is about 725 ft above sea level (from topographic map).

REMARKS.--Records good to fair, except those for periods of estimated daily discharge, which are fair. Return flow above station regulated by City of Union City.

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	e9.0	30	26	53	93	38	47	53	21	13	e19	e12
2	e9.5	135	24	55	677	37	37	40	20	14	e20	e13
3	16	112	21	38	e860	34	35	34	20	12	e19	e15
4	e400	55	24	33	e200	33	33	32	19	e12	e19	e17
5	e1000	41	23	32	e110	32	34	30	18	e12	e17	e14
6	e300	55	28	45	85	e300	49	29	17	e12	e16	e13
7	e80	504	50	138	73	e1200	37	28	17	e12	e16	e12
8	50	248	32	66	66	e400	33	27	18	11	e15	e11
9	41	72	41	51	60	e150	31	27	66	12	e15	e16
10	37	52	32	47	54	e100	29	25	34	11	e13	e19
11	32	373	29	44	50	65	28	25	32	10	e14	e15
12	30	117	28	60	46	50	27	25	24	9.9	e38	e13
13	26	71	27	42	45	41	29	23	23	10	e20	e12
14	39	60	26	38	45	36	29	23	24	10	e16	e11
15	36	40	26	35	43	34	28	23	20	16	e16	e11
16	29	35	27	36	42	55	28	23	19	15	e14	e15
17	27	32	28	35	41	47	28	23	18	13	e13	e21
18	26	30	32	42	41	33	27	22	17	65	e13	e18
19	24	29	144	90	41	199	27	22	16	44	e13	e16
20	25	28	65	54	61	65	40	21	16	11	e12	14
21	24	26	46	45	45	47	47	21	16	12	e12	76
22	25	24	39	42	41	36	34	20	15	15	e12	77
23	24	25	35	40	39	31	29	20	14	e13	e11	34
24	24	35	33	82	37	29	29	19	14	e13	e13	26
25	24	24	31	60	36	50	28	50	14	e18	e13	22
26	23	23	30	89	36	39	37	28	14	e28	e14	19
27	31	22	28	e800	36	47	31	25	14	e45	e16	18
28	51	28	27	e260	55	102	28	85	13	e25	e15	48
29	32	39	27	e140	44	60	54	42	13	e20	e13	41
30	28	27	25	e110	---	49	108	28	13	e18	e12	24
31	27	---	30	264	---	63	---	24	---	e16	e12	---
TOTAL	2549.5	2392	1084	2966	3102	3502	1081	917	599	547.9	481	673
MEAN	82.2	79.7	35.0	95.7	107	113	36.0	29.6	20.0	17.7	15.5	22.4
MAX	1000	504	144	800	860	1200	108	85	66	65	38	77
MIN	9.0	22	21	32	36	29	27	19	13	9.9	11	11
CFSM	2.99	2.90	1.27	3.48	3.89	4.11	1.31	1.08	.73	.64	.56	.82
IN.	3.45	3.24	1.47	4.01	4.20	4.74	1.46	1.24	.81	.74	.65	.91

e Estimated

SUMMARY STATISTICS

FOR 1996 WATER YEAR

ANNUAL TOTAL	19894.4	
ANNUAL MEAN	54.4	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	1200	Mar 7
LOWEST DAILY MEAN	9.0	Oct 1
ANNUAL SEVEN-DAY MINIMUM	11	Jul 8
INSTANTANEOUS PEAK FLOW	unknown	Mar 7
INSTANTANEOUS PEAK STAGE	a14.08	Oct 5
INSTANTANEOUS LOW FLOW	8.4	Oct 2
ANNUAL RUNOFF (CFSM)	1.98	
ANNUAL RUNOFF (INCHES)	26.91	
10 PERCENT EXCEEDS	76	
50 PERCENT EXCEEDS	29	
90 PERCENT EXCEEDS	13	

a Backwater from Chattahoochee River

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of bridge pier on State Highways 74 and 92, 1.4 mi downstream from Deep Creek, 8.5 mi northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.--2,060 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft above sea level (levels by Georgia Department of Transportation).

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydro-electric plant.

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	1680	2260	2980	2410	10500	4560	3730	6480	2700	1440	3680	1570
2	1510	4360	2830	2420	15200	4490	3930	5980	1820	2250	3610	1760
3	2090	5310	2040	2660	23600	2500	3870	5020	1780	2930	2960	2060
4	15200	3620	1970	2280	16400	2130	3660	7160	3550	2900	1820	2990
5	25000	2090	2110	2620	12400	3680	3510	2520	2860	2860	1610	2990
6	21400	1980	2230	2610	10600	11700	4130	4690	3990	2020	6570	2930
7	10600	9200	2730	6540	9740	23300	2760	6180	4030	1460	4530	2830
8	5210	12700	2590	4250	9600	21400	2550	5390	4050	1420	4950	1590
9	2600	7560	5040	3320	9790	14600	3740	4920	4230	3330	4260	1500
10	2210	5220	3240	2840	9770	12500	4210	4990	3450	3860	3990	3570
11	2210	8160	2260	2730	9680	10500	3940	4920	4710	3790	1760	2810
12	2270	8190	2560	4060	9580	10100	3950	2700	4710	3540	5280	2640
13	2310	4040	2440	4700	9470	9920	3890	2070	5570	3560	5260	2490
14	3050	3440	2320	2530	9480	9820	2470	2910	6500	1700	4670	2390
15	3320	2630	2310	2240	9530	9690	2350	3520	4620	1690	4330	1510
16	2270	2730	2290	4370	9450	10300	3560	3270	2030	3290	4210	2000
17	2850	2630	1930	4600	9370	7290	4260	3230	1760	3090	4070	7700
18	2900	2410	1990	4830	9430	4230	4800	3190	2250	3900	2010	3660
19	2850	2090	7330	9180	9100	10900	4900	1990	2690	3150	1760	2970
20	2810	2000	5240	7790	8580	9830	5180	1880	2940	2970	3790	2900
21	2790	2730	3370	3460	7440	9580	6000	3870	2640	1730	3350	3520
22	1930	3380	2760	2460	8030	8990	3980	4130	2740	1570	3300	3850
23	1780	3230	2590	4410	7910	7380	5240	4680	1660	2040	4890	2140
24	1930	3440	2050	6810	7600	2920	5470	4090	1480	1990	4110	2220
25	2090	3300	1990	6630	4450	3040	5250	5170	2530	2200	2470	2230
26	2040	2030	4180	5610	4230	5540	6150	2190	3200	2280	1780	2140
27	2040	1890	5620	20700	4360	6160	6310	2060	2990	2140	2880	2470
28	3860	2830	5180	20800	4940	5950	4180	6850	2740	1670	2880	4130
29	2090	4190	5220	14700	4900	5940	4230	4150	2590	1640	2580	4550
30	1780	3340	5010	11900	---	7960	8500	3170	1540	1850	2550	2130
31	1840	---	2330	12500	---	3840	---	2920	---	2890	2530	---
TOTAL	138510	122980	98730	188960	275130	260740	130700	126290	94350	77150	108440	84240
MEAN	4468	4099	3185	6095	9487	8411	4357	4074	3145	2489	3498	2808
MAX	25000	12700	7330	20800	23600	23300	8500	7160	6500	3900	6570	7700
MIN	1510	1890	1930	2240	4230	2130	2350	1880	1480	1420	1610	1500

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2963	2978	3071	4258	4555	4975	4677	3883	3078	2968	3299	2984
MAX	5518	5397	7946	9123	10370	11230	10720	7434	7393	4746	5606	5258
(WY)	1990	1993	1993	1993	1990	1990	1979	1984	1973	1967	1984	1967
MIN	1721	1706	1367	1482	1707	1698	1668	1431	1318	1583	1630	1654
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	1405360		1706220			
ANNUAL MEAN	3850	†3862	4662	†4736	3641	
HIGHEST ANNUAL MEAN					5240	1990
LOWEST ANNUAL MEAN					1879	1988
HIGHEST DAILY MEAN	25000	Oct 5	25000	Oct 5	36900	Apr 14 1979
LOWEST DAILY MEAN	1360	Sep 11	1420	Jul 8	1000	Jul 1 1970
ANNUAL SEVEN-DAY MINIMUM	1790	Aug 30	1970	Jul 24	1110	Oct 3 1986
INSTANTANEOUS PEAK FLOW			27200	Oct 5	39200	Mar 17 1990
INSTANTANEOUS PEAK STAGE			21.90	Oct 5	25.74	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.87	†1.87	2.26	†2.30	1.77	
ANNUAL RUNOFF (INCHES)	25.38	†25.46	30.81	†31.22	24.01	
10 PERCENT EXCEEDS	7200		9540		6940	
50 PERCENT EXCEEDS	2850		3440		2710	
90 PERCENT EXCEEDS	1840		1960		1540	

† Adjusted for change of contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, March 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1976 to current year.

pH: July 1976 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: July 1976 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen are recorded hourly.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen for periodic samples are by the Environmental Protection Division of the Georgia Department of Natural Resources. Field determinations of Discharge are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 217 microsiemens, Jan. 11, 1988; minimum recorded, 33 microsiemens, July 7, 1976, May 3, 1985.

pH: Maximum recorded, 7.5 units, Nov. 20-23, 1980; minimum recorded, 5.5 units, Aug. 12, Sept. 13, 1978.

WATER TEMPERATURE: Maximum recorded, 32.0°C, June 24, 1981; minimum recorded, 2.5°C, Jan. 12, 1982.

DISSOLVED OXYGEN: Maximum recorded, 13.1 mg/L, Mar. 24, 1977; minimum recorded, 1.6 mg/L, July 26, 1977, Apr. 27, 1988.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 192 microsiemens Jan. 12; minimum recorded, 43 microsiemens Feb. 3.

pH: Maximum, 7.3 units, on several days during Mar. and Apr.; minimum, 6.4 units Mar. 7.

WATER TEMPERATURE: Maximum recorded, 28.5°C, June 24; minimum recorded, 3.0°C, Feb. 4, 5.

DISSOLVED OXYGEN: Maximum recorded, 12.3 mg/L, Feb. 5; minimum recorded, 4.2 mg/L, Aug. 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	PH WATER WHOLE LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
OCT 18...	1350	81341	2480	95	92	7.0	7.0	15.5	23.0	8.6
NOV 08...	1330	81341	12600	53	57	7.0	6.5	14.0	12.0	8.8
DEC 07...	1315	81341	2820	120	118	7.2	6.9	14.0	8.0	8.4
JAN 25...	1330	81341	6950	76	67	7.0	7.0	8.0	8.0	10.4
FEB 14...	1350	81341	9910	59	53	7.1	6.8	6.5	16.0	11.8
MAR 07...	1350	81341	25500	48	44	6.5	6.4	13.0	4.5	8.9
APR 11...	1355	81341	3500	94	90	7.0	6.9	12.5	23.0	--
MAY 23...	1340	81341	5670	78	72	7.0	6.7	18.5	35.0	8.3
JUN 13...	1300	81341	5130	83	77	7.1	6.9	18.0	31.0	8.6
SEP 12...	1300	81341	2640	91	92	6.8	6.8	19.0	26.0	8.1

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L)
OCT 18...	81341	16	16	1.2	310	21	22
NOV 08...	81341	120	23	3.0	13000	13	158
DEC 07...	81341	13	23	3.9	4900	27	26
JAN 25...	81341	70	12	1.7	790	17	73
FEB 14...	81341	8.0	<5	1.1	170	12	22
MAR 07...	81341	210	33	3.3	<10450	9	223
APR 11...	81341	7.0	16	2.7	<65	22	10
MAY 23...	81341	5.0	16	1.7	1300	19	17
JUN 13...	81341	28	24	1.1	<1000	18	43
SEP 12...	81341	17	10	1.4	4900	13	21

DATE	AGENCY COL- LECTING SAMPLE (CODE NUMBER)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	81341	1.02	0.200	0.40	0.60	1.6	0.080	3.0
NOV 08...	81341	0.440	0.090	0.81	0.90	1.3	0.260	5.0
DEC 07...	81341	1.19	0.540	0.56	1.1	2.3	0.140	4.0
JAN 25...	81341	0.570	0.280	0.62	0.90	1.5	<0.020	3.0
FEB 14...	81341	0.340	0.340	0.16	0.50	0.84	0.050	2.0
MAR 07...	81341	0.330	0.140	0.96	1.1	1.4	0.270	6.0
APR 11...	81341	0.750	0.490	0.31	0.80	1.5	0.030	2.0
MAY 23...	81341	0.740	0.140	0.46	0.60	1.3	0.200	3.0
JUN 13...	81341	0.900	0.130	0.47	0.60	1.5	0.070	2.0
SEP 12...	81341	1.53	0.240	0.46	0.70	2.2	0.090	2.0

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	137	96	158	121	121	93	130	110	---	---	94	84
2	146	134	142	81	124	93	124	112	70	45	94	82
3	154	120	96	85	143	120	132	102	49	43	122	88
4	120	53	109	96	134	119	132	116	55	47	131	122
5	---	---	130	109	144	118	120	109	63	53	140	98
6	---	---	135	125	146	124	137	103	67	58	110	55
7	---	---	125	59	131	118	126	77	69	59	55	44
8	98	73	67	59	124	107	105	84	69	59	56	46
9	126	98	76	67	133	81	121	105	69	58	56	51
10	141	126	97	75	106	83	127	107	70	58	64	55
11	145	132	114	63	122	106	136	103	68	57	64	56
12	143	121	82	63	131	110	192	121	67	56	66	57
13	147	123	103	82	141	108	146	92	67	57	67	57
14	140	110	112	95	145	111	120	92	67	56	68	57
15	110	96	127	109	148	111	129	118	67	56	68	56
16	---	---	128	112	144	110	131	85	66	55	72	65
17	---	---	132	108	146	129	94	80	64	56	85	70
18	129	98	142	112	143	127	93	78	64	55	108	85
19	132	95	134	122	127	74	108	66	71	54	88	65
20	136	99	138	129	96	78	75	64	83	70	72	62
21	135	98	145	116	109	93	100	75	91	58	75	58
22	133	120	117	96	129	101	116	100	75	56	75	58
23	144	131	110	95	---	---	124	81	76	56	88	61
24	150	131	105	87	---	---	88	75	76	56	115	88
25	141	125	97	86	---	---	79	67	92	76	128	113
26	146	126	125	93	---	---	---	---	107	78	138	79
27	147	127	135	124	---	---	---	---	97	83	90	74
28	143	95	139	106	---	---	---	---	94	84	100	87
29	128	104	120	96	---	---	---	---	92	85	97	84
30	141	128	115	91	---	---	---	---	---	---	84	61
31	153	136	---	---	---	---	---	---	---	---	108	81
MONTH	154	53	158	59	148	74	192	64	107	43	140	44

[illegible]

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	7.0	7.2	7.1	7.1	7.0	7.0	7.0	---	---	7.0	6.9
2	7.0	7.0	7.1	6.9	7.1	6.9	7.0	7.0	7.0	6.9	7.0	6.9
3	7.0	6.9	7.1	6.9	7.1	7.0	7.1	7.0	7.0	7.0	7.0	6.9
4	6.9	6.5	7.2	7.0	7.0	7.0	7.1	7.1	7.0	7.0	7.0	6.9
5	---	---	7.2	7.2	7.0	7.0	7.2	7.1	7.1	7.0	7.0	7.0
6	---	---	7.2	7.2	7.0	7.0	7.1	7.0	7.1	7.0	7.0	6.6
7	---	---	7.2	6.8	7.0	7.0	7.1	7.0	7.1	7.0	6.6	6.4
8	6.9	6.6	6.9	6.8	7.1	7.0	7.1	7.1	7.1	7.0	6.6	6.5
9	7.0	6.9	7.0	6.9	7.1	7.0	7.2	7.1	7.1	7.0	6.9	6.6
10	7.0	6.9	7.1	7.0	7.1	7.0	7.1	7.1	7.1	7.0	6.9	6.9
11	7.0	7.0	7.1	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9
12	7.1	7.0	7.0	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9
13	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9
14	7.0	6.9	7.1	7.0	7.1	7.1	7.1	7.0	7.1	7.0	7.1	7.0
15	7.1	6.9	7.1	7.1	7.1	7.0	7.1	7.0	7.1	7.0	7.0	7.0
16	---	---	7.2	7.1	7.0	7.0	7.1	7.0	7.1	7.0	7.0	6.9
17	---	---	7.2	7.1	7.1	7.0	7.0	7.0	7.1	7.0	6.9	6.8
18	7.1	7.0	7.2	7.1	7.1	7.1	7.0	7.0	7.1	7.0	6.9	6.8
19	7.1	6.9	7.1	7.0	7.1	6.9	7.0	6.9	7.1	7.0	7.0	6.8
20	7.1	6.9	7.1	7.1	7.1	6.9	7.0	6.9	7.1	7.0	7.0	6.9
21	7.1	7.0	7.1	7.1	7.1	7.0	7.0	7.0	7.0	6.9	7.0	6.9
22	7.1	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	7.0	7.0
23	7.1	7.0	7.1	7.1	---	---	7.1	7.0	7.0	6.9	7.0	6.9
24	7.1	7.0	7.1	7.0	---	---	7.1	7.0	7.0	6.9	7.0	6.9
25	7.1	7.0	7.1	7.0	---	---	7.0	7.0	7.0	6.9	7.1	6.9
26	7.1	7.0	7.1	7.0	---	---	---	---	7.0	6.9	7.3	7.0
27	7.0	7.0	7.1	7.0	---	---	---	---	7.0	6.9	7.1	7.1
28	7.0	6.8	7.1	7.0	---	---	---	---	6.9	6.9	7.2	7.1
29	7.1	7.0	7.2	7.0	---	---	---	---	6.9	6.8	7.2	7.2
30	7.2	7.1	7.1	7.0	---	---	---	---	---	---	7.2	7.1
31	7.2	7.1	---	---	---	---	---	---	---	---	7.2	7.2
MONTH	7.2	6.5	7.2	6.8	7.2	6.9	7.2	6.9	7.1	6.8	7.3	6.4

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	19.0	17.5	15.5	13.5	12.0	11.0	10.5	---	---	10.5	9.0
2	23.5	20.5	18.0	16.5	13.5	12.0	11.5	10.5	7.0	5.5	9.5	8.5
3	24.0	22.0	17.5	16.5	13.5	12.5	12.0	9.5	5.5	4.0	11.5	9.0
4	23.0	19.0	16.5	14.5	15.0	13.0	10.5	9.5	4.0	3.0	12.5	10.5
5	---	---	15.0	14.5	15.5	14.0	10.0	8.5	4.0	3.0	12.5	11.0
6	---	---	14.5	13.5	16.0	14.0	10.5	9.0	5.5	4.0	13.5	11.5
7	---	---	14.5	12.5	15.5	13.0	10.0	6.0	6.0	5.5	13.0	12.0
8	20.0	19.5	14.0	13.0	13.5	12.0	6.5	5.5	7.0	6.0	12.0	9.5
9	21.0	19.5	13.0	12.0	13.0	9.5	6.0	5.0	8.0	7.0	9.5	7.0
10	21.5	20.5	13.5	11.5	9.5	8.0	7.5	6.0	8.0	7.0	7.5	6.5
11	21.5	20.5	14.5	13.5	8.5	8.0	8.0	6.5	8.5	8.0	8.0	7.0
12	21.5	20.0	13.5	12.0	9.0	7.0	8.5	6.0	8.5	7.0	8.5	7.5
13	22.0	20.0	12.0	11.5	10.0	9.0	7.5	6.0	7.0	6.0	9.0	8.0
14	21.5	19.5	12.5	11.5	12.0	10.0	8.5	7.0	7.0	6.5	9.5	8.5
15	19.5	18.0	11.5	10.5	13.5	11.5	10.0	8.0	7.5	7.0	10.0	9.0
16	---	---	11.5	10.5	15.5	13.5	10.5	8.5	7.5	6.0	11.5	9.5
17	---	---	12.0	10.5	14.0	13.5	9.5	8.5	6.0	5.5	13.0	11.5
18	17.5	15.5	13.0	12.0	13.5	12.5	10.5	9.5	6.5	5.5	14.5	13.0
19	18.5	16.0	13.5	12.0	13.0	10.0	11.0	8.5	7.5	6.0	13.5	10.5
20	19.0	17.0	14.0	12.5	11.0	10.0	8.5	6.0	9.0	7.5	10.5	8.5
21	19.0	15.5	14.0	12.5	10.5	9.0	6.5	6.0	9.5	8.5	8.5	7.5
22	17.5	15.5	12.5	11.5	9.5	8.0	7.5	6.5	9.5	8.5	9.0	7.5
23	18.5	16.0	12.5	11.5	---	---	7.5	6.5	9.5	8.0	10.5	8.0
24	19.5	18.0	12.5	11.5	---	---	9.5	7.5	10.0	8.5	13.5	10.5
25	18.5	17.0	12.5	12.0	---	---	9.5	7.5	11.0	10.0	14.0	13.0
26	18.0	17.0	13.0	12.0	---	---	---	---	12.0	11.0	14.0	11.5
27	18.5	17.0	14.5	12.5	---	---	---	---	13.0	12.0	12.0	10.5
28	18.5	16.5	14.5	13.5	---	---	---	---	12.5	12.0	11.0	10.5
29	17.0	16.0	15.5	13.5	---	---	---	---	12.0	10.5	11.5	10.5
30	16.5	16.0	13.5	12.5	---	---	---	---	---	---	11.0	10.0
31	17.0	16.5	---	---	---	---	---	---	---	---	12.0	11.0
MONTH	24.0	15.5	18.0	10.5	16.0	7.0	12.0	5.0	13.0	3.0	14.5	6.5

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

DISSOLVED OXYGEN (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.6	7.7	8.7	8.0	9.7	9.0	9.7	9.2	---	---	10.3	9.9
2	7.7	7.3	8.3	6.7	9.8	9.1	9.6	9.1	11.8	11.1	10.4	10.2
3	7.5	7.1	8.4	7.4	9.3	9.0	9.7	8.7	11.8	11.6	10.3	9.2
4	7.6	6.8	8.7	7.8	9.5	8.8	10.0	9.4	12.2	11.7	9.4	8.9
5	---	---	8.8	8.6	9.0	8.6	10.6	10.0	12.3	12.0	9.9	9.1
6	---	---	9.1	8.8	8.9	8.6	10.3	9.9	12.0	11.7	9.8	8.5
7	---	---	9.2	7.6	8.9	8.3	10.9	9.9	11.7	11.5	9.3	8.8
8	8.3	7.6	9.5	7.2	9.3	8.6	11.3	10.9	11.5	11.2	10.0	9.0
9	7.6	7.2	9.8	9.3	10.1	9.2	11.5	11.1	11.2	11.0	11.4	10.0
10	7.3	7.1	9.8	9.3	10.6	10.0	11.2	10.7	11.3	10.9	11.4	11.2
11	7.4	7.1	9.3	8.5	10.7	10.5	11.0	10.5	11.2	11.0	11.4	11.1
12	7.8	7.2	9.6	8.6	11.1	10.3	10.7	10.3	11.4	10.9	11.3	10.9
13	7.6	7.2	9.8	9.5	10.5	10.1	11.0	10.6	11.5	11.2	11.1	10.7
14	7.4	6.3	9.8	9.5	10.1	9.6	10.9	10.2	11.4	11.1	10.8	10.4
15	7.9	6.0	9.9	9.5	9.6	9.0	10.4	10.0	11.1	10.8	10.7	10.3
16	---	---	10.3	9.7	9.0	8.5	10.7	10.0	11.1	10.6	10.5	9.6
17	---	---	10.2	9.5	8.9	8.6	10.5	10.4	11.4	11.0	9.6	8.5
18	8.9	8.2	9.8	9.2	9.1	8.8	10.5	10.0	11.1	10.9	8.8	7.9
19	8.8	7.9	9.5	8.8	9.6	8.9	10.6	9.0	11.1	10.7	9.5	8.8
20	8.3	7.6	9.1	8.7	9.9	9.6	11.3	10.6	10.7	10.0	10.3	9.4
21	8.4	7.6	9.1	8.6	10.2	9.9	11.2	10.8	10.7	9.8	11.0	10.1
22	8.7	8.1	9.4	9.1	10.4	9.9	10.8	10.7	10.8	10.1	11.1	10.4
23	8.4	8.0	9.5	9.2	---	---	11.1	10.7	10.7	10.1	10.9	10.0
24	8.1	7.9	9.7	9.2	---	---	10.8	9.8	10.6	9.9	10.0	9.0
25	8.4	8.0	9.5	9.3	---	---	10.8	10.0	10.2	9.4	9.0	8.5
26	8.5	8.0	9.4	9.1	---	---	---	---	9.7	9.2	10.0	8.1
27	8.3	7.7	9.3	8.9	---	---	---	---	9.5	9.1	10.2	9.7
28	7.9	7.3	9.4	8.8	---	---	---	---	9.5	9.1	10.0	9.6
29	8.3	7.9	9.0	7.8	---	---	---	---	9.9	9.2	10.1	9.7
30	8.5	8.2	9.4	8.7	---	---	---	---	---	---	10.7	10.1
31	8.3	8.0	---	---	---	---	---	---	---	---	10.1	9.1
MONTH	8.9	6.0	10.3	6.7	11.1	8.3	11.5	8.7	12.3	9.1	11.4	7.9

APALACHICOLA RIVER BASIN

02337320 BEAR CREEK AT STATE HIGHWAY 70 NEAR RICO, GA.

LOCATION.--Lat 33°36'17", long 84°44'54", Fulton County, Hydrologic Unit 03130002, on the downstream end of right main channel pile bent on State Highway 70, 1.2 mi upstream from mouth and 2.0 mi northeast of Rico.

DRAINAGE AREA.--27.5 mi².

PERIOD OF RECORD.--April 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is about 715 ft above sea level (from USGS topographic map).

REMARKS.--Records fair. Return flow above station regulated by City of Palmetto.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	--	--	--	31	24	22	7.9	11
2	--	--	--	--	--	--	--	31	21	38	8.3	11
3	--	--	--	--	--	--	--	29	21	21	8.1	10
4	--	--	--	--	--	--	--	28	20	18	11	9.9
5	--	--	--	--	--	--	--	29	19	17	11	9.6
6	--	--	--	--	--	--	--	27	22	15	11	9.5
7	--	--	--	--	--	--	--	26	19	15	28	8.9
8	--	--	--	--	--	--	--	26	18	15	23	8.8
9	--	--	--	--	--	--	--	25	17	14	18	8.6
10	--	--	--	--	--	--	--	24	17	15	16	8.3
11	--	--	--	--	--	--	--	24	31	14	13	7.9
12	--	--	--	--	--	--	--	23	49	13	14	7.4
13	--	--	--	--	--	--	--	22	37	12	e13	7.8
14	--	--	--	--	--	--	--	22	23	12	13	11
15	--	--	--	--	--	--	--	23	20	12	12	12
16	--	--	--	--	--	--	--	33	19	12	12	9.6
17	--	--	--	--	--	--	--	25	18	12	11	14
18	--	--	--	--	--	--	--	23	17	13	11	9.9
19	--	--	--	--	--	--	--	22	16	13	10	8.3
20	--	--	--	--	--	--	--	22	17	12	15	8.1
21	--	--	--	--	--	--	--	21	16	11	84	7.8
22	--	--	--	--	--	--	--	21	17	12	30	7.7
23	--	--	--	--	--	--	--	21	16	15	19	8.4
24	--	--	--	--	--	--	--	20	17	11	16	10
25	--	--	--	--	--	--	--	20	20	8.2	14	9.1
26	--	--	--	--	--	--	--	20	17	7.0	17	8.9
27	--	--	--	--	--	--	--	19	17	6.4	24	8.4
28	--	--	--	--	--	--	--	21	15	6.6	17	7.9
29	--	--	--	--	--	--	33	20	15	7.6	14	7.7
30	--	--	--	--	--	--	31	19	15	7.8	12	7.4
31	--	--	--	--	--	--	--	20	--	7.9	11	--
TOTAL	--	--	--	--	--	--	--	737	610	415.5	524.3	274.9
MEAN	--	--	--	--	--	--	--	23.8	20.3	13.4	16.9	9.16
MAX	--	--	--	--	--	--	--	33	49	38	84	14
MIN	--	--	--	--	--	--	--	19	15	6.4	7.9	7.4
CFSM	--	--	--	--	--	--	--	.86	.74	.49	.62	.33
IN.	--	--	--	--	--	--	--	1.00	.83	.56	.71	.37

e Estimated

APALACHICOLA RIVER BASIN

02337320 BEAR CREEK AT STATE HIGHWAY 70 NEAR RICO, GA.--Continued

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	7.1	26	30	47	117	41	e54	53	18	e15	e14	e12
2	7.2	128	29	51	812	39	e48	44	18	e13	e16	e14
3	11	143	28	42	923	37	e46	43	18	e12	e14	e16
4	257	62	30	36	210	36	e44	38	17	e11	e12	e20
5	1070	42	29	35	109	36	e46	37	18	e10	e11	e18
6	441	40	31	38	86	244	e54	36	18	e10	e10	e16
7	72	653	62	122	75	1380	e46	27	18	e15	e16	e15
8	40	527	39	69	68	506	e42	27	17	e12	e15	e14
9	32	110	45	53	63	137	e41	27	27	e10	e14	e16
10	28	71	38	48	58	96	e40	21	20	e9.0	e13	e12
11	27	593	34	46	55	76	e39	21	20	e8.0	e16	e12
12	26	257	33	60	52	66	e38	21	18	e8.5	e50	e13
13	27	91	32	48	50	60	e40	20	19	e10	e25	13
14	35	68	32	44	48	55	e40	20	20	e20	e22	11
15	29	52	32	41	47	53	e41	20	18	e30	e20	11
16	23	44	33	40	45	82	e42	20	17	e25	e18	13
17	22	40	31	40	44	65	42	21	17	e20	e16	23
18	22	38	32	44	43	59	40	19	16	e45	e15	13
19	22	37	128	85	42	e100	39	19	15	e25	e14	13
20	23	36	67	59	63	e80	44	19	15	e20	e13	12
21	21	34	48	51	49	e60	53	18	14	e45	e12	45
22	20	31	42	48	45	e50	42	18	14	e30	e11	53
23	21	30	38	46	43	e42	e41	17	e13	e20	e12	22
24	22	33	35	63	41	e40	e40	18	e12	e15	e16	17
25	21	30	34	54	40	e60	38	19	e18	e18	e15	16
26	22	30	33	82	39	e50	e46	18	e15	e30	e17	15
27	25	31	32	1390	39	e65	e43	17	e14	e45	e20	15
28	43	32	31	398	51	e110	e40	33	e13	e20	e18	25
29	25	44	31	131	46	e80	49	24	e12	e15	e16	26
30	23	33	31	101	---	e60	105	19	e12	e12	e15	19
31	23	---	35	260	---	e68	---	18	---	e11	e14	---
TOTAL	2487.3	3386	1205	3672	3403	3933	1363	772	501	589.5	510	540
MEAN	80.2	113	38.9	118	117	127	45.4	24.9	16.7	19.0	16.5	18.0
MAX	1070	653	128	1390	923	1380	105	53	27	45	50	53
MIN	7.1	26	28	35	39	36	38	17	12	8.0	10	11
CFSM	2.92	4.10	1.41	4.31	4.27	4.61	1.65	.91	.61	.69	.60	.65
IN.	3.36	4.58	1.63	4.97	4.60	5.32	1.84	1.04	.68	.80	.69	.73

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	80.2	113	38.9	118	117	127	45.4	24.3	18.5	16.2	16.7	13.6
MAX	80.2	113	38.9	118	117	127	45.4	24.9	20.3	19.0	16.9	18.0
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1995	1996	1995	1996
MIN	80.2	113	38.9	118	117	127	45.4	23.8	16.7	13.4	16.5	9.16
(WY)	1996	1996	1996	1996	1996	1996	1996	1995	1996	1995	1996	1995

SUMMARY STATISTICS	FOR THE PERIOD MAY TO SEP 1995	FOR 1996 WATER YEAR	WATER YEARS 1995 - 1996
ANNUAL TOTAL		22361.8	
ANNUAL MEAN		61.1	61.1
HIGHEST ANNUAL MEAN			61.1 1996
LOWEST ANNUAL MEAN			61.1 1996
HIGHEST DAILY MEAN	84	Apr 21	1390 Jan 27 1996
LOWEST DAILY MEAN	6.4	Jul 27	7.1 Oct 1 1995
ANNUAL SEVEN-DAY MINIMUM		10	Jul 6 1995
INSTANTANEOUS PEAK FLOW	138	Aug 21	1800 Mar 7 1996
INSTANTANEOUS PEAK STAGE	4.57	Aug 21	10.01 Mar 7 1996
INSTANTANEOUS LOW FLOW	5.7	Jul 26	6.8 Oct 1 1995
ANNUAL RUNOFF (CFSM)		2.22	2.22
ANNUAL RUNOFF (INCHES)		30.25	30.19
10 PERCENT EXCEEDS		80	63
50 PERCENT EXCEEDS		32	22
90 PERCENT EXCEEDS		13	11

APALACHICOLA RIVER BASIN

02337445 CHATTAHOOCHEE RIVER AT CAPPS FERRY BRIDGE NEAR RICO, GA.

LOCATION.--Lat 33°34'40", long 84°48'31", Fulton-Douglas County line, Hydrologic Unit 03130002, at bridge on Capps Ferry Road, 0.4 mi upstream from Mill Branch, 2.3 mi west of Rico, and at mile 271.1.

DRAINAGE AREA.--2,270 mi², approximately.

PERIOD OF RECORD.--Water years 1976-77; September 1988, July 1990 to December 1995 (discontinued).

REMARKS.-- Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0600	81213	1600	128	129	6.9	7.0	20.0	14.0	7.5	84
NOV 22...	0500	81341	2900	114	105	--	7.4	12.0	-1.0	8.7	83
DEC 13...	0500	81341	2100	110	104	7.0	7.0	8.0	-1.0	10.8	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	81213	22	1.1	1300	27	260	1.40	0.320	0.080	4.5
NOV 22...	81341	12	1.6	150	25	24	1.27	0.200	0.090	3.0
DEC 13...	81341	15	3.8	2300	23	21	1.22	0.280	0.230	3.0

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, on left bank, on downstream side of former bridge pier, 50 ft upstream from county highway bridge, at Banning Mills, 1.6 mi north of U.S. Highway 27 (ALT), 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.

DRAINAGE AREA.--35.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR GA-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 832.8 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0430	2,360	8.11	Feb. 2	1800	2,300	8.02
Nov. 7	1600	1,130	5.52	Mar. 7	0845	*4,310	*10.84
Jan. 27	0500	3,110	9.26				

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	14	31	40	50	131	67	88	70	39	e23	33	20
2	14	83	39	47	1070	67	81	64	39	e21	34	22
3	28	75	39	44	405	66	77	61	39	e21	33	24
4	244	54	39	40	189	66	75	58	37	e20	32	28
5	875	45	39	39	121	66	73	56	36	e20	28	22
6	146	44	42	43	101	376	81	55	35	e20	27	20
7	76	404	67	70	94	1480	76	53	35	e22	27	19
8	48	174	57	60	90	312	72	52	41	e22	25	18
9	40	86	63	56	85	199	71	51	46	e20	24	26
10	35	65	61	53	79	e140	68	49	40	e19	22	32
11	32	327	55	47	77	e130	68	51	41	e17	22	24
12	30	129	50	56	74	e120	67	53	38	e17	67	21
13	29	82	47	50	72	e115	68	49	36	e19	34	19
14	44	73	44	47	71	e110	67	47	36	e19	27	18
15	36	69	43	46	70	e105	71	47	34	e28	25	18
16	30	64	42	45	70	e100	67	47	33	e34	23	25
17	28	61	42	45	69	e95	64	46	e30	e27	22	36
18	27	58	44	69	69	e90	63	45	e29	e50	21	24
19	26	56	139	120	68	123	63	43	e29	e31	20	20
20	27	52	74	83	87	97	74	43	e50	e29	20	19
21	26	43	58	66	87	88	81	41	e38	e50	19	42
22	24	41	53	58	80	82	70	40	e34	e34	18	45
23	24	40	50	55	75	77	66	39	e31	e28	18	28
24	24	44	47	77	73	76	64	39	e29	e23	21	23
25	23	43	44	70	70	86	62	40	e32	e30	21	21
26	23	42	43	127	69	82	72	38	e31	e40	23	20
27	29	41	42	1250	69	86	64	37	e26	e50	26	21
28	50	41	41	213	69	131	60	85	e25	e40	24	59
29	33	41	39	126	69	103	72	58	e23	e33	21	48
30	29	40	39	98	—	91	95	46	e23	30	20	35
31	30	—	42	214	—	90	—	42	—	27	20	—
TOTAL	2144	2448	1564	3464	3753	4916	2140	1545	1035	864	797	797
MEAN	69.2	81.6	50.5	112	129	159	71.3	49.8	34.5	27.9	25.7	26.6
MAX	875	404	139	1250	1070	1480	95	85	50	50	67	59
MIN	14	31	39	39	68	66	60	37	23	17	18	18
CFSM	1.95	2.30	1.42	3.15	3.65	4.47	2.01	1.40	.97	.79	.72	.75
IN.	2.25	2.57	1.64	3.63	3.93	5.15	2.24	1.62	1.08	.91	.84	.84

e Estimated

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.5	39.1	50.9	71.0	83.2	99.6	90.6	63.8	47.3	42.3	33.3	26.3
MAX	85.4	126	152	173	192	233	219	151	95.7	94.0	96.8	56.8
(WY)	1990	1993	1962	1972	1961	1990	1979	1973	1973	1976	1967	1994
MIN	4.43	11.1	12.8	12.3	31.4	31.5	29.6	22.9	11.7	8.93	6.85	7.19
(WY)	1955	1955	1956	1956	1989	1988	1986	1986	1988	1986	1986	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1954 - 1996	
ANNUAL TOTAL	20728.8		25467		56.3	
ANNUAL MEAN	56.8		69.6		88.2	
HIGHEST ANNUAL MEAN					24.0	
LOWEST ANNUAL MEAN					2640	
HIGHEST DAILY MEAN	875	Oct 5	1480	Mar 7	2.4	Feb 25 1961
LOWEST DAILY MEAN	9.8	Sep 12	14	Oct 1,2	2.7	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	11	Sep 7	19	Jul 8	7690	Sep 23 1954
INSTANTANEOUS PEAK FLOW			4310	Mar 7	14.40	Feb 25 1961
INSTANTANEOUS PEAK STAGE			10.84	Mar 7	b2.3	Feb 25 1961
INSTANTANEOUS LOW FLOW			a13	Oct 1	21.54	Oct 7 1954
ANNUAL RUNOFF (CFSM)	1.60		1.96		92	
ANNUAL RUNOFF (INCHES)	21.72		26.69		40	
10 PERCENT EXCEEDS	86		96		17	
50 PERCENT EXCEEDS	42		45			
90 PERCENT EXCEEDS	15		21			

a Gage height, 1.86 ft.

b Gage height, 1.56 ft.

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1979, February 1990 to August 1990, April 1992, March 1993 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 138 μ S, Aug. 14, 1962; minimum daily, 25 μ S Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34.0°C May 18, 19, 23, 1962; minimum 0.0°C Jan. 20, 1962.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 05...	1010	771	25	--	20.5	21.0	8.8	102
NOV 07...	0930	151	29	6.4	11.5	17.5	9.5	91
DEC 06...	1115	38	27	6.5	12.5	14.0	10.3	99
JAN 17...	1015	45	28	6.6	8.0	12.0	10.8	93
FEB 26...	1000	69	26	6.6	11.0	--	10.9	101
APR 02...	0945	100	24	6.4	9.0	17.0	10.8	95
MAY 06...	1100	59	26	6.3	19.5	28.0	8.5	94
JUN 18...	1345	35	29	6.5	23.5	--	7.3	100
JUL 16...	0915	29	29	6.2	23.0	25.5	8.4	99
AUG 27...	1045	25	30	6.5	22.5	26.0	8.0	95
SEP 24...	1100	25	30	6.7	19.0	21.0	8.7	97

DATE	TUR- BID- ITY (NTU)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 05...	160	0.010	0.100	0.030	1.0	0.30	0.330	0.030	0.030	6.2	5.4
NOV 07...	54	<0.010	0.100	<0.015	0.50	0.30	0.100	0.010	0.010	4.9	1.7
DEC 06...	2.4	<0.010	0.110	<0.015	<0.20	<0.20	0.010	<0.010	<0.010	1.1	0.50
JAN 17...	2.5	<0.010	0.170	<0.015	<0.20	<0.20	0.010	<0.010	<0.010	1.0	0.50
FEB 26...	--	0.010	0.160	<0.015	<0.20	<0.20	0.020	<0.010	0.010	--	--
APR 02...	4.7	<0.010	0.190	<0.015	<0.20	<0.20	0.010	<0.010	<0.010	1.1	0.50
MAY 06...	3.2	<0.010	0.150	0.040	<0.20	<0.20	0.010	<0.010	<0.010	1.1	0.70
JUN 18...	4.5	0.010	0.170	0.040	<0.20	<0.20	0.030	<0.010	0.020	1.2	0.60
JUL 16...	30	<0.010	0.180	0.040	<0.20	<0.20	0.020	<0.010	0.010	2.2	0.90
AUG 27...	7.5	<0.010	0.140	0.020	<0.20	<0.20	<0.010	<0.010	<0.010	1.9	0.80
SEP 24...	4.8	<0.010	0.100	<0.020	<0.20	<0.20	<0.010	<0.010	<0.010	1.5	0.40

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 05...	1010	771	20.5	1300	2710	33
NOV 07...	0930	151	11.5	87	35	86
DEC 06...	1115	38	12.5	4	0.41	--
JAN 17...	1015	45	8.0	3	0.36	--
FEB 26...	1000	69	11.0	6	1.1	--
APR 02...	0945	100	9.0	6	1.6	--
MAY 06...	1100	59	19.5	8	1.3	--
JUL 16...	0915	29	23.0	25	2.0	--
AUG 27...	1045	25	22.5	23	1.6	--
SEP 24...	1100	25	19.0	14	0.95	--

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.
(National Water-Quality Assessment station)

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi upstream from Central of Georgia Railroad bridge, 1.2 mi southeast of Whitesburg, 1.5 mi downstream from Cedar Creek, 2.0 mi downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft above sea level. Prior to May 1, 1949, nonrecording gage at site 1.0 mi upstream at datum 2.00 ft higher. May 1, 1949 to June 30, 1954, nonrecording gage at present site at datum 2.00 ft higher.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--46 years (water years 1939-53, 1966-96), 4,033 ft³/s, 22.54 in/yr.

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	2380	2540	3460	2830	13400	5020	4390	7030	3220	1600	3570	1970
2	1580	3970	3310	3060	17100	4890	4520	6560	2350	1990	4070	1700
3	1910	6430	2440	3190	32300	3730	4650	5720	2100	3030	3300	2230
4	14000	4760	2460	2700	28200	2600	4380	7340	3150	3160	2490	2860
5	28400	2860	2470	3160	16100	3670	4170	4070	3560	3100	1760	3270
6	32300	2430	2630	2850	12900	10900	4690	3990	3860	2490	5600	3080
7	18500	8970	3340	6530	11100	30700	3820	6330	4240	1720	4750	3000
8	6900	18200	3220	5610	10800	34900	3280	5750	4320	1500	4870	2130
9	3650	9500	4460	4200	10700	23200	3980	5290	4010	2760	4440	1560
10	2670	6770	4740	3520	10800	15900	4540	5170	4570	3890	4130	3130
11	2630	9090	2880	3330	10600	12300	4560	5190	4340	3890	2620	3120
12	2680	12700	3030	4230	10500	11400	4490	3920	4840	3670	7960	2990
13	2630	5670	2900	5080	10300	11000	4510	2560	5040	3650	5270	2590
14	2870	4420	2810	3670	10300	10800	3440	2950	7160	2520	4790	2580
15	4220	3470	2750	2740	10300	10600	2950	3790	5130	1660	4360	1860
16	2780	3390	2720	4160	10200	11700	3660	3740	3140	3120	4160	1600
17	3080	3310	2370	4930	10100	9170	4680	3650	2130	3310	4080	6860
18	3210	2950	2360	5050	10200	4810	4940	3560	2390	3910	2810	4630
19	3200	2660	7460	9430	10000	11800	5290	2670	2930	3490	1720	3220
20	3100	2450	6870	9150	9610	11500	5420	2160	3230	3220	3270	3140
21	3110	2820	4340	5250	8010	10600	6670	3360	3060	2360	3510	3300
22	2410	3700	3470	3200	8590	9950	5100	4280	2930	1860	3300	5020
23	1970	3660	3220	4170	8430	8800	5010	4670	2280	2160	4560	2670
24	2100	3760	2620	6710	8270	4450	5960	4430	1700	2200	4130	2550
25	2370	3810	2440	7750	5780	3580	5790	5050	2360	2350	3250	2440
26	2270	2830	3660	6400	4300	5480	5840	3460	3380	2630	1800	2390
27	2290	2220	5680	24500	4760	6930	7260	2360	3270	2610	3070	2440
28	3880	3020	5580	31200	5220	7320	4970	6320	3050	2050	3390	3290
29	2890	4370	5400	22700	5530	6410	4680	5610	2960	1920	2910	5880
30	2110	3970	5430	15100	---	8870	8830	3850	2030	2050	2750	2680
31	2020	---	3530	15300	---	5570	---	3370	---	2660	2720	---
TOTAL	170110	150700	114050	231700	324400	318550	146470	138200	102730	82530	115410	90180
MEAN	5487	5023	3679	7474	11190	10280	4882	4458	3424	2662	3723	3006
MAX	32300	18200	7460	31200	32300	34900	8830	7340	7160	3910	7960	6860
MIN	1580	2220	2360	2700	4300	2600	2950	2160	1700	1500	1720	1560

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3277	3387	3562	5026	5414	6006	5467	4429	3458	3311	3591	3219
MAX	6800	7349	9716	10900	12550	13320	12830	8335	7734	5721	6396	5545
(WY)	1990	1993	1993	1993	1990	1990	1979	1984	1973	1994	1984	1967
MIN	1831	1830	1477	1643	2141	2060	1797	1603	1383	1651	1659	1790
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	1630440		1985030			
ANNUAL MEAN	4467		5424		4177	
HIGHEST ANNUAL MEAN	†4479		†5498		5959	
LOWEST ANNUAL MEAN					2112	
HIGHEST DAILY MEAN	32300		34900		47600	
LOWEST DAILY MEAN	1380		1500		1090	
ANNUAL SEVEN-DAY MINIMUM	1880		2260		1200	
INSTANTANEOUS PEAK FLOW			37300		48700	
INSTANTANEOUS PEAK STAGE			21.96		25.90	
ANNUAL RUNOFF (CFSM)	1.84		†1.84		1.72	
ANNUAL RUNOFF (INCHES)	24.96		†25.03		23.35	
10 PERCENT EXCEEDS	7750		10500		7760	
50 PERCENT EXCEEDS	3380		3770		3150	
90 PERCENT EXCEEDS	2100		2330		1780	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1954, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1539	2418	3474	5199	5729	6846	5200	3691	2853	3137	2578	2118
MAX	3230	9942	7391	12910	10730	14290	9448	6336	5308	5823	4300	5433
(WY)	1950	1949	1949	1946	1946	1952	1944	1946	1949	1948	1940	1949
MIN	564	1009	1405	2347	2127	3072	2658	1410	1225	1496	959	843
(WY)	1942	1942	1940	1942	1941	1941	1941	1941	1941	1952	1951	1941

SUMMARY STATISTICS WATER YEARS 1939 - 1954

ANNUAL MEAN	3740	
HIGHEST ANNUAL MEAN	6221	1949
LOWEST ANNUAL MEAN	2166	1941
HIGHEST DAILY MEAN	57500	Jan 10 1946
LOWEST DAILY MEAN	468	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	498	Oct 21 1941
INSTANTANEOUS PEAK FLOW	a59000	Jan 10 1946
INSTANTANEOUS PEAK STAGE	b25.10	Jan 10 1946
ANNUAL RUNOFF (CFSM)	1.54	
ANNUAL RUNOFF (INCHES)	20.91	
10 PERCENT EXCEEDS	6920	
50 PERCENT EXCEEDS	2730	
90 PERCENT EXCEEDS	1200	

† Adjusted for change in contents in Lake Sidney Lanier.

a From rating extended above 30,000 ft³/s on basis of velocity area and channel capacity studies.

b At site and datum then in use and from graph based on gage readings.

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984.

REMARKS.--Laboratory analyses with the analyzing agency codes 81213 and 82213 are provided by the U.S. Geological Survey. Laboratory analyses with the analyzing agency code 81341 are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0615	81213	2610	117	117	6.9	7.1	20.0	14.0	7.4	83
NOV 22...	0530	81341	3480	113	107	7.0	7.4	11.0	-1.0	9.7	90
DEC 13...	0530	81341	2600	100	94	7.0	7.1	7.0	-1.0	10.4	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	81213	19	1.4	1100	25	160	1.40	0.120	0.080	4.2
NOV 22...	81341	10	1.2	230	26	11	1.49	0.200	0.090	3.0
DEC 13...	81341	15	1.7	700	22	14	1.11	0.190	0.080	2.0

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
NOV						
14...	1415	82213	4730	11.5	54	690
14...	1420	82213	4730	11.5	51	651
JAN						
03...	1145	82213	3260	9.5	21	185
03...	1150	82213	3260	9.5	23	202
FEB						
13...	1212	82213	10300	7.5	99	2750
13...	1217	82213	10300	7.5	81	2250
MAR						
25...	1311	82213	3540	13.5	52	497
25...	1316	82213	3540	13.5	55	526
MAY						
08...	0932	82213	5400	18.0	95	1390
08...	0937	82213	5400	18.0	80	1170
JUN						
17...	1058	82213	2180	27.5	29	171
17...	1103	82213	2180	27.5	27	159
JUL						
22...	1015	82213	1940	25.0	27	141
22...	1020	82213	1940	25.0	24	126
SEP						
10...	1045	82213	3640	23.5	55	541
10...	1050	82213	3640	23.5	61	600

APALACHICOLA RIVER BASIN

02338185 WAHOO CREEK AT WAGERS MILL ROAD NEAR SARGENT, GA.

LOCATION.--Lat 33°26'12", long 84°54'02", Coweta County, Hydrologic Unit 03130002, on the left bank 50 ft downstream from a low-head diversion dam on Wagers Mill Road, 1.8 mi south of Yates Power Plant, 2.5 mi west-northwest of Sargent, 0.8 mi downstream from Cavender Creek and 1.2 mi from mouth.

DRAINAGE AREA.--33.5 mi².

PERIOD OF RECORD.--December 1995 to December 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is about 680 ft above sea level (from topographic map).

REMARKS.--Records fair.

EXTREMES FOR CURRENT PERIOD.--

December 1995 to September 1996: Maximum discharge, 2,670 ft³/s, Jan. 27, gage height, 5.89 ft; minimum, 4.7 ft³/s, July 21.

October 1996 to January 1997: Maximum discharge, 881 ft³/s, Jan. 9, gage height, 4.64 ft; minimum, 16 ft³/s, Oct. 12.

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	---	---	40	67	230	71	92	123	16	e14	24	15
2	---	---	35	85	562	61	78	97	13	e14	21	17
3	---	---	34	65	860	55	68	65	21	e13	20	22
4	---	---	47	53	196	53	62	52	e21	e12	20	20
5	---	---	56	47	127	52	58	47	e30	e12	22	19
6	---	---	68	53	116	713	84	43	29	e11	21	19
7	---	---	139	128	102	1960	93	39	24	e11	19	19
8	---	---	121	121	84	515	74	36	25	e10	18	19
9	---	---	102	107	72	169	64	34	30	e10	17	27
10	---	---	88	79	66	121	57	32	35	e9.5	9.9	29
11	---	---	70	69	59	108	53	31	31	e10	8.3	22
12	---	---	64	93	54	88	51	31	26	10	24	21
13	---	---	61	81	49	76	55	28	24	9.3	11	20
14	---	---	58	67	47	65	60	27	23	8.4	8.9	20
15	---	---	55	59	47	59	61	26	e22	8.6	e9.0	19
16	---	---	54	57	46	66	56	26	e21	e9.0	e9.0	22
17	---	---	51	57	44	73	49	26	e20	e9.0	e9.0	21
18	---	---	60	72	43	72	46	25	e20	8.9	e9.0	20
19	---	---	281	134	43	127	45	24	e19	8.2	e8.5	19
20	---	---	199	116	79	92	61	23	e35	7.6	e8.5	17
21	---	---	126	87	70	73	89	e22	e26	8.6	8.5	35
22	---	---	94	70	57	63	70	e21	e24	7.3	8.2	35
23	---	---	70	64	53	58	57	e20	e22	6.0	8.0	35
24	---	---	58	94	54	55	53	19	e20	8.0	7.3	29
25	---	---	52	99	50	71	47	19	e22	e60	7.0	28
26	---	---	49	127	50	95	72	18	e21	e22	7.3	24
27	---	---	46	1670	50	92	94	17	e18	e36	37	24
28	---	---	44	326	87	161	66	e80	e17	e24	26	33
29	---	---	42	150	95	130	73	69	e16	e21	22	58
30	---	---	40	130	---	120	168	36	e15	19	18	66
31	---	---	44	559	---	98	---	22	---	33	16	---
TOTAL	---	---	2348	4986	3492	5612	2056	1178	686	450.4	462.4	774
MEAN	---	---	75.7	161	120	181	68.5	38.0	22.9	14.5	14.9	25.8
MAX	---	---	281	1670	860	1960	168	123	35	60	37	66
MIN	---	---	34	47	43	52	45	17	13	6.0	7.0	15
CF5M	---	---	2.55	5.42	4.05	6.10	2.31	1.28	.77	.49	.50	.87
IN.	---	---	2.94	6.25	4.37	7.03	2.58	1.48	.86	.56	.58	.97

e Estimated

APALACHICOLA RIVER BASIN

02338185 WAHOO CREEK AT WAGERS MILL ROAD NEAR SARGENT, GA.--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	60	20	104	51	--	--	--	--	--	--	--	--
2	56	27	134	72	--	--	--	--	--	--	--	--
3	29	21	97	63	--	--	--	--	--	--	--	--
4	27	19	63	53	--	--	--	--	--	--	--	--
5	26	19	45	90	--	--	--	--	--	--	--	--
6	26	27	37	90	--	--	--	--	--	--	--	--
7	27	27	34	102	--	--	--	--	--	--	--	--
8	24	79	32	154	--	--	--	--	--	--	--	--
9	17	57	31	--	--	--	--	--	--	--	--	--
10	17	40	31	--	--	--	--	--	--	--	--	--
11	17	30	30	--	--	--	--	--	--	--	--	--
12	17	28	31	--	--	--	--	--	--	--	--	--
13	20	26	38	--	--	--	--	--	--	--	--	--
14	20	26	38	--	--	--	--	--	--	--	--	--
15	20	26	34	--	--	--	--	--	--	--	--	--
16	19	25	29	--	--	--	--	--	--	--	--	--
17	20	25	30	--	--	--	--	--	--	--	--	--
18	21	26	32	--	--	--	--	--	--	--	--	--
19	21	27	32	--	--	--	--	--	--	--	--	--
20	21	27	29	--	--	--	--	--	--	--	--	--
21	20	27	27	--	--	--	--	--	--	--	--	--
22	20	27	28	--	--	--	--	--	--	--	--	--
23	21	27	28	--	--	--	--	--	--	--	--	--
24	20	27	30	--	--	--	--	--	--	--	--	--
25	17	31	32	--	--	--	--	--	--	--	--	--
26	17	34	31	--	--	--	--	--	--	--	--	--
27	19	29	68	--	--	--	--	--	--	--	--	--
28	18	29	84	--	--	--	--	--	--	--	--	--
29	18	29	66	--	--	--	--	--	--	--	--	--
30	19	29	53	--	--	--	--	--	--	--	--	--
31	19	--	45	--	--	--	--	--	--	--	--	--
TOTAL	713	891	1423	--	--	--	--	--	--	--	--	--
MEAN	23.0	29.7	45.9	--	--	--	--	--	--	--	--	--
MAX	60	79	134	--	--	--	--	--	--	--	--	--
MIN	17	19	27	--	--	--	--	--	--	--	--	--
CFSM	.77	1.00	1.55	--	--	--	--	--	--	--	--	--
IN.	.89	1.12	1.78	--	--	--	--	--	--	--	--	--
CAL YR 1996	TOTAL 22723.8		MEAN 62.1		MAX 1960		MIN 6.0		CFSM 2.09		IN. 28.46	

APALACHICOLA RIVER BASIN

02338280 WHOOPING CREEK AT STATE HIGHWAY 5 NEAR WHITESBURG, GA.

LOCATION.--Lat 33°27'40", long 84°59'49", Carroll County, Hydrologic Unit 03130002, on the left bank under bridge on State Highway 5, 6.5 mi southeast of Whitesburg and 2.9 mi upstream from mouth.

DRAINAGE AREA.--26.4 mi².

PERIOD OF RECORD.--October 1994 to December 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is about 660 ft above sea level (from topographic map).

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 1.5 ft³/s was measured Sept. 10, 1954.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	35	39	26	34	132	e41	26	25	11	6.4	7.8
2	28	31	35	25	32	82	e40	26	20	10	6.3	7.3
3	48	30	34	23	32	70	e39	23	18	9.7	6.8	7.1
4	34	29	80	22	33	64	e38	25	16	10	11	7.1
5	26	29	70	20	29	99	e38	25	17	11	9.2	6.7
6	22	31	56	28	26	129	e37	21	18	9.7	9.1	6.5
7	20	29	48	46	27	92	e37	20	17	9.4	13	6.4
8	19	29	44	30	25	684	e36	19	15	8.8	13	6.3
9	21	29	39	28	23	171	e35	19	14	8.2	9.9	6.0
10	34	36	44	26	690	117	e35	19	14	8.4	9.4	5.7
11	28	33	49	25	736	97	e34	18	16	8.1	8.8	5.5
12	47	29	39	25	139	84	e40	17	20	9.0	7.5	5.3
13	58	28	37	26	90	76	e36	17	17	10	6.9	5.4
14	88	28	35	46	73	e70	e35	17	14	9.3	6.5	11
15	61	27	33	44	64	e67	e34	30	13	8.7	6.1	7.8
16	43	27	33	36	107	e65	e33	40	13	7.9	5.7	6.5
17	36	27	33	34	129	e64	e32	28	12	7.9	5.5	11
18	32	26	32	29	245	e63	e31	25	12	8.2	5.3	6.9
19	30	25	30	51	128	e60	e230	28	12	7.1	12	6.2
20	30	25	29	42	95	e58	e170	25	13	6.5	32	5.9
21	31	26	30	35	76	e55	e100	21	12	6.9	11	5.8
22	43	25	34	31	65	e53	e170	20	12	8.0	10	6.5
23	48	25	34	37	61	e50	e130	19	11	6.9	9.5	6.8
24	36	22	31	31	57	e48	e80	18	11	6.4	8.4	6.8
25	33	23	28	28	52	e46	e45	17	12	5.9	8.3	6.3
26	29	32	27	28	50	e44	e40	17	12	6.0	13	6.2
27	27	43	27	29	50	e43	e35	17	12	11	14	5.7
28	26	136	27	66	94	e45	e30	19	11	7.6	11	5.0
29	26	70	26	55	—	e44	27	17	10	7.3	9.1	4.8
30	50	48	25	44	—	e43	26	16	11	6.7	8.4	4.6
31	44	—	25	37	—	e42	—	18	—	6.5	8.0	—
TOTAL	1118	1033	1153	1053	3262	2857	1734	667	430	258.1	301.1	196.9
MEAN	36.1	34.4	37.2	34.0	116	92.2	57.8	21.5	14.3	8.33	9.71	6.56
MAX	88	136	80	66	736	684	230	40	25	11	32	11
MIN	19	22	25	20	23	42	26	16	10	5.9	5.3	4.6
CFSM	1.37	1.30	1.41	1.29	4.41	3.49	2.19	.82	.54	.32	.37	.25
IN.	1.58	1.46	1.62	1.48	4.60	4.03	2.44	.94	.61	.36	.42	.28

e Estimated

APALACHICOLA RIVER BASIN

02338280 WHOOPING CREEK AT STATE HIGHWAY 5 NEAR WHITESBURG, GA.--Continued

SUMMARY STATISTICS FOR 1995 WATER YEAR

ANNUAL TOTAL	14063.1	
ANNUAL MEAN	38.5	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	736	Feb 11
LOWEST DAILY MEAN	4.6	Sep 30
ANNUAL SEVEN-DAY MINIMUM	5.6	Sep 24
INSTANTANEOUS PEAK FLOW	a5090	Feb 10
INSTANTANEOUS PEAK STAGE	10.03	Feb 10
INSTANTANEOUS LOW FLOW	4.5	Sep 30
ANNUAL RUNOFF (CFSM)	1.46	1.46
ANNUAL RUNOFF (INCHES)	19.82	19.83
10 PERCENT EXCEEDS	68	66
50 PERCENT EXCEEDS	27	26
90 PERCENT EXCEEDS	6.9	6.9

a From rating curve extended above 1,100 ft³/s on basis of slope-conveyance study.

APALACHICOLA RIVER BASIN

02338280 WHOOPING CREEK AT STATE HIGHWAY 5 NEAR WHITESBURG, GA.--Continued

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	4.5	11	19	39	125	27	72	59	27	14	16	11
2	4.5	55	19	37	1310	25	71	52	26	13	16	11
3	23	40	19	33	339	22	69	48	27	13	15	12
4	275	22	26	30	155	20	67	46	25	12	19	11
5	1070	15	24	28	114	20	64	43	23	12	16	11
6	95	15	32	32	98	393	69	41	22	12	16	11
7	54	336	52	56	87	1920	67	40	22	12	15	10
8	41	107	36	41	77	195	66	38	28	12	14	9.9
9	34	44	50	37	69	118	59	36	32	13	14	21
10	27	29	40	35	63	96	56	36	26	12	13	17
11	20	417	35	36	60	87	56	36	26	11	13	13
12	18	94	32	45	55	84	55	34	24	11	29	12
13	16	48	30	38	51	76	57	32	23	12	16	11
14	28	35	29	35	50	72	54	33	22	12	14	9.9
15	18	26	28	33	47	71	55	32	20	18	13	9.9
16	15	22	28	34	45	74	53	32	19	15	12	13
17	13	19	28	33	42	70	51	32	19	13	12	15
18	13	18	40	47	39	67	49	29	18	13	12	12
19	12	18	131	81	40	94	46	28	18	12	12	11
20	12	17	66	55	66	72	61	28	32	11	11	10
21	12	17	50	46	46	69	68	26	24	12	11	25
22	11	16	43	42	42	66	58	25	21	13	10	20
23	10	16	38	40	39	63	51	24	19	12	10	13
24	9.7	19	35	74	34	63	53	24	18	11	10	12
25	9.3	17	33	57	32	71	51	24	20	16	11	11
26	8.8	17	31	275	30	69	52	23	19	23	13	11
27	13	17	31	1280	29	72	50	23	16	38	15	11
28	21	19	30	164	39	128	44	90	15	20	13	45
29	12	24	28	110	30	101	66	42	14	17	12	26
30	10	20	27	109	---	82	83	34	14	15	11	18
31	10	---	30	220	---	81	---	30	---	14	12	---
TOTAL	1919.8	1570	1140	3222	3253	4468	1773	1120	659	444	426	433.7
MEAN	61.9	52.3	36.8	104	112	144	59.1	36.1	22.0	14.3	13.7	14.5
MAX	1070	417	131	1280	1310	1920	83	90	32	38	29	45
MIN	4.5	11	19	28	29	20	44	23	14	11	10	9.9
CFSM	2.35	1.98	1.39	3.94	4.25	5.46	2.24	1.37	.83	.54	.52	.55
IN.	2.71	2.21	1.61	4.54	4.58	6.30	2.50	1.58	.93	.63	.60	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.0	43.4	37.0	69.0	114	118	58.4	28.8	18.1	11.3	11.7	17.5
MAX	61.9	52.3	37.2	104	116	144	59.1	36.1	22.0	14.3	13.7	31.6
(WY)	1996	1996	1995	1996	1995	1996	1996	1996	1996	1996	1996	1994
MIN	36.1	34.4	36.8	34.0	112	92.2	57.8	21.5	14.3	8.33	9.71	6.56
(WY)	1995	1995	1996	1995	1996	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	15388.9	20428.5	
ANNUAL MEAN	42.2	55.8	47.2
HIGHEST ANNUAL MEAN			55.8
LOWEST ANNUAL MEAN			38.5
HIGHEST DAILY MEAN	1070	Oct 5	1920
LOWEST DAILY MEAN	4.5	Oct 1,2	4.5
ANNUAL SEVEN-DAY MINIMUM	5.0	Sep 26	10
INSTANTANEOUS PEAK FLOW			a9330
INSTANTANEOUS PEAK STAGE			12.82
INSTANTANEOUS LOW FLOW			4.5
ANNUAL RUNOFF (CFSM)	1.60		2.11
ANNUAL RUNOFF (INCHES)	21.68		28.79
10 PERCENT EXCEEDS	74		78
50 PERCENT EXCEEDS	22		28
90 PERCENT EXCEEDS	6.8		12
			9.7

a From rating curve extended above 1,100 ft³/s on basis of slope-conveyance study.

b Sep 30 and Oct 1, 2, 1995

APALACHICOLA RIVER BASIN

02338280 WHOOPING CREEK AT STATE HIGHWAY 5 NEAR WHITESBURG, GA.--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	17	15	146	25	---	---	---	---	---	---	---	---
2	18	30	59	25	---	---	---	---	---	---	---	---
3	17	17	36	22	---	---	---	---	---	---	---	---
4	14	15	27	20	---	---	---	---	---	---	---	---
5	14	15	23	32	---	---	---	---	---	---	---	---
6	13	15	20	25	---	---	---	---	---	---	---	---
7	13	16	20	46	---	---	---	---	---	---	---	---
8	15	107	18	57	---	---	---	---	---	---	---	---
9	13	37	17	---	---	---	---	---	---	---	---	---
10	13	24	16	---	---	---	---	---	---	---	---	---
11	11	19	16	---	---	---	---	---	---	---	---	---
12	11	17	17	---	---	---	---	---	---	---	---	---
13	11	16	20	---	---	---	---	---	---	---	---	---
14	11	15	17	---	---	---	---	---	---	---	---	---
15	11	14	16	---	---	---	---	---	---	---	---	---
16	11	14	16	---	---	---	---	---	---	---	---	---
17	11	14	27	---	---	---	---	---	---	---	---	---
18	15	15	20	---	---	---	---	---	---	---	---	---
19	14	16	18	---	---	---	---	---	---	---	---	---
20	12	14	16	---	---	---	---	---	---	---	---	---
21	11	15	15	---	---	---	---	---	---	---	---	---
22	11	17	15	---	---	---	---	---	---	---	---	---
23	12	15	14	---	---	---	---	---	---	---	---	---
24	12	14	17	---	---	---	---	---	---	---	---	---
25	12	20	16	---	---	---	---	---	---	---	---	---
26	12	25	15	---	---	---	---	---	---	---	---	---
27	16	18	39	---	---	---	---	---	---	---	---	---
28	15	17	34	---	---	---	---	---	---	---	---	---
29	15	16	29	---	---	---	---	---	---	---	---	---
30	15	16	25	---	---	---	---	---	---	---	---	---
31	15	---	22	---	---	---	---	---	---	---	---	---
TOTAL	411	618	806	---	---	---	---	---	---	---	---	---
MEAN	13.3	20.6	26.0	---	---	---	---	---	---	---	---	---
MAX	18	107	146	---	---	---	---	---	---	---	---	---
MIN	11	14	14	---	---	---	---	---	---	---	---	---
CFSM	.50	.78	.98	---	---	---	---	---	---	---	---	---
IN.	.58	.87	1.14	---	---	---	---	---	---	---	---	---

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	37.1	35.8	33.3	69.0	114	118	58.4	28.8	18.1	11.3	11.7	17.5
MAX	61.9	52.3	37.2	104	116	144	59.1	36.1	22.0	14.3	13.7	31.6
(WY)	1996	1996	1995	1996	1995	1996	1996	1996	1996	1996	1996	1994
MIN	13.3	20.6	26.0	34.0	112	92.2	57.8	21.5	14.3	8.33	9.71	6.56
(WY)	1997	1997	1997	1995	1996	1995	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR THE PERIOD OCT 1996 TO JAN 1997

WATER YEARS 1994 - 1997

ANNUAL TOTAL	17633.7											
ANNUAL MEAN	48.2									47.2		
HIGHEST ANNUAL MEAN										55.8		1996
LOWEST ANNUAL MEAN										38.5		1995
HIGHEST DAILY MEAN	1920	Mar 7				146	Dec 1			1920	Mar7 1996	
LOWEST DAILY MEAN	9.9	Sep 8				11	Oct 11-17,21,22			4.5	Oct1 1995	
ANNUAL SEVEN-DAY MINIMUM	11	Aug 19								5.0	Sep 26 1995	
INSTANTANEOUS PEAK FLOW						681	Jan 9			a9330	Mar 7 1996	
INSTANTANEOUS PEAK STAGE						5.09	Jan 9			12.82	Mar 7 1996	
INSTANTANEOUS LOW FLOW						11	Oct 15-17			4.5	b	
ANNUAL RUNOFF (CFSM)	1.82									1.79		
ANNUAL RUNOFF (INCHES)	24.85									24.28		
10 PERCENT EXCEEDS	72									70		
50 PERCENT EXCEEDS	22									25		
90 PERCENT EXCEEDS	12									10		

a From rating curve extended above 1,100 ft³/s on basis of slope-conveyance study.

APALACHICOLA RIVER BASIN

02338314 PLANT WANSLEY OUTFALL NEAR GLENLOCH, GA.

LOCATION.--Lat 33°24'20", long 85°01'58", Heard County, Hydrologic Unit 03130002, at the downstream end of foot-bridge and at the upstream end of the outfall structure of the retention pond at Plant Wansley, 0.2 mi upstream from mouth, and 3 mi east of Glenloch.

DRAINAGE AREA.--25.5 mi².

PERIOD OF RECORD.--April 1995 to December 1996 (discontinued).

GAGE.--Water-stage recorder and concrete control. Datum of gage is about 660 ft above mean sea level (from USGS topographic map).

REMARKS.--Records good to fair, except those for the periods of estimated daily discharge, which are fair to poor. Flow regulated by Plant Wansley operations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	16	12	14	11	13
2	---	---	---	---	---	---	---	15	13	15	11	15
3	---	---	---	---	---	---	---	18	12	11	12	14
4	---	---	---	---	---	---	---	13	12	12	10	15
5	---	---	---	---	---	---	---	14	13	12	11	14
6	---	---	---	---	---	---	---	14	13	11	11	15
7	---	---	---	---	---	---	---	15	12	11	9.5	16
8	---	---	---	---	---	---	---	14	14	12	9.9	17
9	---	---	---	---	---	---	---	12	14	12	11	20
10	---	---	---	---	---	---	---	13	12	12	11	20
11	---	---	---	---	---	---	---	13	15	11	11	18
12	---	---	---	---	---	---	---	12	11	12	12	18
13	---	---	---	---	---	---	---	13	11	11	11	17
14	---	---	---	---	---	---	---	12	14	12	11	20
15	---	---	---	---	---	---	---	12	13	13	17	21
16	---	---	---	---	---	---	---	12	13	13	13	22
17	---	---	---	---	---	---	---	12	15	12	14	26
18	---	---	---	---	---	---	---	15	12	14	14	19
19	---	---	---	---	---	---	---	16	12	14	35	21
20	---	---	---	---	---	---	---	16	13	15	26	21
21	---	---	---	---	---	---	---	16	13	10	16	21
22	---	---	---	---	---	---	---	14	12	13	15	21
23	---	---	---	---	---	---	---	16	12	16	20	21
24	---	---	---	---	---	---	---	14	11	13	58	19
25	---	---	---	---	---	---	---	15	12	12	13	20
26	---	---	---	---	---	---	---	20	11	12	13	18
27	---	---	---	---	---	---	---	12	11	14	12	16
28	---	---	---	---	---	---	16	15	11	12	13	17
29	---	---	---	---	---	---	15	13	11	11	13	18
30	---	---	---	---	---	---	15	12	11	11	11	18
31	---	---	---	---	---	---	---	15	---	11	12	---
TOTAL	---	---	---	---	---	---	---	439	371	384	467.4	551
MEAN	---	---	---	---	---	---	---	14.2	12.4	12.4	15.1	18.4
MAX	---	---	---	---	---	---	---	20	15	16	58	26
MIN	---	---	---	---	---	---	---	12	11	10	9.5	13
CFSM	---	---	---	---	---	---	---	.56	.48	.49	.59	.72
IN.	---	---	---	---	---	---	---	.64	.54	.56	.68	.80

APALACHICOLA RIVER BASIN

02338314 PLANT WANSLEY OUTFALL NEAR GLENLOCH, GA.--Continued

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	16	24	18	24	21	17	17	e17	19	9.9	17	15
2	17	33	18	25	67	18	17	20	16	9.5	18	13
3	30	20	18	19	27	18	18	19	15	9.3	20	14
4	58	20	21	11	26	17	20	e18	17	8.8	20	20
5	52	30	19	10	46	17	20	e18	19	10	18	15
6	16	45	27	12	40	79	17	e19	17	14	18	9.6
7	18	58	25	15	26	73	17	e18	18	15	16	12
8	19	23	24	14	30	21	20	e19	16	20	16	9.8
9	18	22	25	14	33	19	20	e23	17	22	16	11
10	16	25	20	13	30	18	20	e22	19	22	17	12
11	15	60	15	13	32	16	20	e22	20	22	25	13
12	12	19	15	14	29	17	23	23	26	19	20	13
13	12	20	14	18	26	16	27	e23	23	10	14	11
14	33	20	14	15	26	17	22	e20	21	9.8	15	11
15	17	24	15	14	20	19	19	17	20	21	15	13
16	15	21	18	16	17	18	18	e15	19	19	16	17
17	17	18	13	18	17	20	18	18	18	19	16	12
18	20	19	24	23	18	20	17	20	12	21	20	14
19	20	23	26	20	35	19	e19	20	10	21	17	18
20	18	22	14	18	29	15	e28	22	10	25	14	16
21	16	24	13	16	20	19	e20	20	10	22	15	18
22	15	19	17	17	20	23	e22	16	9.7	19	14	17
23	22	20	16	21	25	25	e18	16	9.7	19	14	17
24	24	21	15	25	26	28	e19	16	12	20	11	18
25	25	20	19	20	23	24	20	16	12	15	14	18
26	25	20	17	56	24	24	22	15	12	14	13	11
27	24	22	16	45	25	22	17	18	16	14	14	17
28	21	23	14	25	26	18	e19	23	10	15	11	17
29	19	20	14	23	23	18	e21	17	9.4	14	13	19
30	21	19	13	30	---	17	e14	17	10	13	13	20
31	20	---	19	33	---	18	---	19	---	14	12	---
TOTAL	671	754	556	637	807	710	589	586	462.8	506.3	492	441.4
MEAN	21.6	25.1	17.9	20.5	27.8	22.9	19.6	18.9	15.4	16.3	15.9	14.7
MAX	58	60	27	56	67	79	28	23	26	25	25	20
MIN	12	18	13	10	17	15	14	15	9.4	8.8	11	9.6
CFSM	.85	.99	.70	.81	1.09	.90	.77	.74	.60	.64	.62	.58
IN.	.98	1.10	.81	.93	1.18	1.04	.86	.85	.68	.74	.72	.64

e Estimated

SUMMARY STATISTICS

FOR THE PERIOD APR TO SEP 1995

FOR 1996 WATER YEAR

ANNUAL TOTAL

7212.5

ANNUAL MEAN

19.7

HIGHEST DAILY MEAN

58

Aug 24

79

Mar 6

LOWEST DAILY MEAN

9.5

Aug 7

8.8

Jul 4

ANNUAL SEVEN-DAY MINIMUM

9.6

Jun 28

INSTANTANEOUS PEAK FLOW

a332

Aug 24

a461

Mar 7

INSTANTANEOUS PEAK STAGE

21.90

Aug 24

22.02

Mar 7

INSTANTANEOUS LOW FLOW

b8.6

Jul 24,25

c8.2

Jun 30,Jul 4

ANNUAL RUNOFF (CFSM)

.77

ANNUAL RUNOFF (INCHES)

10.52

10 PERCENT EXCEEDS

26

50 PERCENT EXCEEDS

18

90 PERCENT EXCEEDS

13

a From rating curve extended above 49 ft³/s

b Gage height, 20.87 ft

c Gage height, 20.86 ft

APALACHICOLA RIVER BASIN

02338314 PLANT WANSLEY OUTFALL NEAR GLENLOCH, GA.--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	16	14	30	27	--	--	--	--	--	--	--	--
2	17	14	16	26	--	--	--	--	--	--	--	--
3	17	14	25	24	--	--	--	--	--	--	--	--
4	19	13	24	24	--	--	--	--	--	--	--	--
5	17	13	14	25	--	--	--	--	--	--	--	--
6	20	13	13	23	--	--	--	--	--	--	--	--
7	21	17	21	22	--	--	--	--	--	--	--	--
8	23	30	21	30	--	--	--	--	--	--	--	--
9	21	20	18	--	--	--	--	--	--	--	--	--
10	18	19	18	--	--	--	--	--	--	--	--	--
11	17	17	18	--	--	--	--	--	--	--	--	--
12	19	16	17	--	--	--	--	--	--	--	--	--
13	22	18	17	--	--	--	--	--	--	--	--	--
14	22	17	19	--	--	--	--	--	--	--	--	--
15	19	17	17	--	--	--	--	--	--	--	--	--
16	16	16	15	--	--	--	--	--	--	--	--	--
17	14	18	15	--	--	--	--	--	--	--	--	--
18	15	19	13	--	--	--	--	--	--	--	--	--
19	14	20	16	--	--	--	--	--	--	--	--	--
20	14	20	9.3	--	--	--	--	--	--	--	--	--
21	14	20	8.6	--	--	--	--	--	--	--	--	--
22	13	17	12	--	--	--	--	--	--	--	--	--
23	12	16	14	--	--	--	--	--	--	--	--	--
24	14	17	15	--	--	--	--	--	--	--	--	--
25	14	20	14	--	--	--	--	--	--	--	--	--
26	19	15	15	--	--	--	--	--	--	--	--	--
27	16	17	30	--	--	--	--	--	--	--	--	--
28	12	19	27	--	--	--	--	--	--	--	--	--
29	11	17	26	--	--	--	--	--	--	--	--	--
30	13	16	26	--	--	--	--	--	--	--	--	--
31	12	--	25	--	--	--	--	--	--	--	--	--
TOTAL	511	519	568.9	--	--	--	--	--	--	--	--	--
MEAN	16.5	17.3	18.4	--	--	--	--	--	--	--	--	--
MAX	23	30	30	--	--	--	--	--	--	--	--	--
MIN	11	13	8.6	--	--	--	--	--	--	--	--	--
CFSM	.65	.68	.72	--	--	--	--	--	--	--	--	--
IN.	.75	.76	.83	--	--	--	--	--	--	--	--	--

STATISTICS OF MONTHLY MEAN DATA FOR THE PERIOD MAY 1995 TO DEC 1996

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	19.1	21.2	18.1	20.5	27.8	22.9	19.6	16.5	13.9	14.4	15.5	16.5
MAX	21.6	25.1	18.4	20.5	27.8	22.9	19.6	18.9	15.4	16.3	15.9	18.4
(WY)	1996	1996	1997	1996	1996	1996	1996	1996	1996	1996	1996	1995
MIN	16.5	17.3	17.9	20.5	27.8	22.9	19.6	14.2	12.4	12.4	15.1	14.7
(WY)	1997	1997	1996	1996	1996	1996	1996	1995	1995	1995	1995	1996

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR THE PERIOD OCT 1996 TO JAN 1997

ANNUAL TOTAL	6830.4											
ANNUAL MEAN	18.7											
HIGHEST DAILY MEAN	79	Mar 6				30		a				
LOWEST DAILY MEAN	8.6	Dec 21				8.6		Dec 21				
ANNUAL SEVEN-DAY MINIMUM	9.6	Jun 28										
INSTANTANEOUS PEAK FLOW							b183	Nov 7				
INSTANTANEOUS PEAK STAGE							21.70	Nov 7				
INSTANTANEOUS LOW FLOW							c6.9	Dec 20				
ANNUAL RUNOFF (CFSM)	.73											
ANNUAL RUNOFF (INCHES)	9.96											
10 PERCENT EXCEEDS	25											
50 PERCENT EXCEEDS	18											
90 PERCENT EXCEEDS	12											

a Nov 8, Dec 1 27, and Jan 8

b From rating curve extended above 49 ft³/s

c Gage height, 20.82 ft

APALACHICOLA RIVER BASIN

02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27 NEAR FRANKLIN, GA.

LOCATION.--Lat 33°18'40", long 85°06'18", Heard County, Hydrologic Unit 03130002, on the left upstream pier of bridge on US Highway 27, 2.0 mi north of Franklin, 4.1 mi downstream from Deer Creek, and 1.9 mi from mouth.

DRAINAGE AREA.--57.7 mi².

PERIOD OF RECORD.--October 1994 to December 1996 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is about 640 ft above sea level (from topographic map).

REMARKS.--Records fair, except for the periods of estimated daily discharge, the period of December 1994 to January 1995, and the period of December 1995 to January 1996, which are fair to poor. Diversions upstream from station for municipal supply.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 5.4 ft³/s was measured October 11, 1954.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	74	115	92	95	e250	e115	63	102	27	e10	12
2	73	68	106	88	e92	e195	e110	63	58	28	e8.5	13
3	104	65	111	85	e90	e170	e110	59	49	27	e7.5	12
4	85	66	254	82	e80	e150	e110	61	43	27	e16	11
5	72	69	212	84	e74	e165	e110	63	44	50	e15	11
6	68	78	162	112	e72	e265	e110	56	49	27	e15	10
7	64	69	135	162	e70	e215	e110	55	47	24	e14	10
8	62	65	121	103	e69	e950	e105	53	41	22	e36	8.9
9	65	68	113	96	e68	e440	e105	54	37	22	e18	9.3
10	201	78	128	94	e340	e270	e100	54	37	25	e16	8.9
11	119	74	143	95	e980	e200	e105	52	59	21	e15	8.1
12	222	68	115	96	e265	e165	e95	50	57	20	e12	8.5
13	240	64	108	93	e180	e155	e90	50	42	e18	e11	8.4
14	175	64	106	124	e150	e145	e80	51	36	e16	e10	26
15	125	63	104	113	e130	e150	e80	49	34	e16	11	34
16	100	65	107	96	e440	e145	e70	52	33	e15	10	17
17	84	64	110	92	e420	e140	e70	50	32	e15	9.9	40
18	81	62	106	91	e590	e140	e70	47	31	e16	9.2	21
19	76	61	96	180	e300	e140	e750	55	33	e14	12	15
20	78	61	93	124	e210	e135	e550	48	36	e13	35	14
21	76	63	95	100	e170	e130	e360	46	32	e13	19	14
22	87	60	116	96	e150	e125	e270	43	32	e15	16	15
23	89	57	118	105	e140	e125	e220	41	32	e14	13	18
24	75	58	103	95	e135	e125	e130	39	31	e12	12	19
25	70	59	95	91	e130	e120	e90	39	32	e11	12	17
26	68	70	91	92	e125	e120	e72	39	30	e14	29	18
27	65	105	90	94	e120	e125	e68	38	34	e14	29	16
28	65	397	91	167	e180	e125	e66	42	28	e14	18	16
29	66	209	91	129	---	e120	62	39	28	e13	15	15
30	106	142	93	106	---	e120	61	44	28	e13	14	14
31	88	---	92	96	---	e115	---	68	---	e12	13	---
TOTAL	3013	2566	3620	3273	5865	5935	4444	1563	1207	588	481.1	460.1
MEAN	97.2	85.5	117	106	209	191	148	50.4	40.2	19.0	15.5	15.3
MAX	240	397	254	180	980	950	750	68	102	50	36	40
MIN	62	57	90	82	68	115	61	38	28	11	7.5	8.1
CFSM	1.71	1.51	2.06	1.86	3.69	3.38	2.61	.89	.71	.33	.27	.27
IN.	1.98	1.68	2.38	2.15	3.85	3.89	2.92	1.03	.79	.39	.32	.30

e Estimated

SUMMARY STATISTICS

FOR 1995 WATER YEAR

ANNUAL TOTAL	33015.2	
ANNUAL MEAN	90.5	
HIGHEST ANNUAL MEAN		
LOWEST ANNUAL MEAN		
HIGHEST DAILY MEAN	980	Feb 11
LOWEST DAILY MEAN	7.5	Aug 3
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 7
INSTANTANEOUS PEAK FLOW	unknown	Feb 11
INSTANTANEOUS PEAK STAGE	unknown	Feb 11
ANNUAL RUNOFF (CFSM)	1.60	
ANNUAL RUNOFF (INCHES)	21.66	
10 PERCENT EXCEEDS	165	
50 PERCENT EXCEEDS	68	
90 PERCENT EXCEEDS	14	

APALACHICOLA RIVER BASIN

02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27 NEAR FRANKLIN, GA.--Continued

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	14	37	41	66	e250	93	167	107	56	36	33	23
2	15	143	39	67	e1900	92	152	96	54	36	38	37
3	40	106	38	57	e1000	91	153	91	55	31	30	42
4	712	65	53	44	e240	92	154	88	57	29	47	28
5	e2700	52	50	44	e280	91	152	87	61	30	32	26
6	e280	59	61	56	e150	1330	169	82	54	32	30	26
7	e150	e900	91	80	e150	e2400	127	78	53	30	28	23
8	e100	e360	43	51	e150	e460	118	75	61	28	26	22
9	67	e160	56	49	e140	e280	112	73	63	29	29	29
10	56	106	44	44	e140	e250	109	72	53	29	27	43
11	46	e1000	39	50	e140	e230	109	e80	52	26	28	29
12	40	e300	35	67	e130	e220	109	74	49	24	65	24
13	42	e160	35	54	e120	208	125	e68	47	23	35	23
14	72	130	38	51	e125	187	122	e70	56	24	27	21
15	50	99	42	49	e120	e170	134	69	52	32	26	20
16	42	89	47	54	e115	e160	114	67	46	39	26	27
17	39	79	47	56	e110	e145	112	67	45	34	24	37
18	37	76	72	72	e120	e130	111	67	43	83	21	26
19	34	76	400	136	e120	318	121	65	45	37	20	21
20	35	72	116	84	e200	247	151	62	88	33	22	23
21	36	70	77	70	e120	153	183	60	53	89	22	91
22	34	61	64	62	e110	132	148	58	44	62	18	62
23	33	58	57	65	e100	121	127	57	41	34	17	34
24	32	67	54	136	e90	104	125	57	40	27	19	27
25	29	59	54	90	88	138	118	56	46	34	20	23
26	29	58	53	270	89	129	170	54	47	41	23	22
27	40	59	50	e2200	86	162	120	52	39	49	55	28
28	80	62	45	e500	123	364	104	208	37	48	33	111
29	40	63	44	e400	99	240	126	89	37	43	27	64
30	35	46	48	e300	---	188	155	67	36	34	22	43
31	34	---	52	e1200	---	201	---	59	---	29	23	---
TOTAL	4993	4672	1985	6524	6605	9126	3997	2355	1510	1155	893	1055
MEAN	161	156	64.0	210	228	294	133	76.0	50.3	37.3	28.8	35.2
MAX	2700	1000	400	2200	1900	2400	183	208	88	89	65	111
MIN	14	37	35	44	86	91	104	52	36	23	17	20
CFSM	2.84	2.75	1.13	3.71	4.02	5.19	2.35	1.34	.89	.66	.51	.62
IN.	3.28	3.07	1.30	4.28	4.33	5.99	2.62	1.55	.99	.76	.59	.69

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	129	121	90.4	158	219	243	141	63.2	45.3	28.1	22.2	46.2
MAX	161	156	117	210	228	294	148	76.0	50.3	37.3	28.8	88.0
(WY)	1996	1996	1995	1996	1996	1996	1995	1996	1996	1996	1996	1994
MIN	97.2	85.5	64.0	106	209	191	133	50.4	40.2	19.0	15.5	15.3
(WY)	1995	1995	1996	1995	1995	1995	1996	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1994 - 1996

ANNUAL TOTAL	35466.2	44870	107
ANNUAL MEAN	97.2	123	123
HIGHEST ANNUAL MEAN			1996
LOWEST ANNUAL MEAN			1995
HIGHEST DAILY MEAN	2700	Oct 5	2700
LOWEST DAILY MEAN	7.5	Aug 3	7.5
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 7	8.9
INSTANTANEOUS PEAK FLOW			a5500
INSTANTANEOUS PEAK STAGE			18.53
ANNUAL RUNOFF (CFSM)	1.71		1.88
ANNUAL RUNOFF (INCHES)	23.27		25.53
10 PERCENT EXCEEDS	165		169
50 PERCENT EXCEEDS	53		64
90 PERCENT EXCEEDS	14		19

a From rating curve extended above 2900 ft³/s.

APALACHICOLA RIVER BASIN

02338400 CENTRALHATCHEE CREEK AT US HIGHWAY 27 NEAR FRANKLIN, GA.--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	39	35	312	60	---	---	---	---	---	---	---	---
2	39	52	113	61	---	---	---	---	---	---	---	---
3	37	40	59	53	---	---	---	---	---	---	---	---
4	33	37	48	50	---	---	---	---	---	---	---	---
5	30	35	43	71	---	---	---	---	---	---	---	---
6	29	36	41	59	---	---	---	---	---	---	---	---
7	31	37	41	83	---	---	---	---	---	---	---	---
8	34	273	38	182	---	---	---	---	---	---	---	---
9	28	65	35	---	---	---	---	---	---	---	---	---
10	26	45	32	---	---	---	---	---	---	---	---	---
11	27	37	33	---	---	---	---	---	---	---	---	---
12	27	36	34	---	---	---	---	---	---	---	---	---
13	29	36	44	---	---	---	---	---	---	---	---	---
14	26	33	36	---	---	---	---	---	---	---	---	---
15	26	31	33	---	---	---	---	---	---	---	---	---
16	27	30	32	---	---	---	---	---	---	---	---	---
17	26	31	63	---	---	---	---	---	---	---	---	---
18	32	32	44	---	---	---	---	---	---	---	---	---
19	34	34	43	---	---	---	---	---	---	---	---	---
20	29	29	39	---	---	---	---	---	---	---	---	---
21	29	30	37	---	---	---	---	---	---	---	---	---
22	29	32	36	---	---	---	---	---	---	---	---	---
23	30	28	35	---	---	---	---	---	---	---	---	---
24	31	29	40	---	---	---	---	---	---	---	---	---
25	29	36	40	---	---	---	---	---	---	---	---	---
26	32	54	38	---	---	---	---	---	---	---	---	---
27	39	36	94	---	---	---	---	---	---	---	---	---
28	34	31	76	---	---	---	---	---	---	---	---	---
29	37	30	70	---	---	---	---	---	---	---	---	---
30	34	31	61	---	---	---	---	---	---	---	---	---
31	33	---	56	---	---	---	---	---	---	---	---	---
TOTAL	966	1321	1746	---	---	---	---	---	---	---	---	---
MEAN	31.2	44.0	56.3	---	---	---	---	---	---	---	---	---
MAX	39	273	312	---	---	---	---	---	---	---	---	---
MIN	26	28	32	---	---	---	---	---	---	---	---	---
CFSM	.55	.78	.99	---	---	---	---	---	---	---	---	---
IN.	.63	.87	1.15	---	---	---	---	---	---	---	---	---

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	96.5	95.1	79.0	158	219	243	141	63.2	45.3	28.1	22.2	46.2
MAX	161	156	117	210	228	294	148	76.0	50.3	37.3	28.8	88.0
(WY)	1996	1996	1995	1996	1996	1996	1995	1996	1996	1996	1996	1994
MIN	31.2	44.0	56.3	106	209	191	133	50.4	40.2	19.0	15.5	15.3
(WY)	1997	1997	1997	1995	1995	1995	1996	1995	1995	1995	1995	1995

SUMMARY STATISTICS

FOR 1996 CALENDAR YEAR

FOR PERIOD OCT 1996 TO JAN 1997

WATER YEARS 1994 - 1997

ANNUAL TOTAL	37253		
ANNUAL MEAN	102		
HIGHEST ANNUAL MEAN			107
LOWEST ANNUAL MEAN			123
HIGHEST DAILY MEAN	2400	Mar 7	1996
LOWEST DAILY MEAN	17	Aug 23	1995
ANNUAL SEVEN-DAY MINIMUM	20	Aug 19	1995
INSTANTANEOUS PEAK FLOW			2700
INSTANTANEOUS PEAK STAGE			7.5
ANNUAL RUNOFF (CFSM)	1.80		Oct 5 1995
ANNUAL RUNOFF (INCHES)	24.44		Oct 5 1995
10 PERCENT EXCEEDS	161		18.53
50 PERCENT EXCEEDS	50		162
90 PERCENT EXCEEDS	26		60
			21

a From rating curve extended above 2900 ft³/s

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, on the upstream side of bridge on U.S. Highway 27, 0.2 mi southwest of Franklin, 1 mi downstream from Centralhatchee Creek, 2 mi upstream from Hillabahatchee Creek and at mile 235.5.

DRAINAGE AREA.--2,680 mi², approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--

Discharge: June 1928 to October 1931, October 1938 to September 1939, and October 1957 to September 1959.

Continuous gage-height: October 1994 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 623.86 ft above sea level (from US Army Corp of Engineers). June 5, 1928 to October 31, 1931, non-recording gage at site 250 ft downstream at datum 0.25 ft lower, October 1, 1938 to September 30, 1939, non-recording gage at site 500 ft downstream and same datum, October 1, 1957 to September 30, 1959, non-recording gage at same site and datum.

REMARKS.--Gage is in pool of West Point Lake formed by dam at mile 201.4 since October 1974. Flow regulated by Lake Sidney Lanier since January 1956 (see "Lakes and Reservoirs in Apalachicola River Basin", station 02334400).

AVERAGE DISCHARGE.--6 years (water years 1929-31, 1939, 1958-59), 4,160 ft³/s, 21.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,000 ft³/s, March 15, 1929, gage height, 22.7 ft, from rating curve extended above 36,000 ft³/s on basis of peak flow at stations Chattahoochee River near Norcross, Ga. and Chattahoochee River at West Point, Ga.; maximum recorded gage height, 25.32 ft, Oct. 6, 1995; minimum, 448 ft³/s, October 29, 1931, observed gage height, 3.32 ft, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1919 reached a stage of 28.4 ft, from floodmarks, discharge 105,000 ft³/s, from rating curve extended above 36,000 ft³/s on basis of peak flow at stations Chattahoochee River near Norcross, Ga. and Chattahoochee River at West Point, Ga.

EXTREMES FOR CURRENT PERIOD.--

Water Year 1995: Maximum recorded gage height, 14.33 ft, Sept. 15 (probably was higher during the period of no gage-height record Feb. 18-20); minimum recorded, 6.33 ft, Sept. 12.

Water Year 1996: Maximum recorded gage height, 25.32 ft, Oct. 6 (may have been higher during periods of missing gage height record March 7-9); minimum recorded, 6.96 ft, Oct. 3.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.32	12.15	12.12	9.17	10.99	---	---	12.33	10.31	12.05	8.59	---
2	12.50	12.08	11.63	8.22	---	---	---	12.20	10.25	12.25	9.11	---
3	12.64	11.84	11.36	8.18	---	---	---	12.41	9.96	11.81	9.29	---
4	12.91	11.62	11.68	8.27	---	---	---	12.32	10.01	11.63	9.44	---
5	12.60	11.57	11.92	8.50	---	---	---	12.29	9.03	11.83	9.50	---
6	12.38	11.73	11.44	9.08	---	---	---	12.36	9.07	11.81	9.43	---
7	12.14	11.78	11.51	10.41	---	---	---	12.49	9.86	11.73	8.69	---
8	12.06	11.73	11.30	10.37	---	---	---	12.57	9.93	11.75	8.73	---
9	12.24	11.67	10.96	8.57	---	---	---	12.65	9.89	11.92	9.42	---
10	12.37	11.56	10.90	8.36	---	---	---	12.76	9.94	11.69	9.65	---
11	12.29	11.64	11.30	8.78	---	---	---	12.74	9.92	11.23	9.40	8.40
12	12.22	11.74	10.83	8.70	---	---	---	12.70	9.86	11.07	9.22	8.35
13	12.82	11.83	10.41	8.67	---	---	---	12.80	10.81	10.77	9.08	8.32
14	13.14	11.87	10.53	9.07	---	---	---	12.73	10.22	10.57	8.29	9.07
15	13.35	11.73	10.38	11.52	---	---	---	12.48	10.03	10.38	8.29	13.19
16	13.22	11.58	10.22	9.78	---	---	---	12.30	10.00	10.45	8.41	10.85
17	13.12	11.55	10.13	9.14	---	---	---	12.18	10.00	10.20	8.78	9.96
18	12.90	11.52	9.67	9.18	---	---	---	11.94	10.08	9.94	9.02	8.90
19	12.76	11.48	8.67	10.14	---	---	---	11.65	10.12	9.84	8.85	8.32
20	12.62	11.67	8.59	10.89	---	---	---	11.60	10.11	9.65	8.93	9.86
21	12.47	11.65	9.44	10.65	---	---	---	11.72	10.24	9.48	9.64	9.83
22	12.56	11.33	9.75	9.72	---	---	---	11.64	10.28	9.45	8.98	9.87
23	13.05	11.10	9.84	8.50	---	---	---	11.43	10.31	9.34	8.78	9.97
24	12.99	10.85	9.70	9.13	---	---	---	11.48	10.31	9.13	8.48	9.91
25	12.65	10.54	9.24	10.91	---	---	---	11.40	10.46	8.94	8.49	8.01
26	12.41	10.44	8.26	10.88	---	---	---	10.94	10.64	8.94	8.50	7.62
27	12.53	11.29	8.25	10.86	---	---	---	10.61	10.75	9.04	11.60	9.01
28	12.05	11.79	9.15	11.38	---	---	12.19	10.44	10.96	9.05	10.58	8.94
29	11.81	13.80	9.45	12.81	---	---	12.06	10.33	10.97	9.05	8.94	8.91
30	12.06	12.91	9.44	9.85	---	---	12.25	9.93	11.13	8.99	8.31	8.70
31	12.35	---	9.45	9.66	---	---	---	10.14	---	8.77	8.25	---
MEAN	12.57	11.67	10.24	9.66	---	---	---	11.86	10.18	10.41	9.05	---
MAX	13.35	13.80	12.12	12.81	---	---	---	12.80	11.13	12.25	11.60	---
MIN	11.81	10.44	8.25	8.18	---	---	---	9.93	9.03	8.77	8.25	---

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.--Continued

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	8.54	11.74	9.94	--	--	--	12.06	--	11.96	11.13	9.45	8.99
2	7.18	11.91	9.77	--	--	--	12.02	--	12.06	10.99	9.90	8.65
3	7.21	12.99	9.66	--	--	--	12.04	--	11.92	11.07	9.55	8.89
4	12.54	12.69	9.49	--	--	--	11.85	--	11.63	11.06	9.28	8.91
5	22.75	12.60	9.08	--	--	--	11.61	--	11.67	11.00	8.61	9.42
6	--	12.49	8.97	--	--	--	11.80	--	11.31	10.99	9.68	9.26
7	--	13.76	9.38	--	--	--	12.09	--	11.41	10.98	10.92	9.18
8	--	18.21	9.34	--	15.08	--	11.87	--	11.49	10.90	10.49	9.05
9	--	16.06	9.32	--	15.02	--	11.62	--	11.65	10.62	10.48	8.49
10	--	14.29	11.04	--	15.07	--	11.76	--	12.13	10.81	10.16	8.86
11	--	14.74	9.35	--	14.97	--	11.79	--	11.65	10.80	9.85	9.52
12	--	17.42	8.99	--	14.86	--	11.55	--	11.92	10.66	11.81	9.17
13	--	14.49	8.92	--	14.82	--	11.61	--	11.92	10.55	11.23	8.84
14	--	13.29	8.78	--	--	--	11.66	--	12.67	10.42	10.93	8.71
15	--	12.75	8.61	--	--	--	11.62	--	12.41	9.82	10.54	8.52
16	--	12.10	8.56	--	--	--	11.46	12.39	12.16	9.77	10.30	8.20
17	12.71	11.50	8.50	--	--	--	11.84	12.29	11.87	9.94	10.29	10.01
18	12.64	11.09	8.35	--	--	--	11.91	12.30	11.70	9.98	10.07	11.30
19	12.53	11.04	11.14	12.69	--	14.39	12.25	12.48	11.67	10.00	9.14	9.35
20	12.42	10.89	12.97	13.96	--	15.75	12.30	12.40	11.61	9.65	9.31	9.16
21	12.39	10.75	10.88	11.99	--	14.83	13.03	12.21	11.49	9.50	9.90	9.26
22	12.50	10.76	10.16	9.69	--	14.60	13.07	12.26	11.37	9.07	9.70	10.68
23	12.37	10.68	9.87	9.51	--	14.24	12.61	12.26	11.50	8.80	10.06	9.53
24	12.14	10.50	9.40	11.23	--	12.70	12.96	12.45	11.40	8.76	10.44	8.83
25	11.93	10.54	8.89	12.85	--	11.42	12.94	12.52	11.25	8.84	10.23	8.77
26	11.74	10.55	8.84	12.10	--	11.62	12.84	12.67	11.34	8.96	9.44	8.70
27	11.57	10.20	10.59	19.45	--	12.60	13.51	12.15	11.31	8.99	9.35	8.61
28	11.82	9.98	10.96	22.01	--	13.45	13.42	12.60	11.21	8.88	9.75	9.17
29	12.11	10.36	10.61	21.33	--	12.75	13.12	13.44	11.15	8.67	9.40	11.14
30	12.01	10.45	10.69	17.95	--	13.42	13.99	12.40	11.23	8.57	9.15	9.96
31	11.82	--	--	18.29	--	13.37	--	12.06	--	8.64	9.06	--
MEAN	--	12.36	--	--	--	--	12.27	--	11.67	9.96	9.95	9.24
MAX	--	18.21	--	--	--	--	13.99	--	12.67	11.13	11.81	11.30
MIN	--	9.98	--	--	--	--	11.46	--	11.15	8.57	8.61	8.20

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	GAGE HEIGHT (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0750	81213	12.63	103	103	6.9	6.9	20.0	14.0	7.4	83
NOV 22...	0700	81341	12.82	115	108	6.8	--	10.0	-1.0	9.6	87
DEC 13...	0630	81341	12.52	103	98	6.9	7.0	7.0	-1.0	11.2	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 11...	81213	28	1.0	790	21	42
NOV 22...	81341	9.0	<1.0	70	24	12
DEC 13...	81341	14	1.4	200	21	15

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	81213	1.10	0.060	--	--	--	0.080	4.6
NOV 22...	81341	1.58	0.110	0.29	0.40	2.0	0.060	3.0
DEC 13...	81341	1.21	0.150	0.35	0.50	1.7	0.080	2.0

APALACHICOLA RIVER BASIN

02338530 HILLABAHCREEK CREEK NEAR FRANKLIN, GA.

LOCATION.--Lat 33°16'50", long 85°07'10", Heard County, Hydrologic Unit 03130002, at bridge on State Highway 34, 2.8 mi above mouth, 2 mi upstream of Talieson Creek, and 0.4 mi west of Franklin.

DRAINAGE AREA.--75.9 mi².

PERIOD OF RECORD.--April 1995 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DISCHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	PH WATER WHOLE LAB (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT 11...	0715	81213	74	38	37	6.7	6.9	18.0	14.0	8.7	94
NOV 22...	0630	81341	97	35	33	7.0	7.3	8.0	-1.0	10.2	88
DEC 13...	0600	81341	124	34	33	7.0	6.7	5.0	-1.0	11.6	92
JAN 03...	1015	81341	134	33	32	6.7	6.7	11.0	4.0	10.4	97
FEB 15...	0800	81341	225	27	26	6.7	6.6	10.0	12.0	11.0	101
MAR 14...	0730	81341	255	27	25	6.7	6.5	11.0	7.0	10.5	97
APR 11...	0700	81341	205	28	26	6.8	6.3	10.0	0.0	10.7	97
MAY 16...	0700	81341	162	31	29	6.9	6.5	18.0	15.0	8.3	89
JUN 13...	0700	81341	113	32	30	6.9	6.6	21.0	18.0	7.7	88
JUL 08...	0705	81341	75	33	32	7.0	6.7	24.0	22.0	7.1	87
AUG 15...	0700	81341	72	35	34	6.9	7.0	22.0	20.0	7.4	86
SEP 12...	0650	81341	69	36	37	6.9	6.7	22.0	19.0	7.4	87

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS TOTAL (MG/L AS CaCO3)	ALKALINITY WAT WH TOT FET LAB (MG/L AS CaCO3)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	81213	12	0.8	790	--	14	230	0.050	0.050	0.060	1.4
NOV 22...	81341	6.0	<1.0	230	24	13	11	0.070	0.030	<0.020	1.0
DEC 13...	81341	4.0	<1.0	110	16	10	7	0.070	<0.030	<0.020	<1.0
JAN 03...	81341	5.0	<1.0	220	10	11	7	0.060	0.040	<0.020	1.0
FEB 15...	81341	6.0	<1.0	140	--	8	9	0.060	<0.030	<0.020	<1.0
MAR 14...	81341	9.0	<1.0	<20	--	6	5	0.090	<0.030	<0.020	2.0
APR 11...	81341	5.0	1.1	80	--	9	13	0.050	<0.030	<0.020	<1.0
MAY 16...	81341	4.0	<1.0	230	--	10	12	0.110	<0.030	<0.020	<1.0
JUN 13...	81341	8.0	<1.0	80	--	12	14	0.090	<0.030	<0.020	<1.0
JUL 08...	81341	7.0	<1.0	330	--	12	4	0.080	<0.030	<0.020	<1.0
AUG 15...	81341	19	<1.0	130	--	15	7	0.080	<0.030	<0.020	2.0
SEP 12...	81341	13	<1.0	130	--	13	6	0.120	0.080	<0.020	2.0

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.

LOCATION.--Lat 33°14'07", long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on State Highway 100, 1.7 mi downstream of Caney Creek, 2.5 mi west of Corinth, 3.9 mi downstream of Mountain Creek, and 8.1 mi upstream of Chattahoochee River.

DRAINAGE AREA.--127 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

REVISED RECORDS.--WDR GA-90-1: 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft above sea level.

REMARKS.--Records good to fair. Daily water temperature record available for water years 1979-84.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	0300	1,930	9.75	Feb. 3	1400	2,910	10.80
Jan. 27	2200	*6,090	13.49	Mar. 7	2400	5,310	12.76
Jan. 31	2400	2,440	10.33				

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	14	111	110	189	1640	177	308	378	78	27	88	26
2	14	198	103	221	874	158	263	201	69	25	91	27
3	21	386	99	190	2260	148	223	158	66	24	71	33
4	470	334	112	155	1060	140	205	140	64	21	53	32
5	1370	186	137	134	593	136	193	131	73	19	46	27
6	1500	140	131	134	486	561	223	122	73	18	45	25
7	538	310	299	319	429	3840	285	113	62	18	47	22
8	197	1010	300	424	385	3050	219	104	65	19	42	20
9	127	903	252	252	344	809	185	94	73	18	39	20
10	102	368	238	189	300	545	168	88	79	16	37	41
11	86	476	171	164	266	436	159	87	65	15	37	51
12	76	1240	149	235	236	368	154	94	60	14	56	37
13	71	789	139	219	212	318	155	85	58	17	55	29
14	211	394	131	165	210	283	173	80	58	61	44	24
15	300	274	126	147	199	256	171	80	56	47	38	20
16	160	207	123	137	184	247	162	78	52	44	34	22
17	112	174	142	135	173	271	140	79	49	37	31	32
18	94	155	164	152	169	276	132	77	47	31	28	36
19	84	143	667	397	169	387	132	75	46	27	26	30
20	78	134	973	382	268	381	152	71	43	23	24	24
21	73	127	482	236	267	266	240	68	42	27	21	25
22	69	120	277	186	202	227	189	64	40	50	19	102
23	65	115	215	166	181	203	152	61	37	44	17	97
24	63	120	178	293	171	189	147	60	35	33	18	51
25	62	121	157	418	156	218	135	57	34	52	24	39
26	60	113	147	294	153	310	156	53	51	148	23	32
27	69	108	137	3290	154	270	210	50	52	158	21	29
28	236	107	130	2740	186	471	150	99	41	154	22	54
29	225	121	123	763	246	469	142	162	35	125	27	109
30	121	122	121	533	---	325	408	135	30	100	25	89
31	100	---	124	1300	---	296	---	96	---	86	24	---
TOTAL	6768	9106	6657	14559	12173	16031	5731	3240	1633	1498	1173	1205
MEAN	218	304	215	470	420	517	191	105	54.4	48.3	37.8	40.2
MAX	1500	1240	973	3290	2260	3840	408	378	79	158	91	109
MIN	14	107	99	134	153	136	132	50	30	14	17	20
CFSM	1.72	2.39	1.69	3.70	3.31	4.07	1.50	.82	.43	.38	.30	.32
IN.	1.98	2.67	1.95	4.26	3.57	4.70	1.68	.95	.48	.44	.34	.35

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	70.3	137	178	214	309	294	235	128	84.4	98.2	65.2	55.3
MAX	222	622	502	510	672	653	786	383	249	406	213	174
(WY)	1990	1993	1984	1990	1990	1990	1979	1991	1980	1994	1984	1994
MIN	14.1	25.2	65.8	67.2	116	104	70.6	46.8	12.3	4.18	8.49	7.92
(WY)	1982	1982	1989	1981	1989	1988	1986	1986	1988	1986	1988	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1979 - 1996	
ANNUAL TOTAL	58215.1		79774			
ANNUAL MEAN	159		218		155	
HIGHEST ANNUAL MEAN					241	
LOWEST ANNUAL MEAN					80.4	
HIGHEST DAILY MEAN	2340		Feb 11		7740	
LOWEST DAILY MEAN	3.9		Aug 19		.24	
ANNUAL SEVEN-DAY MINIMUM	5.7		Jul 28		.64	
INSTANTANEOUS PEAK FLOW			6090		10000	
INSTANTANEOUS PEAK STAGE			13.49		17.17	
ANNUAL RUNOFF (CFSM)	1.26		1.72		1.22	
ANNUAL RUNOFF (INCHES)	17.05		23.37		16.57	
10 PERCENT EXCEEDS	303		395		311	
50 PERCENT EXCEEDS	104		127		90	
90 PERCENT EXCEEDS	12		26		20	

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT											
11...	0815	81213	88	91	91	6.8	7.0	18.0	15.0	8.5	92
NOV											
22...	0730	81341	121	85	80	6.9	7.2	7.0	-1.0	10.2	86
DEC											
13...	0700	81341	140	78	75	7.0	6.8	4.0	-1.0	11.8	91
JAN											
03...	1050	81341	193	73	71	6.8	6.6	9.0	4.0	9.7	86
FEB											
15...	0830	81341	201	57	54	6.8	6.7	10.0	12.0	9.5	87
MAR											
14...	0800	81341	288	49	48	6.7	6.7	10.0	7.0	9.5	86
APR											
11...	0730	81341	159	61	56	6.9	7.1	10.0	0.0	9.8	88
MAY											
16...	0720	81341	77	86	80	7.0	6.9	19.0	15.0	8.0	88
JUN											
13...	0730	81341	57	88	--	7.2	7.0	21.0	18.0	7.2	83
JUL											
08...	0740	81341	18	107	103	7.2	7.0	24.0	22.0	6.1	75
AUG											
15...	0730	81341	38	113	111	6.8	7.3	22.0	20.0	6.8	79
SEP											
12...	0710	81341	39	163	157	7.2	7.1	21.0	19.0	7.0	81

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
11...	81213	9.6	0.7	460	--	21	310	0.120	0.010	<0.020	4.2
NOV											
22...	81341	7.0	<1.0	70	22	20	5	0.290	<0.030	0.020	4.0
DEC											
13...	81341	6.0	<1.0	110	16	17	7	0.300	0.060	0.020	2.0
JAN											
03...	81341	9.0	1.0	170	16	15	6	0.260	<0.030	0.020	2.0
FEB											
15...	81341	13	<1.0	<40	--	12	6	0.250	<0.030	<0.020	2.0
MAR											
14...	81341	21	<1.0	<0	--	14	14	0.370	<0.030	0.030	3.0
APR											
11...	81341	8.0	<1.0	<45	--	17	11	0.190	<0.030	<0.020	2.0
MAY											
16...	81341	13	<1.0	170	--	25	13	0.230	<0.030	<0.020	2.0
JUN											
13...	81341	14	<1.0	<510	--	28	15	0.190	<0.030	<0.020	2.0
JUL											
08...	81341	11	<1.0	220	--	32	9	0.110	<0.030	<0.020	2.0
AUG											
15...	81341	11	<1.0	490	--	33	8	0.230	<0.030	<0.020	2.0
SEP											
12...	81341	11	<1.0	1300	--	31	12	0.300	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at the City of LaGrange water intake, 1.2 mi upstream from Yellowjacket Creek, and 5.3 mi northwest of LaGrange.

DRAINAGE AREA.--3,010 mi², approximately.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier (see "Lakes and Reservoirs in Apalachicola River Basin", station 02334400). Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0930	54	51	6.4	6.5	20.0	16.0	7.8	87
NOV 22...	0900	77	73	6.8	7.1	10.0	1.0	10.4	94
DEC 13...	0800	98	94	7.0	7.1	8.0	3.0	11.4	97
JAN 03...	1145	71	72	7.0	6.9	8.0	5.0	11.2	98
FEB 15...	0930	59	56	7.0	6.8	10.0	13.0	10.5	96
MAR 14...	0850	54	52	6.8	6.6	10.0	11.0	10.5	95
APR 11...	0900	82	78	7.0	6.5	13.0	5.0	9.7	94
MAY 16...	0840	73	69	7.1	6.9	22.0	19.0	7.5	87
JUN 13...	0845	90	87	7.6	8.1	26.0	23.0	6.9	87
JUL 08...	0830	101	99	7.8	7.5	27.5	24.0	6.2	81
AUG 15...	0830	96	96	7.9	8.7	26.0	21.0	6.9	87
SEP 12...	0800	103	102	8.6	8.7	25.0	19.0	7.0	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 11...	56	1.4	130	11	36
NOV 22...	24	1.1	20	17	13
DEC 13...	11	1.4	460	21	9
JAN 03...	12	1.9	80	16	9
FEB 15...	14	<1.0	130	12	11
MAR 14...	28	1.2	170	7	19
APR 11...	11	2.4	50	17	14
MAY 16...	5.0	<1.0	<20	22	5
JUN 13...	3.0	2.2	<20	18	5
JUL 08...	3.0	1.4	<20	21	5
AUG 15...	2.0	2.5	<20	20	2
SEP 12...	2.0	2.4	<20	22	21

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	0.350	0.090	0.51	0.60	0.95	0.100	6.0
NOV 22...	0.660	0.070	0.33	0.40	1.1	0.060	4.0
DEC 13...	1.00	0.100	0.30	0.40	1.4	0.060	3.0
JAN 03...	0.690	0.100	0.20	0.30	0.99	0.050	2.0
FEB 15...	0.450	0.180	0.12	0.30	0.75	0.040	2.0
MAR 14...	0.440	0.120	0.28	0.40	0.84	0.060	3.0
APR 11...	0.810	0.110	0.29	0.40	1.2	<0.020	2.0
MAY 16...	0.620	<0.030	0.40	0.40	1.0	0.030	2.0
JUN 13...	0.720	<0.030	0.50	0.50	1.2	<0.020	3.0
JUL 08...	0.720	0.100	0.40	0.50	1.2	0.030	3.0
AUG 15...	0.940	<0.030	0.60	0.60	1.5	<0.020	3.0
SEP 12...	1.11	<0.030	0.60	0.60	1.7	0.030	3.0

APALACHICOLA RIVER BASIN

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.

LOCATION.--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mi downstream of Flat Creek, 6.9 mi upstream of Beech Creek, and 5.8 mi southwest of Hogansville.

DRAINAGE AREA.--91.0 mi².

PERIOD OF RECORD.--April 1995 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1978 to September 1982.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 11...	0830	81213	74	55	56	6.8	6.9	18.0	16.0	9.0	97
NOV 22...	0800	81341	88	53	50	6.9	7.3	7.0	-1.0	10.2	86
DEC 13...	0730	81341	96	52	49	7.0	6.8	4.0	-1.0	11.8	91
JAN 03...	1115	81341	220	45	44	6.9	6.6	9.0	4.0	9.4	84
FEB 15...	0850	81341	390	45	43	6.9	6.6	10.0	12.0	11.1	102
MAR 14...	0815	81341	195	41	40	6.7	6.6	10.0	9.0	11.0	99
APR 11...	0800	81341	115	47	45	6.9	6.5	9.0	0.0	10.6	94
MAY 16...	0750	81341	60	56	53	7.1	6.8	18.0	15.0	8.2	88
JUN 13...	0750	81341	49	56	53	7.2	7.0	21.0	18.0	7.0	80
JUL 08...	0750	81341	19	67	65	7.3	7.1	24.0	22.0	6.2	76
AUG 15...	0745	81341	28	64	64	7.3	7.3	21.0	20.0	7.0	80
SEP 12...	0730	81341	37	64	65	7.3	7.2	21.0	19.0	7.0	81

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	81213	20	0.6	130	--	21	42	0.090	0.020	<0.020	3.6
NOV 22...	81341	12	<1.0	80	20	35	10	0.120	<0.030	<0.020	2.0
DEC 13...	81341	9.0	<1.0	110	18	19	13	0.150	0.040	0.020	2.0
JAN 03...	81341	23	1.0	490	16	15	26	0.150	0.030	0.030	2.0
FEB 15...	81341	16	<1.0	330	--	14	12	0.170	0.080	<0.020	<1.0
MAR 14...	81341	28	<1.0	110	--	14	22	0.170	<0.030	0.030	2.0
APR 11...	81341	15	1.2	130	--	17	13	0.120	<0.030	<0.020	<1.0
MAY 16...	81341	23	<1.0	230	--	23	17	0.160	<0.030	<0.020	2.0
JUN 13...	81341	22	<1.0	490	--	21	22	0.170	<0.030	0.030	2.0
JUL 08...	81341	15	<1.0	330	--	27	9	0.130	<0.030	<0.020	2.0
AUG 15...	81341	17	<1.0	80	--	27	13	0.130	<0.030	<0.020	2.0
SEP 12...	81341	17	<1.0	490	--	26	19	0.090	<0.030	<0.020	2.0

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.
DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1896 to current year. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft above sea level. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974 (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400).

AVERAGE DISCHARGE.--100 years, 5,609 ft³/s, 21.45 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmarks, by National Weather Service, discharge, 92,800 ft³/s.

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	836	4870	7580	3940	26800	13500	8220	8660	1120	3650	5090	e900
2	2930	4880	1060	6570	26700	4570	7990	9200	1110	3650	5060	e5650
3	3000	4910	1060	6500	27500	4550	8000	8650	7740	3660	929	e5650
4	1580	1100	8820	6650	29600	9530	7970	4620	7760	3670	923	e4250
5	7510	1070	8990	6570	32200	9390	7960	4590	7770	3660	5710	e4250
6	14900	6100	9020	1180	32100	6850	1350	8280	7780	995	5760	e4250
7	9040	6140	10500	4300	31000	25100	1290	7330	7810	996	5700	e900
8	8360	11700	10600	9450	5960	38000	8570	8390	1110	5680	5700	e900
9	8340	16000	1350	9260	11700	38200	8670	7270	1130	5680	5730	e4250
10	8250	16000	1240	9260	12300	33400	8720	7200	6420	5630	943	e4250
11	8340	10800	7580	9320	12900	23900	8670	3890	6440	5640	936	e4250
12	2930	15200	7660	9400	10300	19200	8690	3880	6430	5730	5770	5720
13	2850	19400	7540	9250	10200	17100	1270	7130	6410	4960	5730	5750
14	1060	13800	7680	9490	10400	17100	1280	5810	6410	4990	5650	2910
15	1070	12300	7710	4930	10200	14700	7290	5820	1060	6360	5630	2930
16	4840	12400	1170	4620	10200	6390	6040	5860	1060	6350	5610	4430
17	4820	12500	1140	4610	10300	14600	5980	5790	5000	6410	909	4550
18	4790	3710	4570	4660	10200	15100	5960	1150	5040	6450	908	4500
19	4780	3600	5340	8150	16700	15400	9030	1150	5000	6350	4230	4460
20	4740	4870	5460	8120	17000	15300	1370	6440	5010	2970	4290	4460
21	995	7340	4720	8020	17000	15300	1340	6430	5010	2680	4260	895
22	996	7430	4550	10700	17000	14200	7880	7010	1030	6320	e4250	988
23	5370	7470	9000	10900	17100	12200	7930	4040	1010	5630	e4250	5010
24	5410	7390	9020	11200	4520	11900	7960	3760	4310	5760	e900	3610
25	5390	1150	9070	11300	3570	11800	7960	4330	4310	6110	e900	3610
26	5420	1060	9050	11100	13000	12100	7960	3740	4410	5970	e8600	4340
27	5430	7520	9100	11900	13100	12200	1380	7730	4330	1010	e8000	3620
28	1120	7560	9110	19600	13400	12600	4320	8170	4320	968	e6300	962
29	1110	7590	9220	22200	13800	8030	10200	8210	994	3690	e5100	1100
30	4820	7640	1140	26400	---	1430	10800	7840	987	5120	e5100	3740
31	4840	---	1150	26700	---	7750	---	7800	---	5070	e900	---
TOTAL	145867	243500	191200	306250	466750	461390	192050	190170	128321	141809	129768	107085
MEAN	4705	8117	6168	9879	16090	14880	6402	6135	4277	4574	4186	3569
MAX	14900	19400	10600	26700	32200	38200	10800	9200	7810	6450	8600	5750
MIN	836	1060	1060	1180	3570	1430	1270	1150	987	968	900	895

e Estimated

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1996, BY WATER YEAR (WY)

MEAN	3768	4407	5429	6602	7985	8445	7760	5618	4504	4366	4392	3864
MAX	8536	10950	14880	14930	18980	19540	19940	13000	10250	10560	8890	7782
(WY)	1990	1993	1993	1972	1990	1990	1964	1964	1973	1994	1984	1994
MIN	948	1601	1592	1574	2766	1921	1961	1647	1807	1672	1068	1606
(WY)	1956	1956	1956	1956	1989	1988	1988	1985	1978	1988	1956	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1956 - 1996	
ANNUAL TOTAL	2120257		2704160			
ANNUAL MEAN	5809		7388		5582	†5658
HIGHEST ANNUAL MEAN	†5949		†7639		8501	1990
LOWEST ANNUAL MEAN					2644	1988
HIGHEST DAILY MEAN	19500	Feb 18	38200	Mar 9	80000	Feb 26 1961
LOWEST DAILY MEAN	629	Jul 16	836	Oct 1	516	Sep 12 1993
ANNUAL SEVEN-DAY MINIMUM	1590	Jun 18	2900	Jun 29	659	Sep 2 1957
INSTANTANEOUS PEAK FLOW			39700	Mar 7	94400	Feb 26 1961
INSTANTANEOUS PEAK STAGE			15.19	Mar 7	24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	1.64	†1.68	2.08	†2.15	1.57	†1.59
ANNUAL RUNOFF (INCHES)	22.22	†22.76	28.34	†29.22	21.36	†21.65
10 PERCENT EXCEEDS	12100		13900		10300	
50 PERCENT EXCEEDS	4840		5960		4440	
90 PERCENT EXCEEDS	904		1110		1020	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2851	3348	5834	7504	8716	9939	7878	5453	4409	4614	4072	2990
MAX	9510	15260	18590	23150	21600	32730	21840	12620	13980	19300	12980	11080
(WY)	1899	1949	1933	1925	1903	1929	1936	1920	1900	1916	1901	1898
MIN	488	1134	1964	2995	2304	2785	2930	1917	1491	1697	578	333
(WY)	1932	1932	1940	1934	1898	1898	1905	1941	1898	1925	1925	1925

SUMMARY STATISTICS WATER YEARS 1896 - 1955

ANNUAL MEAN	5625
HIGHEST ANNUAL MEAN	10060
LOWEST ANNUAL MEAN	2882
HIGHEST DAILY MEAN	134000
LOWEST DAILY MEAN	224
ANNUAL SEVEN-DAY MINIMUM	248
INSTANTANEOUS PEAK FLOW	a 134000
INSTANTANEOUS PEAK STAGE	b 30.00
INSTANTANEOUS LOW FLOW	c 224
ANNUAL RUNOFF (CFSM)	1.58
ANNUAL RUNOFF (INCHES)	21.53
10 PERCENT EXCEEDS	10800
50 PERCENT EXCEEDS	3840
90 PERCENT EXCEEDS	1660

† Adjusted for change in contents in Lake Sidney Lanier and West Point Lake.

a From rating curve extended above 80,000 ft³/s on basis of computation of peak flow over Langdale Dam.

b At site then in use; 29.25 ft at present site, from floodmarks.

c Gage height, 1.64 ft.

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

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	2.09	4.02	5.26	3.65	12.15	7.61	5.47	5.59	2.34	3.42	4.01	---
2	3.08	4.03	2.30	4.84	12.11	3.88	5.36	5.79	2.33	3.42	4.00	---
3	3.12	4.05	2.30	4.74	12.34	3.86	5.36	5.58	5.17	3.43	2.18	---
4	2.63	2.33	5.80	4.88	12.89	6.02	5.35	3.91	5.18	3.44	2.17	---
5	5.41	2.30	5.88	4.83	13.56	5.93	5.34	3.89	5.18	3.43	4.27	---
6	8.28	4.62	5.89	2.39	13.53	4.86	2.50	5.41	5.18	2.24	4.29	---
7	5.92	4.64	6.54	3.78	13.23	11.52	2.47	5.03	5.19	2.24	4.35	---
8	5.59	7.00	6.55	6.08	4.46	14.85	5.59	5.47	2.34	4.29	4.27	---
9	5.57	8.90	2.50	5.98	6.95	14.90	5.64	5.01	2.35	4.28	4.29	---
10	5.51	8.90	2.43	5.98	7.19	13.79	5.67	4.97	4.62	4.26	2.19	---
11	5.56	6.71	5.27	5.99	7.44	11.29	5.63	3.59	4.62	4.26	2.19	---
12	3.17	8.20	5.30	6.03	6.31	9.75	5.64	3.59	4.62	4.30	4.30	4.27
13	3.11	9.90	5.25	5.94	6.30	9.06	2.46	4.93	4.61	3.98	4.31	4.27
14	2.29	7.93	5.31	6.05	6.37	9.06	2.47	4.38	4.61	3.98	4.25	3.07
15	2.31	7.29	5.32	4.12	6.31	8.07	5.05	4.38	2.30	4.56	4.24	3.07
16	4.05	7.35	2.37	3.96	6.29	4.61	4.55	4.40	2.29	4.56	4.23	3.71
17	3.99	7.36	2.36	3.95	6.30	8.08	4.52	4.37	4.01	4.58	2.16	3.77
18	3.97	3.57	3.96	3.98	6.30	8.24	4.51	2.37	4.03	4.61	2.16	3.77
19	3.97	3.47	4.36	5.52	9.00	8.36	5.78	2.36	4.01	4.56	3.65	3.73
20	3.95	4.06	4.43	5.47	9.07	8.34	2.52	4.64	4.01	3.14	3.68	3.72
21	2.24	5.15	4.06	5.43	9.07	8.32	2.51	4.63	4.01	3.06	3.65	2.15
22	2.24	5.20	3.96	6.53	9.07	7.91	5.24	4.87	2.27	4.54	---	2.23
23	4.28	5.22	5.89	6.62	9.09	7.07	5.28	3.65	2.25	4.22	---	4.02
24	4.30	5.18	5.90	6.76	3.87	6.93	5.29	3.61	3.71	4.32	---	3.38
25	4.29	2.35	5.92	6.77	3.43	6.86	5.29	3.77	3.71	4.52	---	3.37
26	4.30	2.30	5.91	6.72	7.44	7.01	5.28	3.51	3.78	4.43	---	3.68
27	4.31	5.24	5.92	6.92	7.47	7.03	2.52	5.17	3.72	2.25	---	3.37
28	2.34	5.25	5.92	9.95	7.56	7.19	3.75	5.37	3.71	2.22	---	2.21
29	2.34	5.27	5.96	10.73	7.73	5.42	6.23	5.41	2.24	3.44	---	2.32
30	4.00	5.29	2.36	12.03	---	2.56	6.45	5.23	2.23	4.03	---	3.46
31	4.01	---	2.36	12.13	---	5.18	---	5.20	---	4.00	---	---
MEAN	3.94	5.44	4.63	6.09	8.37	7.86	4.66	4.52	3.69	3.81	---	---
MAX	8.28	9.90	6.55	12.13	13.56	14.90	6.45	5.79	5.19	4.61	---	---
MIN	2.09	2.30	2.30	2.39	3.43	2.56	2.46	2.36	2.23	2.22	---	---
CAL YR 1995	MEAN 4.36		MAX 9.90		MIN 1.85							

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to December 1996 (discontinued).

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0600	81213	1030	77	77	6.8	7.0	20.0	17.0	8.6	96
NOV 08...	0500	81341	1220	63	60	6.7	6.6	14.0	7.0	7.6	75
DEC 12...	0500	81341	1150	57	55	6.9	6.9	5.0	-3.0	10.8	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 10...	81213	11	0.9	490	19	52	0.570	0.070	0.020	3.4	--	--
NOV 08...	81341	28	1.1	1300	18	--	0.290	0.040	0.030	3.0	--	--
DEC 12...	81341	11	<1.0	50	18	--	0.220	<0.030	0.020	2.0	1000	130

APALACHICOLA RIVER BASIN

02339720 LONG CANE CREEK NEAR WEST POINT, GA.

LOCATION.--Lat 32°54'37", long 85°08'43", Troup County, Hydrologic Unit 03130002, at bridge on Webb Road 2.5 mi northeast of West Point.

DRAINAGE AREA.--74.8 mi², approximately.

PERIOD OF RECORD.--July 1974 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0640	81213	57	71	70	6.8	7.0	18.0	17.0	8.5	92
NOV 08...	0540	81341	170	80	77	6.8	6.6	12.0	7.0	9.4	89
DEC 12...	0540	81341	117	63	61	7.0	6.9	3.0	-3.0	11.4	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	81213	13	1.0	490	23	370	0.050	0.010	0.080	5.1
NOV 08...	81341	28	1.6	790	23	--	0.120	<0.030	0.100	4.0
DEC 12...	81341	4.0	<1.0	310	15	--	0.180	0.040	0.020	1.0

APALACHICOLA RIVER BASIN

02340250 FLAT SHOAL CREEK NEAR WEST POINT, GA.

LOCATION.--Lat 32°53'53", long 85°04'41", Troup County, Hydrologic Unit 03130002, at bridge on State Highway 18, 5 mi east of Interstate Highway 85, near West Point.

DRAINAGE AREA.--204 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0715	81213	245	37	38	6.7	6.9	18.0	17.0	9.0	97
NOV 08...	0600	81341	415	39	37	6.9	6.5	12.0	7.0	9.2	87
DEC 12...	0600	81341	215	35	34	7.1	6.8	3.0	-3.0	11.7	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	81213	20	0.8	790	--	10	96	0.170	0.010	0.050	4.0
NOV 08...	81341	32	1.2	4900	10	8	30	0.150	<0.030	0.050	4.0
DEC 12...	81341	10	<1.0	1700	16	8	6	0.200	<0.030	0.020	2.0

APALACHICOLA RIVER BASIN

02340500 MOUNTAIN OAK CREEK NEAR HAMILTON, GA.

LOCATION.--Lat 32°44'28", long 85°04'08", Harris County, Hydrologic Unit 03130002, at bridge on State Highway 103, 5 mi upstream from mouth, and 11 mi west of Hamilton.

DRAINAGE AREA.--61.7 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0800	81213	400	41	42	6.8	7.1	18.0	17.0	8.6	92
NOV 08...	0630	81341	600	41	39	6.9	6.6	12.0	7.0	9.5	90
DEC 12...	0630	81341	500	42	42	7.0	6.8	3.0	-3.0	11.4	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	81213	15	1.0	1300	--	15	68	0.070	0.020	0.060	3.1
NOV 08...	81341	26	1.0	790	14	10	26	0.100	<0.030	0.040	4.0
DEC 12...	81341	13	<1.0	300	20	20	6	0.100	<0.030	0.040	3.0

APALACHICOLA RIVER BASIN

02341220 MULBERRY CREEK NEAR MULBERRY GROVE, GA.

LOCATION.--Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at bridge on Hamilton-Mulberry Grove Road 2.5 mi north of Mulberry Grove.

DRAINAGE AREA.--190 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0830	81213	140	47	48	6.9	7.1	18.0	17.0	9.0	97
NOV 08...	0700	81341	640	44	41	6.9	6.6	13.0	7.0	9.8	95
DEC 12...	0700	81341	180	52	51	7.0	7.0	3.0	-3.0	11.6	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	81213	24	0.8	270	--	16	170	0.070	0.010	<0.020	4.2
NOV 08...	81341	84	2.5	7300	12	12	81	0.090	<0.030	0.090	8.0
DEC 12...	81341	8.0	<1.0	110	14	18	6	0.080	<0.030	0.030	2.0

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.-Russell County, Ala., Hydrologic Unit 03130003, on left bank at downstream side of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). WDR GA-90-1: 1967(M), 1969(M), 1971-72(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft above sea level. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records fair, except those less than 2,500 ft³/s which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, and 02341000.) Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s, Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft, Mar. 16, 1929, datum in use prior to 1975.

**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	1540	6500	7440	5560	34400	15700	16200	11700	3580	3780	5550	1690
2	3180	6800	2850	8930	36300	14300	11100	11100	2710	3740	4610	2040
3	4460	6960	2770	9290	41700	7130	8580	8950	7270	3210	1960	5260
4	15800	2940	7940	7830	39000	8500	9240	8760	7210	3400	1790	4960
5	21500	3280	9180	8030	38100	8990	9660	6830	6710	4320	5370	4310
6	25500	5520	9330	4560	37100	12400	3810	6900	8320	1870	5690	4500
7	18400	8150	11200	4450	37000	46200	3260	8650	7990	1850	6190	2360
8	7470	8750	12100	12400	21100	60900	8000	8450	5220	5350	6440	1790
9	11000	15700	6400	11700	11900	47000	10700	8040	3310	6000	6500	4010
10	12200	17200	3460	11200	12200	42400	10500	6780	6270	6040	2510	5560
11	9360	19700	9100	11000	13800	32700	11200	4290	7470	5550	3000	5380
12	6520	19900	8660	11300	13700	25500	7950	4910	6330	5490	4870	5270
13	2230	23400	8600	10900	13800	19600	4500	8040	7170	6170	6430	6360
14	2020	18700	8860	9830	13800	20700	2750	6550	7330	5980	5340	4930
15	2170	14700	8640	6540	12900	19500	7160	6570	2820	7710	5550	3310
16	5970	11800	3070	6620	10400	12300	9550	5830	2160	7470	6470	4300
17	5500	12300	3570	8100	12100	15100	7300	6210	5010	5820	2110	4780
18	5730	10000	8770	7450	11600	21100	7000	3360	6110	5700	2300	4710
19	5460	6350	13300	8190	12500	21100	8850	2320	5860	6270	3820	5380
20	5230	2980	10700	10500	17500	20000	4790	3730	6060	4380	5140	3780
21	2640	3670	8710	11300	18800	18400	3800	6800	4790	3270	3230	3790
22	4070	4760	9780	11300	19600	18500	6100	7070	1980	5820	3690	3080
23	8740	3660	8580	14300	18800	14400	9520	6130	2090	4980	4180	4630
24	9030	4640	9820	10800	14400	12500	9770	3320	4740	5910	1810	6480
25	8850	3520	9820	15200	6390	14600	8720	2780	3500	8560	1980	3330
26	8190	2920	10800	13900	10800	14500	9710	5850	4360	7680	3230	4450
27	8380	8160	10900	21800	12000	16900	3190	8850	4700	2380	9450	4150
28	5270	7820	10400	31300	14800	21300	4830	8850	4880	2030	6610	4060
29	3140	8110	9430	27500	18300	16500	12200	10900	1980	3810	4710	3280
30	4820	8250	3630	31600	---	6650	16200	9570	1880	6010	4630	5280
31	6530	---	2480	32000	---	7330	---	8960	---	5070	2340	---
TOTAL	240900	277140	250290	395380	574790	632700	246140	217050	149810	155620	137500	127210
MEAN	7771	9238	8074	12750	19820	20410	8205	7002	4994	5020	4435	4240
MAX	25500	23400	13300	32000	41700	60900	16200	11700	8320	8560	9450	6480
MIN	1540	2920	2480	4450	6390	6650	2750	2320	1880	1850	1790	1690

e Estimated

APALACHICOLA RIVER BASIN
02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1996, BY WATER YEAR (WY)

MEAN	3947	4862	6837	8909	10470	11620	10280	6645	4978	5093	4730	3941
MAX	10480	20100	20090	24030	24380	26140	30030	16020	10330	13470	11660	8369
(WY)	1990	1949	1933	1936	1990	1990	1964	1964	1973	1994	1984	1967
MIN	701	888	1826	1905	3119	3135	3196	2237	1384	1894	1384	938
(WY)	1955	1932	1940	1956	1989	1988	1986	1985	1941	1988	1956	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1929 - 1996	
ANNUAL TOTAL	2719580		3404530		6837	
ANNUAL MEAN	7451	†7591	9302	†9546	11050	1990
HIGHEST ANNUAL MEAN					3507	1988
LOWEST ANNUAL MEAN					120000	Feb 25 1961
HIGHEST DAILY MEAN	40100	Feb 18	60900	Mar 8	480	Oct 31 1931
LOWEST DAILY MEAN	1540	Oct 1	1540	Oct 1	553	Oct 26 1931
ANNUAL SEVEN-DAY MINIMUM	1860	Jun 15	3170	Jul 1	145000	Feb 26 1961
INSTANTANEOUS PEAK FLOW			68900	Mar 7	a47.80	Feb 25 1961
INSTANTANEOUS PEAK STAGE			29.73	Mar 7	294	b
INSTANTANEOUS LOW FLOW					1.46	
ANNUAL RUNOFF (CFSM)	1.60	†1.63	1.99	†2.04	19.89	
ANNUAL RUNOFF (INCHES)	21.66	†22.07	27.12	†27.76	12400	
10 PERCENT EXCEEDS	14100		18400		5170	
50 PERCENT EXCEEDS	5900		6980		1850	
90 PERCENT EXCEEDS	2280		2970			

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, and Lake Harding.

a Datum then in use.

b Oct 23 and Nov 14, 1931.

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

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	2.71	7.77	6.90	6.49	18.85	11.99	12.25	10.86	6.73	6.07	5.68	3.15
2	3.86	7.96	4.16	8.72	19.78	11.38	10.12	10.14	6.23	6.16	5.37	3.44
3	4.46	8.06	4.22	8.99	23.22	7.84	8.94	9.48	7.75	5.91	3.81	5.29
4	11.50	6.50	6.92	8.54	21.99	7.99	9.07	9.41	7.59	5.84	3.69	5.67
5	14.34	6.53	7.79	8.52	20.51	8.47	9.26	8.60	7.41	6.13	5.49	5.32
6	16.46	7.44	7.90	7.11	20.07	10.67	7.07	8.47	7.77	4.94	5.95	5.44
7	13.69	8.46	9.10	6.95	19.89	22.05	6.75	8.93	7.52	4.81	6.31	4.45
8	9.00	8.85	9.55	10.36	14.72	29.44	8.33	8.89	6.42	5.97	6.39	4.24
9	9.86	11.62	6.96	9.98	9.88	26.02	9.54	8.87	5.62	6.20	6.61	5.42
10	10.40	12.29	5.36	9.61	9.86	22.48	9.44	8.32	6.69	6.04	5.06	6.12
11	9.25	13.79	8.03	9.48	10.63	18.99	9.77	7.26	7.38	5.63	5.06	6.56
12	8.31	13.64	8.02	9.61	10.52	15.94	8.55	7.26	6.64	5.58	6.06	6.50
13	6.74	15.20	8.01	9.43	10.52	13.68	7.31	8.49	6.93	5.77	6.60	7.22
14	6.69	13.42	8.26	9.02	10.59	13.92	6.44	8.02	6.99	5.59	6.20	6.75
15	6.77	11.68	8.29	7.92	10.32	13.43	8.06	7.87	5.19	6.53	6.07	5.88
16	7.96	10.28	6.06	7.56	8.96	10.64	9.19	7.52	4.81	6.57	6.66	6.22
17	7.67	10.35	6.10	8.21	9.82	11.40	8.40	7.56	5.95	5.57	4.26	6.15
18	7.48	9.59	8.44	7.81	9.70	14.44	8.30	6.09	6.56	5.25	4.12	5.73
19	7.26	7.80	11.74	8.19	9.71	14.49	8.96	5.58	6.57	5.89	4.78	6.09
20	7.15	6.49	10.95	9.37	12.35	13.78	7.51	5.90	6.74	4.40	5.24	5.24
21	6.01	6.31	9.70	9.58	13.05	12.96	6.89	6.89	6.43	3.83	4.26	5.21
22	6.53	6.54	9.53	9.69	13.19	12.98	7.77	7.28	5.31	5.11	4.22	4.82
23	8.51	5.73	8.62	10.96	12.97	11.39	8.99	6.76	5.35	4.82	4.28	5.34
24	8.60	6.05	8.91	9.69	11.21	10.29	9.05	5.15	6.43	5.54	2.81	6.28
25	8.66	5.29	8.71	11.48	7.33	11.10	8.73	4.68	5.95	7.14	2.79	4.73
26	8.37	4.75	9.18	10.98	8.94	11.21	9.23	6.06	6.14	6.68	3.48	5.05
27	8.53	7.30	9.18	14.75	9.53	12.15	6.70	7.74	6.31	4.11	7.60	5.12
28	7.57	6.98	8.93	18.45	11.13	14.44	7.14	8.13	6.44	3.66	6.18	4.88
29	6.68	7.18	8.65	17.01	12.99	12.76	10.06	9.39	5.30	4.64	4.73	4.57
30	7.08	7.25	5.78	17.75	---	8.57	12.61	8.87	5.32	6.00	4.82	5.62
31	7.81	---	5.12	18.35	---	8.47	---	8.64	---	5.45	3.43	---
MEAN	8.26	8.70	7.91	10.34	13.18	13.72	8.68	7.84	6.42	5.54	5.10	5.42
MAX	16.46	15.20	11.74	18.45	23.22	29.44	12.61	10.86	7.77	7.14	7.60	7.22
MIN	2.71	4.75	4.16	6.49	7.33	7.84	6.44	4.68	4.81	3.66	2.79	3.15
CAL YR 1995	MEAN 7.52		MAX 22.19		MIN 2.53							
WTR YR 1996	MEAN 8.41		MAX 29.44		MIN 2.71							

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochillee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.

DRAINAGE AREA.--342 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1968 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above sea level (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 19	1430	4,930	11.66	Mar. 7	2145	*9,440	*15.95
Feb. 3	0145	6,650	13.43				

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	125	203	176	901	840	865	1050	1070	297	134	151	209
2	125	208	175	1180	2280	636	888	689	255	130	198	202
3	130	234	172	861	5830	513	733	517	238	128	344	204
4	428	251	197	615	2500	446	647	442	284	130	263	198
5	1550	218	278	494	1360	421	594	399	267	162	205	185
6	692	187	258	455	1060	2030	582	370	219	264	182	179
7	342	199	611	878	924	7160	604	334	194	215	192	190
8	207	565	519	908	832	5410	551	305	262	165	163	200
9	157	409	419	648	765	2040	501	283	412	151	178	184
10	136	295	425	540	705	1350	460	265	434	141	191	206
11	127	844	333	473	654	1090	439	250	328	128	189	258
12	124	1250	288	570	589	954	428	248	261	122	195	220
13	124	641	265	545	531	856	431	238	225	119	205	188
14	126	445	251	462	512	778	507	221	281	207	173	167
15	133	329	254	416	503	727	570	213	339	194	158	156
16	130	280	259	392	478	706	530	208	311	206	150	156
17	117	258	364	376	440	1310	446	204	269	196	141	184
18	111	245	419	370	431	1760	402	194	229	211	132	204
19	107	237	3140	567	428	1400	403	182	205	192	135	177
20	107	229	2280	541	978	1050	451	172	195	161	145	158
21	104	222	1150	439	903	846	418	163	206	144	146	163
22	101	207	731	389	667	723	375	155	215	138	135	270
23	99	199	585	363	551	647	360	148	201	132	122	259
24	101	201	503	535	481	597	409	142	183	122	121	197
25	101	202	451	767	424	673	363	147	205	121	168	170
26	99	197	430	567	397	943	489	188	182	167	268	156
27	137	191	405	2320	385	918	800	185	165	190	377	153
28	893	189	381	1940	829	2160	562	653	159	169	399	205
29	684	188	359	1090	1410	1400	481	983	148	154	320	318
30	364	181	345	828	---	1050	1590	661	139	141	234	269
31	240	---	361	855	---	987	---	398	---	137	214	---
TOTAL	8021	9504	16784	22285	28687	42446	17064	10627	7308	4971	6194	5985
MEAN	259	317	541	719	989	1369	569	343	244	160	200	199
MAX	1550	1250	3140	2320	5830	7160	1590	1070	434	264	399	318
MIN	99	181	172	363	385	421	360	142	139	119	121	153
CFSM	.76	.93	1.58	2.10	2.89	4.00	1.66	1.00	.71	.47	.58	.58
IN.	.87	1.03	1.83	2.42	3.12	4.62	1.86	1.16	.79	.54	.67	.65

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	200	285	444	658	785	1017	702	361	257	284	257	196
MAX	479	986	809	1170	1496	3678	1513	858	524	1315	624	409
(WY)	1995	1993	1977	1975	1975	1990	1973	1978	1975	1994	1971	1971
MIN	103	144	164	189	261	336	239	151	98.9	92.9	107	113
(WY)	1988	1970	1989	1981	1989	1985	1985	1986	1988	1986	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968 - 1996	
ANNUAL TOTAL	148260		179876			
ANNUAL MEAN	406		491		454	
HIGHEST ANNUAL MEAN					750	
LOWEST ANNUAL MEAN					243	
HIGHEST DAILY MEAN	4640		7160		31600	
LOWEST DAILY MEAN	99		99		74	
ANNUAL SEVEN-DAY MINIMUM	102		102		75	
INSTANTANEOUS PEAK FLOW			9440		a46300	
INSTANTANEOUS PEAK STAGE			15.95		b32.12	
INSTANTANEOUS LOW FLOW			97		72	
ANNUAL RUNOFF (CFSM)	1.19		1.44		1.33	
ANNUAL RUNOFF (INCHES)	16.13		19.57		18.04	
10 PERCENT EXCEEDS	823		930		861	
50 PERCENT EXCEEDS	234		280		277	
90 PERCENT EXCEEDS	125		137		135	

a From rating curve extended above 36,000 ft³/s and flow-over-road measurement of peak flow.

b From floodmarks.

c July 16 and Aug 7, 1986.

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 10...	0900	81213	137	27	28	6.5	6.6	19.0	17.0	9.0	98
NOV 08...	0800	81341	671	36	35	6.8	6.4	13.0	8.0	9.7	93
DEC 12...	0800	81341	295	30	29	7.1	6.5	4.0	-3.0	11.6	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 10...	81213	9.1	0.6	220	--	6	14	0.020	<0.010	<0.020	4.0
NOV 08...	81341	120	1.7	3300	12	8	155	0.040	<0.030	0.090	5.0
DEC 12...	81341	10	<1.0	80	12	3	7	0.050	<0.030	0.030	2.0

APALACHICOLA RIVER BASIN

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA, ALA.

LOCATION.--Lat 31°54'29", long 85°08'42", in SE 1/4 sec. 29, T. 11 W., R. 29 E., Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near mouth of Chewalla Creek, 1 mi north of Eufaula, and at mile 97.8.

DRAINAGE AREA.--6,730 mi².

PERIOD OF RECORD.--April 1967 to current year (elevations only). October 1989 to current year in reports of the U.S. Geological Survey.

Elevation records from April 1967 to September 1989 in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is sea level.

REMARKS.--Gage is in pool of Walter F. George Lake formed by dam at mile 75.0.

EXTREMES (at 0700) FOR PERIOD SINCE OCTOBER 1989.--Maximum elevation, 195.60 ft, Mar. 18, 1990; minimum elevation, 184.52 ft, Nov. 20, 1993.

EXTREMES (at 0700) FOR CURRENT YEAR.--Maximum elevation, 190.73 ft, Mar. 8; minimum elevation, 184.99 ft, Aug. 27.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185.44	189.19	186.62	187.89	189.21	189.19	189.70	190.35	189.22	188.37	186.42	185.91
2	185.51	189.20	186.60	188.46	188.84	188.92	189.87	190.27	189.10	188.40	186.43	186.02
3	185.61	189.22	186.77	188.97	189.97	188.55	189.69	190.18	188.99	188.42	186.51	186.20
4	186.04	189.19	186.86	189.28	190.24	188.43	189.56	190.13	188.82	188.26	186.51	186.63
5	187.94	189.20	186.80	189.23	189.30	188.53	189.37	190.11	188.61	188.22	186.53	186.81
6	189.59	189.35	186.71	189.27	188.98	189.08	189.33	190.03	188.39	187.95	186.68	186.94
7	190.64	189.20	186.78	189.06	188.82	190.11	189.41	189.86	188.18	187.80	186.85	187.08
8	190.40	189.32	187.12	188.99	188.37	190.73	189.18	189.81	187.99	187.38	187.03	187.15
9	189.97	189.05	187.67	189.00	188.00	190.72	189.31	189.79	188.05	187.20	187.21	187.20
10	189.90	189.06	187.76	188.86	187.98	190.05	189.37	189.66	188.00	186.96	187.53	187.34
11	189.84	189.16	187.75	188.72	187.83	190.05	189.47	189.50	187.97	186.74	187.53	187.83
12	189.65	189.42	187.97	188.61	187.72	189.72	189.51	189.38	187.82	186.48	187.60	188.08
13	189.76	189.73	188.10	188.66	187.89	189.46	189.40	189.54	187.71	186.30	187.48	188.31
14	189.73	190.08	188.27	188.96	188.05	189.30	189.36	189.49	187.64	186.09	187.43	188.33
15	189.77	190.15	188.40	189.15	188.32	189.32	189.26	189.36	187.55	185.92	187.29	188.25
16	189.90	190.04	188.63	188.99	188.29	189.26	189.48	189.21	187.62	185.93	187.18	188.20
17	189.66	189.78	188.59	188.86	188.32	188.93	189.62	188.99	187.63	185.80	187.06	187.74
18	189.32	189.60	188.68	188.69	188.15	189.84	189.56	188.60	187.78	185.77	186.84	187.30
19	188.90	189.49	189.82	188.60	188.11	189.62	189.54	188.43	187.98	185.62	186.62	187.26
20	188.89	189.04	190.35	188.89	188.46	189.23	189.47	188.37	188.11	185.46	186.29	187.23
21	188.78	188.62	190.24	189.06	188.87	189.15	189.43	187.89	188.28	185.25	186.10	187.11
22	188.91	188.43	189.72	189.12	188.72	189.34	189.50	187.85	188.25	185.14	185.71	187.10
23	188.82	188.11	189.12	189.08	188.60	189.32	189.35	187.75	188.26	185.35	185.37	187.04
24	188.85	187.78	188.44	189.14	188.47	189.11	189.35	187.60	188.26	185.45	185.11	186.74
25	188.98	187.51	188.04	189.27	188.03	188.82	189.35	187.28	188.27	185.69	185.11	186.83
26	189.02	187.32	188.05	189.31	187.94	188.94	189.30	187.33	188.19	185.99	185.12	186.56
27	188.92	186.95	188.11	189.66	187.92	188.73	189.31	187.61	188.24	186.23	184.99	186.62
28	189.07	186.90	188.09	190.48	188.17	189.00	189.25	187.75	188.28	186.33	185.15	186.43
29	189.29	186.79	188.05	190.54	188.91	189.42	189.26	188.34	188.22	186.45	185.32	186.66
30	189.26	186.70	187.93	189.97	---	189.76	189.80	188.78	188.29	186.48	185.49	186.78
31	189.22	---	187.94	189.56	---	189.61	---	189.06	---	186.51	185.79	---
MEAN	188.89	188.79	188.06	189.11	188.50	189.36	189.45	188.98	188.19	186.58	186.40	187.12
MAX	190.64	190.15	190.35	190.54	190.24	190.73	189.87	190.35	189.22	188.42	187.60	188.33
MIN	185.44	186.70	186.60	187.89	187.72	188.43	189.18	187.28	187.55	185.14	184.99	185.91
CAL YR 1995	MEAN 188.15		MAX 190.64		MIN 185.00							
WTR YR 1996	MEAN 188.28		MAX 190.73		MIN 184.99							

APALACHICOLA RIVER BASIN

02343225 PATAULA CREEK NEAR GEORGETOWN, GA.

LOCATION.--Lat 31°49'06", long 84°58'26", Quitman County, Hydrologic Unit 03130003, at bridge on U.S. Highway 82, 11 mi east of Georgetown.

DRAINAGE AREA.--295 mi².

PERIOD OF RECORD.--April 1995 to December 1995.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	1110	81213	140	59	59	7.0	7.2	15.5	27.5	9.5	95
NOV 27...	1150	81341	220	50	45	7.0	6.9	10.0	23.5	11.2	100
DEC 06...	1145	81341	275	58	53	6.9	7.1	14.0	17.5	9.4	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	9.2	0.7	80	--	23	60	0.080	0.010	0.020	2.0
NOV 27...	81341	7.0	<1.0	80	24	16	2	0.040	0.060	<0.020	3.0
DEC 06...	81341	8.0	<1.0	310	18	17	4	0.040	<0.030	<0.020	3.0

APALACHICOLA RIVER BASIN

02343260 CHATTAHOOCHEE RIVER AT FORT GAINES, GA.

LOCATION.--Lat 31°36'15", long 85°03'19", Clay County, Hydrologic Unit 03130004, at bridge on State Highway 37, 1.6 mi downstream from Walter F. George Lock and Dam, and at mile 73.4.

DRAINAGE AREA.--7570 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	1220	81213	0.0	110	111	7.5	7.4	22.5	28.0	9.5	109
NOV 27...	1300	81341	0.0	88	83	7.3	7.3	15.0	25.0	10.2	102
DEC 06...	1245	81341	18000	82	77	7.1	7.1	14.5	18.0	9.6	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	3.6	1.5	200	--	27	80	0.290	0.020	0.040	2.9
NOV 27...	81341	6.0	1.3	50	20	18	9	0.440	0.050	0.040	4.0
DEC 06...	81341	6.0	<1.0	50	18	17	6	0.460	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.

LOCATION.--Lat 31°15'33", long 85°06'37", Early County, Ga.-Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.
DRAINAGE AREA.--8,210 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gage is sea level.

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir (See "Lakes and Reservoir in Apalachicola River Basin," stations 02334400, 02339400, 02341000, and 02343240). No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Al., 2.4 mi upstream.

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	977	9020	11500	4420	31900	19700	19700	16100	6070	2760	9780	5110
2	1810	e9590	2090	9120	38000	26700	25400	19300	5890	3470	4750	6820
3	2490	9770	771	8820	57900	20300	20900	13700	12900	4970	3960	6400
4	2730	e5460	11400	13200	65900	14100	18300	11500	13200	5760	3130	6190
5	9720	e2740	13300	13300	66300	9620	18000	10900	13400	12700	3710	5390
6	13800	e10400	12900	10800	49100	11900	6680	12800	13600	6390	4060	4510
7	18600	11600	10600	11400	45700	26200	11600	12600	13600	11200	3950	2690
8	26100	13300	9190	18000	35800	68500	13200	12200	7330	11500	4010	2240
9	17200	2000	5370	17800	32100	86100	13800	12500	7210	11600	4320	2900
10	14400	19300	4240	17900	18600	66100	13400	12000	10600	11400	3970	3020
11	15200	19500	8560	18100	20700	45100	13600	6990	11200	11300	4470	2950
12	4650	19900	8280	18000	21500	38600	13400	6000	10400	9200	8550	2930
13	3630	19700	8210	8550	15900	31800	11700	10500	10400	11300	9740	6540
14	1040	19100	8000	8120	13700	26300	11600	11100	10100	12000	9070	6060
15	840	19000	7970	10100	13700	24900	15500	11400	3430	10900	8930	6460
16	12500	19000	5040	13300	13900	25000	11400	11200	2760	10200	9100	14200
17	12900	19000	5200	13400	12400	25100	13200	15300	2800	11000	7130	15500
18	13200	17400	8280	13600	18300	30100	14500	8460	3850	10600	6680	9430
19	7940	e10900	17700	13400	19600	37700	14000	4750	3280	10400	10400	6840
20	8180	13000	e27700	11100	20800	35100	8410	14900	3640	9390	10300	7020
21	e1340	13600	e26700	11500	20300	25800	7460	10400	7100	6350	10400	4910
22	3330	12700	e26800	14100	27600	21000	13400	10200	3420	4160	10300	5160
23	e8940	13000	e26800	15300	27000	23200	13400	9880	3150	4050	10300	12100
24	e8860	13000	e26800	15500	22200	23100	13600	10300	5840	4000	3500	5600
25	e9040	9600	16900	19800	21800	23500	13600	3210	5780	3720	2590	8850
26	11700	9120	13800	19400	15700	25200	13500	2930	4650	3800	7340	4860
27	12200	11600	13600	20300	15800	27800	7830	6450	4740	1480	8080	10500
28	5350	11600	13500	35000	16500	28000	8590	7390	5740	770	4660	4090
29	e4380	11400	13600	32700	15800	26700	12800	7770	1100	2570	3870	3780
30	e9070	11600	8290	29900	---	21600	14200	7370	662	5750	4060	6100
31	8850	---	8040	30200	---	24900	---	6910	---	6900	5150	---
TOTAL	270967	386900	381131	496130	794500	939720	406670	317010	207842	231590	200260	189150
MEAN	8741	12900	12290	16000	27400	30310	13560	10230	6928	7471	6460	6305
MAX	26100	19900	27700	35000	66300	86100	25400	19300	13600	12700	10400	15500
MIN	840	2000	771	4420	12400	9620	6680	2930	662	770	2590	2240

e Estimated

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1996, BY WATER YEAR (WY)

MEAN	6793	8487	11440	14050	17160	19820	14290	10090	7442	8492	7439	6615
MAX	16730	23290	24660	31670	29710	45900	33400	19950	13590	38070	14550	11630
(WY)	1976	1993	1993	1978	1990	1990	1979	1980	1976	1994	1984	1994
MIN	2385	2998	4032	4726	4856	7227	5384	4544	3953	2425	2045	2265
(WY)	1987	1982	1982	1981	1989	1981	1986	1985	1986	1988	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1976 - 1996	
ANNUAL TOTAL	3988462		4821870		10980	
ANNUAL MEAN	10930	†11030	13170	†13490	15800	1990
HIGHEST ANNUAL MEAN					5718	1988
LOWEST ANNUAL MEAN					195000	Jul 7 1994
HIGHEST DAILY MEAN	70300	Feb 19	86100	Mar 9	a .00	Nov 22 1987
LOWEST DAILY MEAN	771	Dec 3	662	Jun 30	1640	May 14 1985
ANNUAL SEVEN-DAY MINIMUM	2370	Jun 17	2910	Jul 23	202000	Jul 7 1994
INSTANTANEOUS PEAK FLOW			94700	Mar 9	123.98	Jul 7 1994
INSTANTANEOUS PEAK HEADWATER STAGE			108.92	Mar 9	unknown	Jul 7 1994
INSTANTANEOUS PEAK TAILWATER STAGE			107.16	Mar 9	1.34	
ANNUAL RUNOFF (CFSM)	1.33	†1.34	1.60	†1.64	18.18	
ANNUAL RUNOFF (INCHES)	18.07	†18.25	21.85	†22.31	21800	
10 PERCENT EXCEEDS	23600		25900		8780	
50 PERCENT EXCEEDS	9070		11100		1570	
90 PERCENT EXCEEDS	2650		3590			

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, Lake Harding and Walter F. George Lake.

a Except for an undetermined amount of leakage and due to non-typical operation pattern.

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to current year.

REMARKS.--Laboratory chemical analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory chemical analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0700	81213	13600	102	104	7.3	7.3	21.5	18.5	8.2	93
NOV 30...	0910	81341	11000	84	79	7.2	7.1	14.0	3.5	10.1	98
DEC 07...	0915	81341	13200	83	78	7.0	7.1	14.5	16.5	9.8	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	3.5	1.1	50	--	25	6	0.330	0.020	0.020	3.1
NOV 30...	81341	5.0	<1.0	20	20	18	7	0.480	0.040	0.020	3.0
DEC 07...	81341	8.0	<1.0	90	20	16	8	0.520	0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02344000 CHATTAHOOCHEE RIVER AT ALAGA, AL.

LOCATION.--Lat 31°06'54", long 85°02'43", Early County, Georgia-Houston County, Alabama line, Hydrologic Unit 03130004, at bridge on U.S. Highway 84, 0.5 mi downstream from Seaboard Coast Line railway bridge, 0.5 mi south of Alaga, Alabama, and at mile 34.4.

DRAINAGE AREA.--8340 mi².

PERIOD OF RECORD.--February 1968 to July 1974, April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0750	81213	103	104	7.2	7.3	21.5	18.5	8.9	101
NOV 30...	1025	81341	86	82	7.3	7.2	14.0	6.0	10.4	101
DEC 07...	1035	81341	84	79	7.0	7.1	15.0	17.5	10.2	102

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	3.8	1.2	50	--	25	8	0.320	0.020	0.020	3.3
NOV 30...	81341	8.0	<1.0	20	24	93	12	0.480	0.030	0.020	3.0
DEC 07...	81341	7.0	<1.0	70	16	18	8	0.510	<0.030	0.020	2.0

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.-Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on State Highway 91, 2 mi northwest of Steam Mill, and at mile 23.7.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0825	107	103	7.3	7.2	21.5	20.0	9.5	108
NOV 30...	1100	115	107	7.3	7.1	14.0	6.5	11.0	107
DEC 07...	1105	86	82	7.0	7.1	15.5	18.5	10.8	109
JAN 17...	1025	82	78	7.5	6.8	9.5	18.5	12.5	109
FEB 21...	1200	60	57	7.0	6.9	10.0	19.0	11.4	101
MAR 20...	1225	56	56	6.9	6.5	13.5	9.5	9.9	96
APR 17...	1015	74	70	6.8	6.9	16.0	21.0	9.1	92
MAY 15...	1005	87	84	7.3	7.0	24.0	26.0	8.6	102
JUN 19...	1040	122	118	7.2	6.9	28.5	29.5	6.6	86
JUL 11...	1115	93	91	7.0	7.7	29.5	32.0	7.3	96
AUG 28...	0950	118	118	7.1	7.2	29.0	30.0	7.6	99
SEP 26...	0925	118	117	7.3	7.1	26.5	26.5	8.2	102

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 25...	15	3.0	1.0	40	22	25	4
NOV 30...	35	10	1.4	<20	22	23	17
DEC 07...	20	8.0	<1.0	60	18	21	7
JAN 17...	25	11	1.6	<20	22	17	6
FEB 21...	120	46	<1.0	4900	--	14	24
MAR 20...	40	33	1.2	170	--	13	20
APR 17...	45	14	<1.0	220	--	19	7
MAY 15...	10	8.0	1.3	40	--	25	12
JUN 19...	20	5.0	<1.0	<20	--	30	3
JUL 11...	<5	4.0	1.4	50	--	60	2
AUG 28...	20	5.0	1.6	50	--	28	5
SEP 26...	10	7.0	1.8	--	--	26	8

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	0.370	0.030	0.37	0.40	0.77	<0.020	3.0
NOV 30...	0.520	0.040	0.36	0.40	0.92	0.050	5.0
DEC 07...	0.550	<0.030	0.40	0.40	0.95	0.030	3.0
JAN 17...	0.470	<0.030	0.40	0.40	0.87	0.030	4.0
FEB 21...	0.400	0.060	0.24	0.30	0.70	0.060	4.0
MAR 20...	0.400	0.060	0.34	0.40	0.80	0.050	4.0
APR 17...	0.470	<0.030	0.50	0.50	0.97	<0.020	4.0
MAY 15...	0.450	<0.030	0.40	0.40	0.85	0.040	3.0
JUN 19...	0.240	0.060	0.44	0.50	0.74	<0.020	5.0
JUL 11...	0.140	0.080	0.32	0.40	0.54	<0.020	3.0
AUG 28...	0.200	0.080	0.72	0.80	1.0	0.030	4.0
SEP 26...	0.260	0.040	0.46	0.50	0.76	0.040	4.0

APALACHICOLA RIVER BASIN

02344180 FLINT RIVER NEAR JONESBORO, GA.

LOCATION.--Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on State Highway 138, 0.8 mi west of U.S. Highway 41, 1.5 mi northwest of Jonesboro, and at mile 338.1.

DRAINAGE AREA.--39.1 mi².

PERIOD OF RECORD.--July 1975 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0900	81213	32	123	125	7.0	7.2	15.0	10.0	8.8	90
NOV 30...	0900	81341	46	98	92	7.0	6.8	9.0	2.0	10.3	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	12	1.0	90	39	13	0.430	0.030	0.020	3.3
NOV 30...	81341	11	1.7	170	28	6	0.260	<0.030	0.030	4.0

APALACHICOLA RIVER BASIN

02344190 FLINT RIVER NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°29'13", long 84°23'44", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on State Highway 54, 200 ft east of Thomas Road, 0.2 mi upstream from Camp Creek, 4.4 mi northeast of Fayetteville, and at mile 333.7.

DRAINAGE AREA.--49 mi².

PERIOD OF RECORD.--July 1975 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0830	81213	21	112	112	7.0	7.3	14.0	10.0	9.2	91
NOV 30...	0820	81341	26	104	99	7.0	6.9	9.0	2.0	10.1	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	13	1.0	20	37	12	0.300	0.020	0.040	3.5
NOV 30...	81341	12	1.5	510	30	6	0.340	<0.030	0.040	3.0

APALACHICOLA RIVER BASIN

02344300 CAMP CREEK NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°31'00", long 84°25'39", Clayton-Fayette County line, Hydrologic Unit 03130005, at bridge on State Highway 85, 3.5 mi upstream from mouth, and 5.2 mi north of Fayetteville.

DRAINAGE AREA.--17.2 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0500	81213	18	84	88	6.9	7.1	16.0	9.0	9.4	98
NOV 30...	0500	81341	21	78	74	6.6	7.0	9.0	1.0	10.4	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	8.6	1.0	490	--	31	--	0.470	0.040	0.020	2.9
NOV 30...	81341	10	1.2	80	26	24	6	0.380	0.050	<0.020	3.0

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.

LOCATION.--Lat 33°24'56", long 84°23'05", Clayton County, Hydrologic Unit 03130005, at the downstream side of bridge on Hampton Road, 0.7 mi upstream from Shoal Creek, 4.4 mi southwest of Lovejoy, 4.7 mi southeast of Fayetteville, and at mile 325.7.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 758.75 ft above sea level (levels by Clayton County Water Authority).

REMARKS.--Records good to fair, except those for periods of estimated daily discharge, which are fair. Discharge affected by diversion by the Clayton County Water Authority.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0515	*8,380	*17.78	Dec. 20	1045	1,530	10.23
Nov. 3	1545	1,600	10.38	Jan. 27	2230	6,890	16.30
Nov. 8	1630	3,670	13.13	Feb. 3	1300	4,800	14.21
Nov. 12	1445	2,690	12.05	Mar. 8	0230	5,620	15.02

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	30	108	124	187	1050	224	252	892	103	40	43	55
2	29	392	101	446	758	131	211	283	92	39	54	53
3	30	1460	95	511	3680	116	177	161	87	43	44	59
4	2050	1070	95	280	1650	107	161	135	82	42	72	77
5	7860	404	98	182	e470	103	151	123	101	35	84	79
6	3920	186	101	164	e300	375	171	115	81	34	63	72
7	957	483	216	423	252	3150	301	107	74	34	183	55
8	326	2800	515	930	236	3980	224	103	94	34	113	48
9	172	1570	291	422	217	919	160	100	303	34	106	45
10	129	466	260	223	196	397	142	88	585	42	64	46
11	111	481	191	194	177	282	131	78	287	39	48	51
12	100	2030	132	242	160	236	126	81	133	31	87	47
13	93	1140	118	399	146	208	124	84	104	30	127	43
14	141	420	111	227	139	188	135	73	89	29	68	39
15	230	280	105	176	136	177	137	74	83	34	46	37
16	249	216	101	159	132	238	122	71	77	51	43	39
17	112	174	102	150	124	362	115	e70	72	67	38	117
18	86	151	120	150	120	263	110	e68	72	43	37	324
19	79	139	417	458	119	408	109	e66	65	52	39	113
20	75	128	1320	990	156	776	118	e63	60	35	54	49
21	72	122	649	361	273	343	170	e60	50	38	43	58
22	71	114	250	205	182	219	239	e58	49	74	34	347
23	66	109	188	175	143	184	143	e55	49	60	30	774
24	63	107	165	207	133	166	129	53	44	40	60	205
25	62	135	150	555	124	168	124	118	46	34	288	83
26	62	128	142	378	117	263	127	724	54	54	405	66
27	63	107	135	3640	115	277	164	252	56	90	142	58
28	150	102	130	4030	132	335	139	406	46	155	264	73
29	428	108	123	823	257	525	120	622	43	82	145	162
30	204	148	120	336	---	284	640	297	42	50	67	277
31	94	---	124	668	---	229	---	130	---	40	57	---
TOTAL	18114	15278	6789	18291	11694	15633	5172	5610	3123	1505	2948	3551
MEAN	584	509	219	590	403	504	172	181	104	48.5	95.1	118
MAX	7860	2800	1320	4030	3680	3980	640	892	585	155	405	774
MIN	29	102	95	150	115	103	109	53	42	29	30	37
CFSM	4.49	3.92	1.68	4.54	3.10	3.88	1.33	1.39	.80	.37	.73	.91
IN.	5.18	4.37	1.94	5.23	3.35	4.47	1.48	1.61	.89	.43	.84	1.02

e Estimated

APALACHICOLA RIVER BASIN
02344350 FLINT RIVER NEAR LOVEJOY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	196	198	177	278	307	304	179	128	119	211	107	114
MAX	584	549	396	590	614	537	320	340	304	1147	275	300
(WY)	1996	1993	1993	1996	1990	1990	1989	1991	1989	1994	1992	1994
MIN	21.6	54.0	53.2	98.7	121	112	76.8	55.0	21.0	30.3	44.8	30.7
(WY)	1988	1988	1989	1986	1989	1988	1986	1992	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1985 - 1996	
ANNUAL TOTAL	91980		107708		193	
ANNUAL MEAN	252		294		294	
HIGHEST ANNUAL MEAN					1996	
LOWEST ANNUAL MEAN					102	
HIGHEST DAILY MEAN	7860	Oct 5	7860	Oct 5	11000	Jul 5 1994
LOWEST DAILY MEAN	15	Aug 16	29	Oct 2, July 14	7.0	Oct 14 1993
ANNUAL SEVEN-DAY MINIMUM	20	Jul 21	34	Jul 8	10	Oct 8 1993
INSTANTANEOUS PEAK FLOW			8380	Oct 5	a19000	Jul 5 1994
INSTANTANEOUS PEAK STAGE			17.78	Oct 5	b23.6	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.94		2.26		1.49	
ANNUAL RUNOFF (INCHES)	26.32		30.82		20.22	
10 PERCENT EXCEEDS	482		491		382	
50 PERCENT EXCEEDS	106		125		94	
90 PERCENT EXCEEDS	30		43		31	

a From rating curve extended above 7000 ft³/s on basis of slope-conveyance study.

b From floodmarks.

APALACHICOLA RIVER BASIN

02344380 FLINT RIVER NEAR INMAN, GA.

LOCATION.--Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Hill Bridge Road, 0.6 mi downstream from Gay Creek, and 1.4 mi east of State Highway 92 at Inman, and at mile 322.3.

DRAINAGE AREA.--158 mi².

PERIOD OF RECORD.--July 1975 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0750	81213	84	86	86	7.0	7.2	14.0	9.0	9.8	97
NOV 30...	0745	81341	182	79	74	7.1	7.0	10.0	1.0	10.4	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	13	1.7	70	31	17	0.150	0.040	0.040	3.8
NOV 30...	81341	12	<1.0	50	25	9	0.190	0.030	0.040	3.0

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.

LOCATION.--Lat 33°18'33", long 84°23'36", Spalding-Fayette County line, Hydrologic Unit 03130005, at bridge on State Highway 92, 3.4 mi upstream from Central of Georgia Railroad bridge, 8.5 mi northwest of Griffin, and at mile 313.2.

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0720	66	83	79	7.0	7.0	15.0	9.0	9.6	97
NOV 30...	0700	103	75	70	7.0	6.9	10.0	1.0	10.2	92
JAN 05...	0830	320	58	57	7.0	6.5	5.0	2.0	11.4	91
FEB 21...	0500	310	65	61	6.8	6.8	10.0	7.0	9.8	89
MAR 20...	0500	830	55	52	6.8	6.4	9.0	1.0	10.3	92
APR 18...	0500	92	75	71	6.7	6.7	16.0	10.0	8.7	90
MAY 23...	0500	53	82	77	6.8	6.7	23.0	17.0	6.9	83
JUN 20...	0500	66	85	80	7.0	6.8	25.5	21.5	5.8	73
JUL 11...	0500	36	91	87	7.1	7.0	25.0	19.0	5.9	73
AUG 22...	0500	53	90	87	6.9	7.2	24.0	18.0	6.1	74
SEP 19...	0500	265	66	64	6.6	6.7	20.0	16.0	7.6	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 25...	10	9	<1.0	170	29	7
NOV 30...	10	12	<1.0	110	23	7
JAN 05...	19	15	1.4	230	16	6
FEB 21...	12	9	1.2	130	19	7
MAR 20...	48	16	1.3	1300	16	23
APR 18...	11	24	<1.0	70	24	9
MAY 23...	17	16	<1.0	220	30	9
JUN 20...	13	13	<1.0	790	29	7
JUL 11...	10	11	<1.0	50	31	5
AUG 22...	14	9	<1.0	490	27	9
SEP 19...	38	14	1.1	4900	14	29

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	0.140	<0.030	0.20	0.20	0.34	0.040	3.0
NOV 30...	0.160	<0.030	0.20	0.20	0.36	0.030	3.0
JAN 05...	0.200	<0.030	0.20	0.20	0.40	0.060	3.0
FEB 21...	0.310	<0.030	0.20	0.20	0.51	0.030	3.0
MAR 20...	0.210	<0.030	0.40	0.40	0.61	0.130	4.0
APR 18...	0.210	<0.030	0.30	0.30	0.51	<0.020	3.0
MAY 23...	0.370	0.040	0.36	0.40	0.77	0.060	4.0
JUN 20...	0.320	<0.030	0.40	0.40	0.72	0.030	3.0
JUL 11...	0.190	0.050	0.25	0.30	0.49	0.040	3.0
AUG 22...	0.350	<0.030	0.30	0.30	0.65	0.050	3.0
SEP 19...	0.320	<0.030	0.40	0.40	0.72	0.090	5.0

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of bridge pier on State Highway 16, 1.5 mi downstream from Shoal Creek, 5.5 mi upstream from Line Creek, 10 mi west of Griffin, and at mile 304.4.
DRAINAGE AREA.--272 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Some diurnal fluctuation at low flow. City of Griffin diverts approximately 8 ft³/s for municipal supply at pumping plant 6 mi upstream from gage. Approximately 1 ft³/s of the diversion discharged as sewage effluent into tributaries of Towaliga River, and approximately 3 ft³/s returned as sewage effluent to Flint River approximately 49 mi downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, present datum, from floodmarks located by local resident, discharge, 15,300 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	0800	*9,200	*15.89	Jan. 31	2000	2,540	11.26
Nov. 9	1900	3,530	12.13	Feb. 4	1300	4,710	12.97
Nov. 13	2100	2,880	11.59	Mar. 8	0300	6,730	13.84
Jan. 28	2200	6,640	14.11				

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	46	222	222	350	2140	464	550	907	e130	e50	46	83
2	43	653	216	426	1980	443	530	1210	e100	e48	46	75
3	41	974	187	573	3290	298	442	822	e86	e44	50	63
4	653	1420	183	786	4370	258	361	320	e90	e42	49	70
5	4200	1700	187	559	2640	240	329	248	e160	e36	63	145
6	8660	1080	198	347	1280	618	335	217	e200	e38	89	119
7	4990	724	319	723	795	3830	412	193	e160	e36	64	97
8	2080	1300	431	983	604	6470	476	176	e110	e34	148	66
9	1010	2930	640	1150	527	4870	429	163	e230	e31	117	52
10	401	2530	689	988	475	2060	312	154	e500	28	113	54
11	246	1590	471	496	427	1080	274	139	e450	29	72	60
12	201	2100	362	456	380	658	256	132	e200	39	54	53
13	182	2480	273	483	334	499	298	124	e150	33	82	50
14	225	2160	239	551	307	583	327	119	e130	30	120	42
15	394	1160	223	444	294	565	325	106	e110	36	81	40
16	415	618	212	322	285	510	304	112	e100	49	46	48
17	372	432	217	284	274	575	266	106	e90	51	39	58
18	237	342	219	275	262	683	228	108	e80	67	41	122
19	170	291	596	632	256	794	213	101	e70	42	40	277
20	148	263	905	841	328	862	221	92	e60	46	44	161
21	135	242	1330	1160	383	1070	276	89	e56	71	57	72
22	123	226	1360	921	435	854	318	86	e60	128	48	185
23	120	216	655	429	377	484	357	e78	e64	96	34	314
24	111	209	352	476	300	385	309	e76	e62	69	34	526
25	109	204	288	675	271	370	274	e110	e60	49	84	433
26	105	216	256	732	252	438	261	e700	e64	59	239	118
27	105	222	236	1850	241	500	281	e300	e60	64	336	83
28	210	199	221	5280	415	747	292	e400	e58	113	241	103
29	273	195	209	4740	561	772	276	e700	e56	154	283	230
30	383	197	199	1900	---	838	789	e360	e54	98	213	225
31	376	---	208	1990	---	687	---	e200	---	60	110	---
TOTAL	26764	27095	12303	31822	24483	33505	10321	8648	3800	1770	3083	4024
MEAN	863	903	397	1027	844	1081	344	279	127	57.1	99.5	134
MAX	8660	2930	1360	5280	4370	6470	789	1210	500	154	336	526
MIN	41	195	183	275	241	240	213	76	54	28	34	40
CFSM	3.17	3.32	1.46	3.77	3.10	3.97	1.26	1.03	.47	.21	.37	.49
IN.	3.66	3.71	1.68	4.35	3.35	4.58	1.41	1.18	.52	.24	.42	.55

e Estimated

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	164	253	366	520	617	702	534	302	228	256	169	122
MAX	863	1641	1009	1390	1879	1685	1466	795	928	2644	548	437
(WY)	1996	1949	1984	1946	1961	1971	1964	1978	1963	1994	1967	1994
MIN	6.01	45.6	93.2	107	163	174	105	73.7	11.9	12.4	39.0	11.2
(WY)	1955	1942	1961	1956	1941	1988	1986	1992	1988	1988	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	156512		187618			
ANNUAL MEAN	429		513		351	
HIGHEST ANNUAL MEAN					573	
LOWEST ANNUAL MEAN					145	
HIGHEST DAILY MEAN	8660	Oct 6	8660	Oct 6	27000	Jul 6 1994
LOWEST DAILY MEAN	12	Aug 2	28	Jul 10	.79	Jul 2 1988
ANNUAL SEVEN-DAY MINIMUM	14	Aug 1	32	Jul 8	1.8	Jun 27 1988
INSTANTANEOUS PEAK FLOW			9200	Oct 6	a32500	Jul 6 1994
INSTANTANEOUS PEAK STAGE			15.89	Oct 6	b24.22	Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.58		1.88		1.29	
ANNUAL RUNOFF (INCHES)	21.41		25.66		17.54	
10 PERCENT EXCEEDS	968		1070		726	
50 PERCENT EXCEEDS	203		241		190	
90 PERCENT EXCEEDS	39		50		58	

a From rating curve extended above 18,000 ft³/s on basis of velocity-area and flow-over-road measurement of peak flow.

b From floodmarks.

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0630	81213	109	81	82	7.0	7.2	15.0	9.0	9.4	95
NOV 30...	0630	81341	196	75	70	7.1	7.0	10.0	1.0	10.2	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	11	1.0	70	--	30	10	0.120	0.020	0.020	4.4
NOV 30...	81341	10	1.0	230	24	22	5	0.180	0.060	0.040	3.0

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi northeast of Senoia, 4.1 mi upstream from Whitewater Creek, and 11.2 mi upstream from mouth.

DRAINAGE AREA.--101 mi², approximately.

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

REVISED RECORDS.--WDR GA-87-1: 1986 (m).

GAGE.--Water-stage recorder. Datum of gage is 729.5 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the period of estimated daily discharges, which are fair. Low flow affected by withdrawals and return flow by several municipalities and by regulation of the water level of Lake Peachtree.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1500	2,790	11.08	Jan. 31	2200	1,400	9.18
Nov. 8	2300	1,520	9.40	Feb. 3	1500	3,830	11.92
Nov. 12	1900	1,500	9.37	Mar. 8	0100	*5,440	*12.97
Jan. 27	2100	4,890	12.64				

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	15	154	78	154	1130	178	257	441	52	17	21	24
2	17	282	67	267	758	138	223	196	41	15	21	22
3	18	363	62	322	2410	120	181	119	38	15	20	24
4	1070	535	64	184	1410	109	163	102	37	11	18	29
5	2660	372	79	126	637	103	149	88	53	10	18	79
6	2010	225	77	113	351	316	170	79	69	10	30	79
7	768	367	212	319	290	2500	263	71	50	10	26	45
8	328	1260	293	583	254	3010	213	58	41	11	20	32
9	149	1150	289	404	229	971	162	52	106	11	22	23
10	97	514	247	229	265	463	139	49	242	11	23	35
11	73	443	192	166	269	317	124	45	129	e11	19	30
12	62	1240	157	227	185	247	118	45	70	e12	21	24
13	56	1030	146	275	153	207	119	42	57	e12	31	19
14	46	497	140	189	146	184	131	38	49	e11	25	17
15	59	342	115	141	142	172	131	38	45	e17	20	16
16	62	277	81	122	137	171	120	37	39	e18	18	17
17	55	227	88	116	134	230	106	37	35	e16	15	31
18	52	171	93	118	126	238	98	36	27	e13	32	42
19	47	137	309	338	122	430	88	34	23	10	29	33
20	43	113	753	445	193	840	98	32	21	9.9	20	26
21	40	94	566	290	248	451	163	29	19	16	17	27
22	38	87	245	177	198	276	159	27	22	29	15	153
23	36	82	167	142	160	211	114	24	23	21	14	176
24	35	81	131	231	141	179	114	22	21	15	13	72
25	36	89	112	340	127	178	102	26	21	15	34	44
26	35	87	102	253	117	261	101	52	23	24	83	35
27	37	80	95	2700	113	259	175	41	21	29	66	30
28	90	78	93	2640	137	342	118	130	18	62	95	38
29	99	79	84	921	203	408	103	276	18	40	48	107
30	88	90	80	466	---	311	416	129	18	29	33	124
31	101	---	84	901	---	251	---	70	---	23	26	---
TOTAL	8322	10546	5301	13899	10785	14071	4618	2465	1428	553.9	893	1453
MEAN	268	352	171	448	372	454	154	79.5	47.6	17.9	28.8	48.4
MAX	2660	1260	753	2700	2410	3010	416	441	242	62	95	176
MIN	15	78	62	113	113	103	88	22	18	9.9	13	16
CFSM	2.66	3.48	1.69	4.44	3.68	4.49	1.52	.79	.47	.18	.29	.48
IN.	3.07	3.88	1.95	5.12	3.97	5.18	1.70	.91	.53	.20	.33	.54

e Estimated

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	69.5	110	146	217	258	268	184	114	72.1	87.1	64.0	39.8
MAX	306	465	425	460	547	597	509	281	192	933	261	138
(WY)	1990	1993	1984	1990	1995	1971	1979	1978	1989	1994	1992	1994
MIN	4.12	13.8	45.7	36.0	83.4	71.8	43.7	21.8	4.63	3.15	3.93	5.32
(WY)	1979	1982	1989	1981	1989	1988	1986	1988	1988	1988	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	62444.6		74334.9		135	
ANNUAL MEAN	171		203		203	
HIGHEST ANNUAL MEAN					55.5	
LOWEST ANNUAL MEAN					15000	
HIGHEST DAILY MEAN	4630	Feb 11	3010	Mar 8	1.0	Jul 5 1994
LOWEST DAILY MEAN	8.8	Jul 27	9.9	Jul 20	1.3	Oct 7 1986
ANNUAL SEVEN-DAY MINIMUM	10	Jul 22	11	Jul 4	28400	Oct 1 1986
INSTANTANEOUS PEAK FLOW			5440	Mar 8	a20.1	Jul 5 1994
INSTANTANEOUS PEAK STAGE			12.97	Mar 8	1.34	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.69		2.01		18.20	
ANNUAL RUNOFF (INCHES)	23.00		27.38		276	
10 PERCENT EXCEEDS	337		405		71	
50 PERCENT EXCEEDS	75		93		16	
90 PERCENT EXCEEDS	15		18			

a Observed

APALACHICOLA RIVER BASIN

02344752 LINE CREEK AT DIGBY, GA.

LOCATION.--Lat 33°15'23", long 84°29'50", Coweta-Fayette County line, Hydrologic Unit 03130005, at State Highway 16, 2.2 mi downstream from Whitewater Creek, 1.6 mi upstream from Dead Oak Creek, at Digby.

DRAINAGE AREA.--216 mi².

PERIOD OF RECORD.--August 1991 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0600	81213	92	110	112	7.0	7.1	15.0	9.0	9.6	97
NOV 30...	0600	81341	235	77	71	6.9	6.9	10.0	1.0	10.0	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	7.8	1.2	80	28	7	0.130	0.030	0.070	4.5
NOV 30...	81341	9.0	<1.0	20	19	--	0.130	<0.030	0.040	3.0

APALACHICOLA RIVER BASIN

02344810 WHITE OAK CREEK AT ALVATON, GA.

LOCATION.--Lat 33°10'44", long 84°34'52", Meriwether County, Hydrologic Unit 03130005, at bridge on State Highway 85, 0.6 mi north of Alvaton.

DRAINAGE AREA.--146 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0540	81213	71	70	71	6.9	7.1	15.0	9.0	9.2	93
NOV 30...	0530	81341	126	58	53	7.1	6.8	10.0	1.0	10.2	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	12	0.9	130	--	25	6	0.120	0.020	0.020	5.0
NOV 30...	81341	9.0	<1.0	170	16	17	4	0.140	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02344960 RED OAK CREEK NEAR IMLAC, GA.

LOCATION.--Lat 33°02'18", long 84°33'08", Meriwether County, Hydrologic Unit 03130005, at bridge on Harman Hall Road, 1.2 mi northeast of Imlac.

DRAINAGE AREA.--144 mi², approximately.

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0950	81213	54	54	7.0	7.0	16.0	17.0	9.5	98
NOV 21...	0800	81341	46	42	6.8	6.9	10.0	5.0	10.2	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	13	1.1	790	—	20	120	0.070	0.050	0.050	3.0
NOV 21...	81341	10	<1.0	80	20	13	6	0.110	0.060	0.020	4.0

APALACHICOLA RIVER BASIN

02345000 FLINT RIVER NEAR MOLENA, GA.

LOCATION.--Lat 32°59'21", long 84°31'45", Meriwether-Pike County line, Hydrologic Unit 03130005, at bridge on State Highways 18 and 74, 1.75 mi upstream of Elkins Creek, 2 mi southwest of Molena, and at mile 278.

DRAINAGE AREA.--990 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0915	81213	255	75	75	7.1	7.3	17.0	16.0	9.4	99
NOV 21...	0740	81341	710	56	54	6.9	7.1	9.0	5.0	10.4	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	8.2	0.8	110	--	24	28	0.100	0.030	0.080	3.9
NOV 21...	81341	14	<1.0	20	16	14	8	0.170	0.040	0.030	4.0

APALACHICOLA RIVER BASIN

02345330 ELKINS CREEK AT MOLENA, GA.

LOCATION.--Lat 33°00'45", long 84°28'59", Pike County, Hydrologic Unit 03130005, at bridge on State Highway 109, 2 mi downstream of Bull Creek, 0.4 mi upstream of Mountain Creek, and 1 mi east of Molena.

DRAINAGE AREA.--75.7 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0850	81213	13	65	67	6.9	7.0	15.0	16.0	9.8	99
NOV 21...	0700	81341	42	52	49	6.8	6.8	9.0	3.0	10.2	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	14	0.9	230	--	22	96	0.030	0.040	0.040	5.4
NOV 21...	81341	8.0	<1.0	70	18	15	6	0.070	<0.030	0.020	4.0

APALACHICOLA RIVER BASIN

02346180 FLINT RIVER NEAR THOMASTON, GA.

LOCATION.--Lat 32°50'20", long 84°25'27", Talbot-Upson County line, Hydrologic Unit 03130005, at bridge on State Highway 36, 2.5 mi upstream from Lazar Creek, and 7.8 mi west of Thomaston.

DRAINAGE AREA.--1220 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0710	81213	370	67	68	7.3	7.3	17.0	13.0	9.4	98
NOV 21...	0530	81341	1080	53	51	7.0	7.3	10.0	3.0	9.8	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	6.7	0.6	330	--	22	72	<0.020	0.030	0.030	4.0
NOV 21...	81341	11	<1.0	110	16	12	5	0.150	0.030	0.030	3.0

APALACHICOLA RIVER BASIN

02346195 LAZER CREEK NEAR TALBOTTON, GA.

LOCATION.--Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at bridge on State Highway 41, 5 mi north of Talbotton.

DRAINAGE AREA.--81.3 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0630	81213	9.5	51	52	7.0	--	15.0	13.0	9.3	93
NOV 21...	0500	81341	3.5	50	46	6.7	7.2	11.0	3.0	9.7	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	9.0	0.5	330	--	--	56	0.030	0.010	0.040	1.8
NOV 21...	81341	8.0	<1.0	70	20	16	11	0.050	0.040	0.020	2.0

APALACHICOLA RIVER BASIN

02346500 POTATO CREEK NEAR THOMASTON, GA.

LOCATION.--Lat 32°54'15", long 84°21'45", Upson County, Hydrologic Unit 03130005, at bridge on State Highway 74, 1 mi downstream from Ten Mile Creek, and 2.5 mi northwest of Thomaston.

DRAINAGE AREA.--186 mi².

PERIOD OF RECORD.--November 1969 to June 1972, April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0815	81213	33	54	54	7.1	7.1	15.0	14.0	8.9	90
NOV 21...	0630	81341	75	48	45	7.0	7.2	10.0	3.0	9.7	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	10	0.8	430	--	18	60	0.120	0.020	0.030	2.9
NOV 21...	81341	11	<1.0	80	20	11	8	0.190	0.050	0.030	3.0

APALACHICOLA RIVER BASIN

02346540 BELL CREEK NEAR LINCOLN PARK, GA.

LOCATION.--Lat 32°50'17", long 84°21'32", Upson County, Hydrologic Unit 03130005, at bridge on Gordon School Road, 0.5 mi upstream from mouth, and 3 mi southwest of Lincoln Park.

DRAINAGE AREA.--3.0 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0750	81213	3.3	125	125	7.2	7.3	15.0	13.0	9.7	97
NOV 21...	0600	81341	6.1	100	92	7.0	7.4	10.0	3.0	9.9	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	14	0.7	1300	--	40	94	0.390	0.050	0.050	2.6
NOV 21...	81341	15	<1.0	110	22	30	7	0.370	0.120	0.030	2.0

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.--Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi upstream from Auchumpkee Creek, 5 mi downstream from Swift Creek, 13 mi southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.--1,850 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft above sea level. July 1, 1911 to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918 to May 31, 1923, water-stage recorder, at site 2.5 mi downstream at different datum. July 21, 1928 to Dec. 31, 1931, and Mar. 18, 1937 to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1912, that of Mar. 15, 1929.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 8	0300	14,100	15.42	Mar. 7	2300	*41,000	*28.32
Feb. 3	0700	26,300	22.44				

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	387	1260	1060	1730	11300	4120	4050	4830	1680	464	554	550
2	365	1300	1060	2630	14900	3340	3600	4190	1150	440	721	474
3	360	2590	1060	2840	23900	2880	3290	3640	928	421	524	466
4	894	2990	1020	2860	17200	2500	2980	2830	848	405	539	450
5	8810	3020	1050	2780	13600	2290	2700	1980	843	385	552	439
6	11900	3430	1100	2330	11200	4270	2530	1680	783	371	634	513
7	13600	3070	1470	3090	7260	27100	2580	1510	760	366	780	560
8	13500	3930	1940	4850	4700	37400	2680	1370	784	368	713	525
9	9630	4550	2120	4550	3890	26700	2670	1260	923	355	666	454
10	4380	5650	2540	4220	3510	18800	2460	1170	1560	343	714	475
11	1910	7490	2450	3620	3220	12400	2200	1110	1890	342	764	562
12	1300	8660	2030	2870	3020	6690	2060	1090	1690	317	686	541
13	1090	7660	1710	2680	2780	4430	1990	1030	1380	307	577	492
14	1010	7090	1500	2560	2580	3680	2050	989	1080	304	507	419
15	1110	6260	1400	2450	2490	3380	2120	956	923	374	502	375
16	1240	4470	1340	2180	2420	3240	2120	929	835	627	517	345
17	1230	2790	1330	1910	2330	4970	1990	915	779	596	457	406
18	1150	2080	1380	1790	2260	7510	1850	899	742	570	407	433
19	994	1780	5200	2410	2220	6140	1790	854	706	463	385	425
20	850	1580	6170	3610	2790	6020	1890	826	699	426	435	464
21	779	1460	4920	3650	3260	5720	1900	779	845	496	470	559
22	721	1340	4600	3550	3030	5200	1950	780	724	637	405	568
23	684	1250	4200	3090	2840	4330	1990	732	632	588	370	605
24	658	1200	2900	2590	2600	3400	1960	668	567	619	346	784
25	642	1180	2030	3890	2370	3080	1810	647	568	619	447	895
26	619	1150	1750	3890	2220	3810	1760	702	616	705	512	863
27	641	1130	1610	7140	2140	3650	1830	717	587	739	493	615
28	1830	1120	1510	10500	2770	5120	1780	1680	556	669	770	510
29	1640	1090	1420	13500	4820	5440	1800	2840	520	708	756	666
30	1400	1060	1350	14000	---	4830	3990	2580	493	735	692	947
31	1310	---	1320	12300	---	4470	---	2250	---	640	671	---
TOTAL	86634	93630	66540	136060	163620	236910	70370	48433	27091	15399	17566	16380
MEAN	2795	3121	2146	4389	5642	7642	2346	1562	903	497	567	546
MAX	13600	8660	6170	14000	23900	37400	4050	4830	1890	739	780	947
MIN	360	1060	1020	1730	2140	2290	1760	647	493	304	346	345
CFSM	1.51	1.69	1.16	2.37	3.05	4.13	1.27	.84	.49	.27	.31	.30
IN.	1.74	1.88	1.34	2.74	3.29	4.76	1.42	.97	.54	.31	.35	.33

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	975	1397	2450	3251	4130	5262	3563	2044	1415	1748	1220	866
MAX	4691	7856	8151	7256	10960	22290	11240	6350	4773	14430	4371	2908
(WY)	1930	1949	1920	1946	1961	1929	1964	1920	1922	1994	1928	1953
MIN	108	247	668	715	1049	1303	1045	524	246	165	174	170
(WY)	1955	1932	1961	1956	1938	1918	1986	1914	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1911 - 1996	
ANNUAL TOTAL	805164		978633			
ANNUAL MEAN	2206		2674		2345	
HIGHEST ANNUAL MEAN					4500	
LOWEST ANNUAL MEAN					1043	
HIGHEST DAILY MEAN	20900	Feb 18	37400	Mar 8	92000	Jul 6 1994
LOWEST DAILY MEAN	235	Aug 21	304	Jul 14	87	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	273	Aug 15	334	Jul 8	98	Jul 18 1986
INSTANTANEOUS PEAK FLOW			41000	Mar 7	100000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			28.32	Mar 7	a45.73	Jul 6 1994
INSTANTANEOUS LOW FLOW			b294	Jul 13,14	c81	Aug 7 1986
ANNUAL RUNOFF (CFSM)	1.19		1.45		1.27	
ANNUAL RUNOFF (INCHES)	16.19		19.68		17.22	
10 PERCENT EXCEEDS	5270		5200		4840	
50 PERCENT EXCEEDS	1300		1410		1360	
90 PERCENT EXCEEDS	367		464		450	

a From floodmarks.

b Gage height, 1.50 ft.

c Gage height, 0.83 ft.

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1979, July 1990 to November 1995 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 138 microsiemens Aug. 14, 1962; minimum daily, 25 microsiemens Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34°C May 18, 19, 23, 1962; minimum, 0.0°C Jan. 10, 1962.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0615	81213	692	76	77	6.8	7.4	14.0	6.0	9.0	88
NOV 28...	0500	81341	1130	64	59	6.9	7.2	12.0	15.0	9.4	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	14	0.7	20	--	25	92	0.070	0.020	0.060	3.6
NOV 28...	81341	7.0	<1.0	50	14	18	2	0.140	<0.030	0.020	2.0

APALACHICOLA RIVER BASIN

02348060 FLINT RIVER NEAR ROBERTA, GA

LOCATION.--Lat 32°40'08", long 84°05'56", Taylor-Crawford County line, Hydrologic Unit 03130005, at bridge on State Highway 128, 6 mi southwest of Roberta.

DRAINAGE AREA.--1990 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0715	81213	535	78	78	7.4	7.4	15.0	6.0	8.6	86
NOV 28...	0600	81341	1140	64	60	7.1	7.2	12.0	15.0	8.8	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	9.2	0.7	50	--	26	20	0.050	0.030	0.030	3.6
NOV 28...	81341	7.0	<1.0	50	10	19	4	0.140	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02348300 PATSILIGA CREEK NEAR REYNOLDS, GA.

LOCATION.--Lat 32°34'20", long 84°05'27", Taylor County, Hydrologic Unit 03130005, at bridge on State Highway 128, 1 mi north of Reynolds.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0745	81213	36	33	34	6.9	6.7	13.0	6.0	8.8	84
NOV 28...	0630	81341	125	29	28	6.6	6.3	13.0	15.0	8.6	82

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	4.3	0.8	<20	--	7	16	0.230	0.020	0.060	3.5
NOV 28...	81341	3.0	1.1	50	4	4	5	0.170	<0.030	0.030	4.0

APALACHICOLA RIVER BASIN

02348440 FLINT RIVER NEAR MARSHALLVILLE, GA.

LOCATION.--Lat 32°26'12", long 84°01'36", Macon County, Hydrologic Unit 03130005, at bridge on State Highway 127, 4 mi west of Marshallville.

DRAINAGE AREA.--2360 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0820	81213	1400	72	72	6.9	7.2	16.0	7.0	8.9	91
NOV 28...	0700	81341	1860	58	54	6.7	6.8	13.0	15.0	9.4	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	13	0.6	20	--	23	52	0.130	0.030	0.030	3.1
NOV 28...	81341	10	<1.0	20	10	17	12	0.160	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02349140 WHITEWATER CREEK NEAR OGLETHORPE, GA.

LOCATION.--Lat 32°20'56", long 84°03'51", Macon County, Hydrologic Unit 03130005, at bridge on State Highway 128, 3 mi north of Oglethorpe.

DRAINAGE AREA.--240 mi², approximately.

PERIOD OF RECORD.--April 1995 to September 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0840	81213	290	15	16	6.7	5.9	13.0	8.0	8.8	84
NOV 28...	0730	81341	340	16	15	6.4	5.8	14.0	16.0	9.6	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	5.1	<0.1	40	--	4	68	0.320	0.040	0.020	1.0
NOV 28...	81341	3.0	<1.0	330	2	1	6	0.310	<0.030	<0.020	1.0

APALACHICOLA RIVER BASIN

02349400 BUCK CREEK NEAR IDEAL, GA.

LOCATION.--Lat 32°18'33", long 84°09'43", Macon County, Hydrologic Unit 03130006, at bridge on State Highway 195, 2.5 mi south of Ideal.

DRAINAGE AREA.--196 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0930	81213	110	24	24	6.4	6.5	13.0	9.0	9.0	86
NOV 28...	0800	81341	150	25	23	6.2	6.3	13.0	16.0	9.4	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	8.2	0.6	130	--	6	220	0.160	0.020	0.030	2.6
NOV 28...	81341	4.0	<1.0	170	4	5	3	0.180	<0.030	<0.020	3.0

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on State Highway 49, 1,000 ft upstream from Central of Georgia Railway bridge, 1,400 ft upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi west of Montezuma and at mile 180.6.

DRAINAGE AREA.--2,900 mi², approximately; includes that of Buck Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft above sea level. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi upstream at same datum. July 1, 1930 to June 30, 1933, and Oct. 1, 1934 to Dec. 12, 1941, nonrecording gage, and Dec. 13, 1941 to Oct. 25, 1955, water-station recorder at site 500 ft downstream at same datum.

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft at former site, from National Weather Service, discharge, 97,000 ft³/s, from rating curve extended above 10,000 ft³/s on basis of peak flows passing upstream and downstream stations. Flood on Mar. 17, 1929, reached a stage of 27.4 ft, at present site, from National Weather Service discharge, 92,300 ft³/s, from rating curve extended above 65,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 5	1900	27,100	19.03	Mar. 10	1400	*36,800	*21.33

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	981	2270	1930	2580	15100	5410	7610	4420	3440	1140	1260	1250
2	945	2080	1890	3090	16800	6080	7050	5590	2780	1100	1310	1210
3	920	2050	1880	3820	17100	5550	6310	5910	2280	1070	1730	1140
4	945	2700	1890	4190	18200	4520	5560	5310	2010	1040	1520	1110
5	1160	3400	1910	4140	25700	3840	4980	4400	1880	1080	1300	1140
6	3680	3500	1950	3920	25100	3820	4560	3430	1770	1210	1250	1290
7	5550	3740	2240	3830	20400	6190	4290	2880	1690	1180	1210	1180
8	6460	4100	2530	4130	17300	8600	4200	2740	1680	1160	1340	1140
9	7510	4370	2930	5240	14500	18600	4190	2600	1800	1130	1380	1140
10	9830	4900	3130	5760	11300	35700	4120	2420	2030	1070	1290	1100
11	11900	5360	3310	5650	7610	31800	3930	2270	2190	1030	1320	1090
12	11300	6000	3350	5250	5340	24800	3660	2140	2510	992	1340	1120
13	5140	6750	3040	4520	4640	19400	3460	2060	2470	977	1390	1110
14	2400	7640	2700	3990	4250	15100	3360	2000	2430	989	1300	1070
15	2070	8570	2460	3730	3920	10800	3400	1940	2240	989	1210	1000
16	1930	8990	2320	3560	3700	6950	3500	1880	2030	1060	1130	955
17	1940	8680	2240	3330	3550	5830	3470	1840	1930	1270	1090	994
18	1930	7090	2210	3080	3410	7480	3310	1810	1780	1540	1050	1040
19	1860	4090	3320	2940	3280	8600	3160	1780	1640	1530	1000	1010
20	1750	3050	5470	3130	3670	9420	3040	1730	1540	1410	960	977
21	1600	2700	7170	3940	4190	9870	3100	1680	1510	1250	937	961
22	1490	2480	7870	4350	4760	9500	3100	1630	1600	1340	953	1080
23	1400	2320	7730	4370	4700	8700	3080	1580	1640	1460	946	1190
24	1340	2200	6650	4290	4310	7790	3110	1550	1490	1380	962	1170
25	1300	2130	5250	4050	3910	6530	3090	1520	1400	1290	1120	1160
26	1280	2100	3740	4480	3560	5680	2990	1490	1330	1270	1260	1260
27	1260	2060	3080	5630	3310	5730	3110	1490	1290	1310	1230	1310
28	1560	2020	2800	6970	3330	6220	3220	1810	1260	1370	1240	1260
29	2440	2000	2620	7840	3970	6560	3130	2650	1220	1340	1300	1200
30	2930	1980	2490	9170	---	7230	3370	3880	1180	1270	1390	1250
31	2600	---	2430	11800	---	7750	---	3970	---	1260	1320	---
TOTAL	99401	121320	104530	146770	260910	320050	118460	82400	56040	37507	38038	33907
MEAN	3206	4044	3372	4735	8997	10320	3949	2658	1868	1210	1227	1130
MAX	11900	8990	7870	11800	25700	35700	7610	5910	3440	1540	1730	1310
MIN	920	1980	1880	2580	3280	3820	2990	1490	1180	977	937	955
CFSM	1.11	1.39	1.16	1.63	3.10	3.56	1.36	.92	.64	.42	.42	.39
IN.	1.28	1.56	1.34	1.88	3.35	4.11	1.52	1.06	.72	.48	.49	.43

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1707	2120	3577	4880	5973	6781	5624	3288	2379	2638	2115	1573
MAX	6339	7272	11490	12350	11380	14980	15030	9758	6122	23990	4854	4105
(WY)	1965	1993	1949	1936	1974	1971	1936	1953	1959	1994	1936	1953
MIN	639	837	1306	1443	1962	1953	1736	1106	729	579	623	702
(WY)	1955	1932	1934	1956	1989	1911	1986	1986	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1905 - 1996	
ANNUAL TOTAL	1230907		1419333			
ANNUAL MEAN	3372		3878		3567	
HIGHEST ANNUAL MEAN					5593	
LOWEST ANNUAL MEAN					1752	
HIGHEST DAILY MEAN	26400	Feb 21	35700	Mar 10	130000	Jul 7 1994
LOWEST DAILY MEAN	841	Aug 22	920	Oct 3	448	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	865	Aug 17	973	Aug 18	477	Aug 4 1986
INSTANTANEOUS PEAK FLOW			36800	Mar 10	136000	Jul 8 1994
INSTANTANEOUS PEAK STAGE			21.33	Mar 10	a34.11	Jul 8 1994
INSTANTANEOUS LOW FLOW			910	Oct 3	440	Aug 8 1986
ANNUAL RUNOFF (CFSM)	1.16		1.34		1.23	
ANNUAL RUNOFF (INCHES)	15.79		18.21		16.71	
10 PERCENT EXCEEDS	7620		7670		7050	
50 PERCENT EXCEEDS	2210		2480		2360	
90 PERCENT EXCEEDS	972		1120		1060	

a From floodmarks.

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	1.13	3.62	3.05	4.12	14.55	7.78	9.89	6.62	5.37	1.49	1.76	1.73
2	1.05	3.31	2.98	4.88	15.30	8.49	9.40	7.98	4.41	1.41	1.85	1.65
3	.98	3.25	2.95	5.86	15.43	7.93	8.72	8.32	3.64	1.34	2.68	1.51
4	1.05	4.29	2.98	6.34	15.91	6.75	7.95	7.67	3.18	1.28	2.28	1.44
5	1.53	5.31	3.02	6.28	18.58	5.90	7.30	6.60	2.95	1.35	1.84	1.49
6	5.61	5.44	3.07	6.01	18.38	5.87	6.79	5.34	2.77	1.64	1.74	1.81
7	7.94	5.77	3.57	5.88	16.83	8.54	6.48	4.56	2.61	1.59	1.66	1.58
8	8.86	6.24	4.04	6.27	15.52	10.68	6.36	4.37	2.60	1.53	1.93	1.49
9	9.79	6.56	4.65	7.59	14.28	15.67	6.35	4.15	2.81	1.46	2.01	1.49
10	11.59	7.20	4.93	8.17	12.56	21.07	6.25	3.86	3.21	1.35	1.81	1.40
11	12.98	7.74	5.18	8.05	9.85	20.19	6.02	3.62	3.49	1.25	1.88	1.39
12	12.59	8.41	5.24	7.61	7.71	18.28	5.67	3.40	4.00	1.16	1.92	1.45
13	7.23	9.13	4.80	6.75	6.90	16.43	5.39	3.27	3.94	1.12	2.02	1.44
14	3.84	9.90	4.29	6.09	6.42	14.53	5.25	3.16	3.88	1.15	1.85	1.33
15	3.29	10.66	3.92	5.76	6.01	12.25	5.31	3.06	3.57	1.15	1.65	1.18
16	3.04	10.99	3.70	5.52	5.72	9.28	5.44	2.96	3.22	1.30	1.47	1.07
17	3.07	10.75	3.58	5.22	5.51	8.23	5.41	2.89	3.04	1.77	1.38	1.16
18	3.04	9.40	3.53	4.86	5.32	9.77	5.19	2.84	2.78	2.33	1.30	1.26
19	2.91	6.19	5.16	4.66	5.15	10.68	4.97	2.78	2.52	2.31	1.18	1.19
20	2.72	4.82	7.83	4.92	5.67	11.31	4.81	2.69	2.33	2.06	1.08	1.12
21	2.44	4.30	9.51	6.03	6.35	11.63	4.89	2.60	2.26	1.73	1.03	1.08
22	2.22	3.95	10.10	6.54	7.04	11.36	4.89	2.51	2.44	1.93	1.07	1.36
23	2.06	3.70	9.99	6.57	6.97	10.76	4.86	2.41	2.51	2.16	1.05	1.61
24	1.93	3.50	9.04	6.47	6.49	10.03	4.90	2.35	2.23	2.00	1.08	1.57
25	1.85	3.40	7.60	6.17	5.98	8.92	4.88	2.28	2.04	1.81	1.44	1.54
26	1.79	3.34	5.76	6.70	5.52	8.08	4.74	2.23	1.89	1.78	1.75	1.76
27	1.76	3.28	4.86	8.01	5.19	8.13	4.91	2.23	1.81	1.86	1.69	1.86
28	2.35	3.21	4.44	9.32	5.21	8.63	5.05	2.82	1.76	1.98	1.72	1.75
29	3.89	3.17	4.18	10.08	6.05	8.96	4.93	4.21	1.66	1.92	1.83	1.62
30	4.64	3.12	3.98	11.12	---	9.56	5.27	5.94	1.57	1.77	2.02	1.74
31	4.15	---	3.87	12.85	---	10.00	---	6.07	---	1.77	1.88	---
MEAN	4.30	5.80	5.03	6.80	9.53	10.83	5.94	4.06	2.88	1.64	1.67	1.47
MAX	12.98	10.99	10.10	12.85	18.58	21.07	9.89	8.32	5.37	2.33	2.68	1.86
MIN	.98	3.12	2.95	4.12	5.15	5.87	4.74	2.23	1.57	1.12	1.03	1.07
CAL YR 1995	MEAN 4.47		MAX 18.80		MIN .79							
WTR YR 1996	MEAN 4.98		MAX 21.07		MIN .98							

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1974, August 1976 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	1015	1410	58	55	6.9	6.9	16.0	12.0	9.0	91
NOV 28...	0900	2030	50	46	6.7	7.0	13.0	16.0	9.2	88
JAN 18...	1105	3070	45	42	6.8	6.5	10.0	21.0	11.2	100
FEB 22...	1310	4810	39	37	6.9	6.4	12.5	23.0	10.2	97
MAR 21...	1310	9920	37	35	6.7	6.4	11.5	11.5	9.6	89
APR 18...	1105	3320	49	46	6.7	6.6	17.0	23.5	9.1	95
MAY 16...	1025	1890	52	48	6.9	6.5	22.5	29.5	7.4	86
JUN 20...	1210	1540	53	51	6.9	6.5	27.0	32.5	7.5	96
JUL 10...	1225	1080	42	41	6.8	6.7	27.5	33.5	7.6	97
AUG 29...	1020	1280	48	47	6.9	6.9	25.0	31.0	7.8	95
SEP 25...	0950	1150	54	58	7.0	6.9	22.0	28.0	8.4	97

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	35	13	<1.0	20	14	2	13	0.180	0.050	<0.020	3.0
NOV 28...	40	10	<1.0	45	14	12	9	0.200	<0.030	0.020	2.0
JAN 18...	35	19	<1.0	110	10	8	10	0.370	<0.030	<0.020	2.0
FEB 22...	30	16	<1.0	<230	--	5	19	0.300	<0.030	0.040	4.0
MAR 21...	40	37	<1.0	490	--	8	31	0.150	<0.030	0.050	4.0
APR 18...	40	12	<1.0	<20	--	14	17	0.200	0.080	<0.020	2.0
MAY 16...	35	13	<1.0	50	--	15	16	0.290	0.040	0.030	2.0
JUN 20...	45	18	<1.0	2300	--	12	23	0.320	0.040	0.030	2.0
JUL 10...	20	9.0	<1.0	<75	--	11	8	0.150	<0.030	<0.020	2.0
AUG 29...	30	15	<1.0	170	--	17	18	0.200	<0.030	<0.020	3.0
SEP 25...	20	10	<1.0	80	--	16	13	0.160	<0.030	0.030	3.0

APALACHICOLA RIVER BASIN

02349640 CAMP CREEK NEAR OGLETHORPE, GA.

LOCATION.--Lat 32°13'27", long 84°06'00", Macon County, Hydrologic Unit 03130006, at bridge on State Highway 49, 1.5 mi above mouth and 2.7 mi south of Oglethorpe.

DRAINAGE AREA.--54.2 mi².

PERIOD OF RECORD.--April 1995 to November 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0950	81213	24	30	30	6.6	6.6	12.0	10.0	9.6	89
NOV 28...	0830	81341	32	31	29	6.3	6.4	13.0	16.0	9.2	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	8.8	0.5	170	--	7	120	0.220	0.040	0.020	2.3
NOV 28...	81341	5.0	<1.0	80	6	5	3	0.180	<0.030	<0.020	3.0

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, Hydrologic Unit 03130006, on downstream side of bridge pier on State Highway 90, 0.5 mi southwest of Byromville, 1.1 mi downstream from Rogers Branch, and 11 mi upstream from mouth.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

REVISED RECORDS.--WDR GA-90-1: 1967, 1969, WDR GA-92-1: 1968.

GAGE.--Water-stage recorder. Elevation of gage is 286 ft above sea level (from topographic map). Prior to June 19, 1958, crest-stage gage at site 50 ft upstream at same datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 28	0600	595	9.95	Mar. 18	1400	401	9.36
Feb. 3	1600	606	9.98	May 28	1500	460	9.56
Mar. 7	1000	*731	10.28	July 14	0100	476	9.61

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	5.3	6.3	7.7	30	114	71	119	131	24	4.5	18	6.1
2	5.2	6.3	7.5	45	107	55	97	55	19	4.4	15	6.3
3	5.1	8.0	7.4	43	450	45	81	40	17	4.3	11	7.2
4	6.1	9.0	8.0	33	241	40	72	33	16	4.1	9.7	8.3
5	6.9	7.6	8.5	27	134	38	67	29	14	19	8.5	6.9
6	6.4	6.9	9.8	26	90	147	65	26	13	22	7.7	6.2
7	6.2	16	21	37	80	626	70	23	12	12	16	5.9
8	5.7	25	16	41	70	464	61	22	55	8.2	12	5.6
9	5.5	13	20	31	64	220	53	21	84	7.0	8.8	5.4
10	5.4	9.0	37	29	60	140	48	19	28	6.1	7.9	5.8
11	5.5	13	20	27	55	108	45	17	21	5.0	8.7	5.7
12	5.8	20	15	35	50	93	43	18	17	4.5	8.7	5.5
13	6.1	14	13	33	44	82	43	16	15	60	7.8	5.3
14	7.8	11	12	29	43	73	43	15	14	334	7.0	5.0
15	15	9.8	12	27	43	68	46	14	14	92	6.5	4.9
16	11	8.9	12	26	42	65	48	13	13	68	6.1	5.5
17	7.7	8.7	12	25	38	108	39	13	13	43	6.1	6.9
18	6.8	8.2	11	25	36	333	35	12	13	36	5.5	5.7
19	6.2	7.7	101	30	36	259	33	11	11	23	5.2	5.2
20	5.9	7.6	217	28	87	162	33	10	10	16	5.0	5.0
21	5.5	7.7	66	24	99	114	42	9.5	10	12	4.9	5.7
22	5.2	7.5	40	23	62	95	33	9.0	8.4	12	4.8	7.6
23	5.0	7.4	33	22	52	79	30	9.1	7.0	9.5	4.7	6.0
24	4.9	7.5	28	36	46	71	30	17	6.2	8.2	5.5	5.4
25	5.0	7.5	26	63	41	78	26	12	7.6	13	12	5.2
26	4.9	7.5	24	41	38	134	24	11	8.8	67	7.8	5.1
27	6.0	7.3	23	195	37	102	24	9.0	8.5	30	9.1	5.1
28	12	7.5	22	425	52	191	22	218	6.2	18	7.0	5.3
29	8.9	8.0	21	139	113	214	41	216	5.0	14	6.3	7.0
30	7.4	7.8	20	88	---	137	245	60	4.8	11	5.9	12
31	6.8	---	21	87	---	130	---	32	---	10	6.1	---
TOTAL	207.2	291.7	891.9	1770	2424	4542	1658	1140.6	495.5	977.8	255.3	182.8
MEAN	6.68	9.72	28.8	57.1	83.6	147	55.3	36.8	16.5	31.5	8.24	6.09
MAX	15	25	217	425	450	626	245	218	84	334	18	12
MIN	4.9	6.3	7.4	22	36	38	22	9.0	4.8	4.1	4.7	4.9
CFSM	.15	.22	.64	1.27	1.86	3.26	1.23	.82	.37	.70	.18	.14
IN.	.17	.24	.74	1.46	2.00	3.75	1.37	.94	.41	.81	.21	.15

APALACHICOLA RIVER BASIN
02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12.2	16.5	36.9	78.0	110	107	70.0	33.8	27.3	37.1	20.8	9.96
MAX	95.1	93.0	202	235	223	260	191	166	142	297	76.3	33.9
(WY)	1995	1993	1965	1964	1983	1966	1981	1976	1973	1994	1969	1964
MIN	3.45	4.16	3.96	5.29	7.74	15.6	10.6	5.45	3.69	2.62	3.36	2.86
(WY)	1969	1989	1989	1989	1989	1989	1968	1988	1988	1988	1988	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	13832.8		14836.8		46.3	
ANNUAL MEAN	37.9		40.5		97.9	
HIGHEST ANNUAL MEAN					9.87	
LOWEST ANNUAL MEAN					3900	
HIGHEST DAILY MEAN	859	Feb 12	626	Mar 7	2.0	Jul 6 1994
LOWEST DAILY MEAN	3.8	Sep 11-13	4.1	Jul 4	2.1	Oct 5 1968
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 7	4.8	Jun 28	5820	Jul 10 1986
INSTANTANEOUS PEAK FLOW			731	Mar 7	14.29	Jul 6 1994
INSTANTANEOUS PEAK STAGE			10.28	Mar 7	1.9	Jul 6 1994
INSTANTANEOUS LOW FLOW			4.0	Jul 4,5	1.03	a
ANNUAL RUNOFF (CFSM)	.84		.90		13.98	
ANNUAL RUNOFF (INCHES)	11.44		12.27		110	
10 PERCENT EXCEEDS	89		96		16	
50 PERCENT EXCEEDS	10		16		4.8	
90 PERCENT EXCEEDS	4.8		5.5			

a Oct 5, 1968, June 1, 1974, and July 11-15, 1986.

APALACHICOLA RIVER BASIN

02349985 TURKEY CREEK AT DRAYTON, GA.

LOCATION.--Lat 32°04'37", long 83°57'25", Dooly County, Hydrologic Unit 03130006, at bridge on State Highway 230, 1.5 mi above mouth, at Drayton.

DRAINAGE AREA.--185 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	1030	81213	E25	136	137	7.0	7.6	15.0	20.5	9.5	94
NOV 21...	1020	81341	E40	146	135	7.2	7.7	13.5	15.0	9.0	87
DEC 05...	1050	81341	E40	143	134	7.3	7.3	14.0	19.0	9.9	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	4.7	0.8	330	--	55	46	0.500	<0.010	0.030	2.0
NOV 21...	81341	7.0	<1.0	130	56	52	5	0.830	0.400	0.070	2.0
DEC 05...	81341	6.0	1.7	110	54	55	4	0.420	<0.030	0.030	2.0

APALACHICOLA RIVER BASIN

02350001 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03130006, at bridge on State Route 27, 0.2 mi downstream of Turkey Creek, 12 mi west of Vienna, and at mile 154.1.

DRAINAGE AREA.--3,390 mi².

PERIOD OF RECORD.--July 1979 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Records of discharge for the water years 1927-30 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	GAGE HEIGHT (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0955	81213	7.93	109	109	7.0	7.0	18.0	19.5	8.4	89
NOV 21...	0945	81341	7.98	89	83	6.9	7.1	11.0	15.0	9.6	88
DEC 05...	1015	81341	7.92	96	91	6.9	7.0	13.5	18.5	9.9	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 23...	81213	--	12	1.1	<20	26	82
NOV 21...	81341	70	19	<1.0	20	18	--
DEC 05...	81341	50	8.0	1.3	20	21	--

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	0.260	0.050	--	--	--	0.060	4.5
NOV 21...	81341	0.200	0.030	0.27	0.30	0.50	0.050	5.0
DEC 05...	81341	0.260	<0.030	0.20	0.20	0.46	0.040	4.0

APALACHICOLA RIVER BASIN

02350080 LIME CREEK NEAR COBB, GA.

LOCATION.--Lat 32°02'06", long 83°59'33", Sumter county, Hydrologic unit 03130006, on the right bank 800 ft upstream from bridge on Spring Hill Church Road, 0.55 mi downstream from Dominy Branch, approximately 1 mi upstream from mouth, and 5.2 mi north of Cobb.

DRAINAGE AREA.--61.8 mi².

PERIOD OF RECORD.-- March 1993 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0920	81213	19	81	82	7.1	7.2	15.0	18.5	9.1	90
NOV 21...	0915	81341	26	107	101	7.2	7.6	13.0	14.5	9.1	87
DEC 05...	0950	81341	30	103	95	7.1	7.1	13.0	18.5	9.6	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	7.2	0.7	230	--	31	22	0.300	0.010	0.020	1.8
NOV 21...	81341	8.0	<1.0	330	56	37	5	0.430	0.180	<0.020	2.0
DEC 05...	81341	8.0	1.4	230	42	36	3	0.260	<0.030	<0.020	2.0

APALACHICOLA RIVER BASIN

02350220 GUM CREEK AT CONEY, GA.

LOCATION.--Lat 31°57'40", long 83 53'05", Crisp County, Hydrologic Unit 03130006, at bridge on U.S. Highway 280, 2.3 mi above mouth, at Coney.

DRAINAGE AREA.--73.0 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	0840	81213	16	279	281	7.3	7.9	15.0	17.5	9.0	90
NOV 21...	0830	81341	24	250	233	7.3	8.0	14.5	11.5	8.4	83
DEC 05...	0920	81341	27	263	245	7.6	7.6	15.5	17.0	8.6	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	2.8	0.9	170	—	107	500	2.80	0.010	0.160	3.2
NOV 21...	81341	5.0	<1.0	180	110	86	5	3.25	<0.030	0.100	3.0
DEC 05...	81341	5.0	1.6	130	100	94	4	2.96	<0.030	0.140	3.0

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.

LOCATION.--Lat 31°43'30", long 84°01'07", Worth-Lee County line. Hydrologic Unit 03130006, on downstream end of pier of bridge on State Highway 32, 5 mi southwest of Oakfield, 3.2 mi downstream from Jones Creek, 13.9 mi downstream from Crisp County damsite, and at rivermile 120.8.

DRAINAGE AREA.--3,880 mi², approximately.

PERIOD OF RECORD.--October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.--Water-stage recorder. Datum of gage is 185.87 ft above sea level (levels by Georgia Department of Transportation). January 9, 1930 to June 23, 1933 and October 1, 1934 to December 31, 1958, recording gage at site 4.2 mi upstream at datum 193.29 ft above sea level, supplementary adjustment of 1936.

REMARKS.--Records good. Flow regulated by powerplant at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplant does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1898, 35.1 ft, Jan. 20, 1925, from floodmarks, 90,000 ft³/s. Flood in March 1929 reached a stage of 34.0 ft, from floodmarks, 85,000 ft³/s.

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	1380	3110	2610	4240	11300	5760	9640	5590	4280	1320	2340	1920
2	1860	2810	1380	3420	15300	6170	10500	5590	4520	1390	2020	1850
3	1020	3640	2690	5790	19600	7160	9730	7330	3650	1260	2100	1340
4	4630	2800	2750	4640	22600	7230	8580	6750	2770	967	2330	1810
5	8870	3680	2090	4830	18400	4440	7810	6260	2680	902	1700	1760
6	4830	3700	3180	4900	19300	6520	7470	6550	2370	1220	1650	1330
7	4090	4080	2980	6450	24200	9910	5730	3770	2020	1720	2490	1970
8	3690	6890	3580	5820	24700	16300	5830	4230	2820	1290	1860	1360
9	3030	5350	2720	4970	20400	12400	5790	4160	2450	2040	1920	1580
10	3960	5030	5540	4930	17500	15900	5910	4160	3110	1220	1870	1550
11	5310	6160	5310	6880	13500	25700	5430	2540	3070	1360	1770	1610
12	10600	7070	4490	6830	10600	32000	4550	1570	3840	869	2660	1310
13	10100	6730	3100	6790	7890	32700	5010	2510	2650	1010	2060	1500
14	8880	7570	2090	5200	5750	27400	4670	2130	3570	2310	1930	1380
15	4750	7560	3720	5170	4310	20300	4730	3090	3120	2420	1600	1040
16	1800	10400	3630	5480	6180	13500	5470	2330	3150	4250	1650	1060
17	2840	8840	2770	4150	5040	10500	4880	3900	3090	2540	1580	1560
18	2630	8610	2800	4670	3480	12800	4800	3670	2550	2180	1310	2000
19	2650	8330	4490	5840	5120	10300	4340	3280	2330	2380	1560	1080
20	1880	5570	5920	4660	5650	11700	3380	3790	2070	2340	1340	849
21	2180	4300	7440	2080	5260	12100	4400	2500	2100	1820	1210	733
22	1910	3690	7520	4810	7310	11200	4310	1550	2090	1800	954	1960
23	2000	2580	8430	4720	6410	9990	4370	937	2230	2190	1090	1490
24	1890	3650	9500	6260	5620	10900	4640	938	2110	1670	1040	1550
25	1840	2940	7710	6580	5740	10000	3170	1110	1880	1830	840	1760
26	1270	2380	7160	5060	5510	9190	4040	1100	1690	2550	1810	1900
27	1860	3000	4800	7630	4510	8740	4400	1090	1340	1420	2590	1830
28	3220	2240	5190	11200	4870	10800	4210	1750	1340	1630	1820	1120
29	2790	3220	4580	8220	5250	8910	4090	5510	1450	1700	1630	1810
30	3020	3510	2230	11100	---	10700	5770	7150	1570	1660	1960	4230
31	3300	---	2280	13400	---	11000	---	6330	---	1790	1840	---
TOTAL	114080	149440	134680	186720	311300	402220	167650	113165	77910	55048	54524	48242
MEAN	3680	4981	4345	6023	10730	12970	5588	3650	2597	1776	1759	1608
MAX	10600	10400	9500	13400	24700	32700	10500	7330	4520	4250	2660	4230
MIN	1020	2240	1380	2080	3480	4440	3170	937	1340	869	840	733
CFSM	.95	1.28	1.12	1.55	2.77	3.34	1.44	.94	.67	.46	.45	.41
IN.	1.09	1.43	1.29	1.79	2.98	3.86	1.61	1.08	.75	.53	.52	.46

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2586	3102	4340	5918	8106	8842	5676	3111	2620	5224	2181	1933
MAX	5645	6911	9778	9950	13350	13440	8844	6647	4510	29160	6360	4245
(WY)	1995	1993	1993	1990	1995	1990	1993	1991	1989	1994	1994	1994
MIN	896	1338	1568	2640	2524	4387	3478	1860	1111	774	683	1086
(WY)	1988	1991	1991	1989	1989	1988	1995	1992	1988	1988	1988	1993

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1987 - 1996

ANNUAL TOTAL	1584720		1814979									
ANNUAL MEAN	4342		4959									
HIGHEST ANNUAL MEAN										4482		
LOWEST ANNUAL MEAN										6720		1994
HIGHEST DAILY MEAN	28500	Feb 23	32700	Mar 13						2513		1988
LOWEST DAILY MEAN	605	Jun 27	733	Sep 21						109000		Jul 10 1994
ANNUAL SEVEN-DAY MINIMUM	739	Jul 21	1150	Aug 19						588		Aug 6 1988
INSTANTANEOUS PEAK FLOW			34000	Mar 13						615		Jul 25 1988
INSTANTANEOUS PEAK STAGE			21.28	Mar 13						112000		Jul 10 1994
ANNUAL RUNOFF (CFSM)	1.12		1.28							a40.1		Jul 10 1994
ANNUAL RUNOFF (INCHES)	15.19		17.40							1.16		
10 PERCENT EXCEEDS	9520		10300							15.70		
50 PERCENT EXCEEDS	2970		3640							8810		
90 PERCENT EXCEEDS	790		1370							3070		
										924		

a From floodmarks.

APALACHICOLA RIVER BASIN

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1.0 mi southwest of Preston, and 1.0 mi upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi².

PERIOD OF RECORD.-- December 1969 to September 1970, November 1971 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	1255	81213	54	35	35	6.7	6.8	14.5	25.0	10.0	98
NOV 21...	1155	81341	95	35	32	6.8	6.8	12.0	18.5	9.9	93
DEC 05...	1230	81341	165	34	31	6.5	6.5	12.5	20.5	9.5	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	--	13	0.6	130	11	26	0.120	0.010	0.020	3.6
NOV 21...	81341	70	10	<1.0	220	10	--	0.080	<0.030	<0.020	4.0
DEC 05...	81341	85	11	2.0	1100	8	--	0.060	<0.030	0.020	5.0

APALACHICOLA RIVER BASIN

02350900 KINCHAFONEE CREEK NEAR DAWSON, GA.

LOCATION.--Lat 31°45'52", long 84°15'12", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Prison Farm Road, 3.6 mi west of U.S. Highway 19, and 5.2 mi northwest of Leesburg.
 DRAINAGE AREA.--527 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 211.74 ft above sea level (Georgia State Highway Commission benchmark). April 6, 1949 to September 30, 1965, crest-stage gage at site 1,500 ft upstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1943 or 1944 is believed to have reached an elevation of about 23 ft from information by local resident. Maximum stage of 20.46 was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 7	0200	2,610	12.33	Mar. 21	2400	2,220	11.48
Mar. 10	2300	*2,760	*12.63	Apr. 1	1200	1,700	10.05

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	192	293	292	506	1190	900	1680	862	743	133	132	274
2	177	268	288	729	1150	852	1560	811	677	122	186	253
3	170	332	284	815	1400	802	1420	769	385	114	191	242
4	179	408	303	820	1820	708	1370	765	310	105	192	323
5	317	421	425	777	1850	597	1170	570	282	99	182	407
6	412	430	457	702	2270	587	987	448	268	103	166	393
7	440	406	559	619	2380	997	946	402	252	172	174	308
8	410	624	711	641	1640	1360	897	397	268	253	194	261
9	333	691	542	648	1130	1450	835	445	293	246	168	242
10	260	546	559	639	892	2390	781	412	330	206	148	213
11	234	482	576	595	806	2520	715	357	347	170	168	198
12	218	549	576	564	746	1860	663	373	356	143	277	219
13	212	559	487	606	691	1300	633	361	307	120	316	225
14	221	519	417	586	647	949	618	327	284	111	299	199
15	270	463	382	558	618	815	661	292	283	118	276	177
16	276	404	367	519	624	757	745	269	309	250	251	161
17	234	357	359	479	604	750	763	257	320	425	224	165
18	210	330	358	460	573	1110	727	244	307	523	187	215
19	196	315	792	456	554	1490	674	226	270	473	160	261
20	188	307	1220	479	840	1620	599	216	235	381	140	245
21	185	301	1150	481	1160	1950	550	202	294	291	123	204
22	184	295	1070	470	1140	2020	522	190	445	241	109	178
23	172	286	1290	443	1090	1450	498	180	451	215	99	188
24	168	285	1350	441	1050	1040	487	167	361	183	89	221
25	167	292	944	563	921	883	486	154	291	150	92	211
26	168	303	578	581	707	1010	473	143	247	137	99	179
27	183	307	512	834	623	1080	480	144	209	138	126	152
28	420	300	479	1490	615	1330	473	185	182	195	195	153
29	426	297	454	1480	788	1550	452	525	163	197	260	166
30	353	296	436	1170	---	1630	750	664	143	167	313	234
31	324	---	432	1140	---	1660	---	697	---	141	326	---
TOTAL	7899	11666	18649	21291	30519	39417	23615	12054	9612	6322	5862	6867
MEAN	255	389	602	687	1052	1272	787	389	320	204	189	229
MAX	440	691	1350	1490	2380	2520	1680	862	743	523	326	407
MIN	167	268	284	441	554	587	452	143	143	99	89	152
CFSM	.48	.74	1.14	1.30	2.00	2.41	1.49	.74	.61	.39	.36	.43
IN.	.56	.82	1.32	1.50	2.15	2.78	1.67	.85	.68	.45	.41	.48

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	251	400	565	782	944	1086	609	376	295	547	235	207
MAX	773	697	1075	1502	1704	1629	1101	1176	589	3413	675	491
(WY)	1995	1993	1995	1990	1995	1993	1993	1991	1991	1994	1994	1994
MIN	103	160	208	277	323	506	257	139	97.1	62.4	70.2	73.9
(WY)	1991	1991	1989	1989	1989	1989	1986	1986	1988	1986	1988	1990

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1985 - 1996

ANNUAL TOTAL	198180		193773			
ANNUAL MEAN	543		529		527	
HIGHEST ANNUAL MEAN					819	1994
LOWEST ANNUAL MEAN					294	1988
HIGHEST DAILY MEAN	4250	Feb 21	2520	Mar 11	25000	Jul 7 1994
LOWEST DAILY MEAN	100	Aug 18	89	Aug 24	39	Jul 15 1986
ANNUAL SEVEN-DAY MINIMUM	118	Aug 13	105	Aug 21	41	Jul 12 1986
INSTANTANEOUS PEAK FLOW			2760	Mar 10	29500	Jul 7 1994
INSTANTANEOUS PEAK STAGE			12.63	Mar 10	26.56	Jul 7 1994
INSTANTANEOUS LOW FLOW			88	Aug 24,25	38	Jul 14 1986
ANNUAL RUNOFF (CFSM)	1.03		1.00		1.00	
ANNUAL RUNOFF (INCHES)	13.99		13.68		13.60	
10 PERCENT EXCEEDS	1120		1140		1060	
50 PERCENT EXCEEDS	353		395		344	
90 PERCENT EXCEEDS	155		167		118	

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0945	81213	169	58	60	7.0	7.1	17.0	21.0	9.4	98
NOV 27...	1020	81341	308	56	51	6.9	7.0	10.5	16.5	10.6	96
DEC 06...	1015	81341	455	53	49	6.8	7.0	13.5	18.5	9.8	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	8.0	0.5	230	--	20	86	0.440	0.010	0.020	3.5
NOV 27...	81341	5.0	<1.0	50	20	16	2	0.340	<0.030	<0.020	4.0
DEC 06...	81341	8.0	1.0	490	20	15	8	0.290	<0.030	0.020	5.0

APALACHICOLA RIVER BASIN

02351500 MUCKALEE CREEK NEAR AMERICUS, GA.

LOCATION.--Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at bridge on State Highway 80, 1 mi west of Americus.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 23...	1130	81213	66	59	60	6.7	7.0	15.0	25.0	10.2	101
NOV 21...	1110	81341	100	54	51	6.9	7.1	12.0	18.0	9.9	93
DEC 05...	1150	81341	150	54	50	6.7	6.7	12.5	20.5	9.2	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	81213	6.7	0.8	40	--	16	110	0.260	0.040	0.020	3.6
NOV 21...	81341	6.0	<1.0	490	26	12	3	0.360	0.040	<0.020	4.0
DEC 05...	81341	10	1.8	330	16	13	5	0.230	<0.030	0.020	4.0

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on State Highway 195, 75 ft downstream from White Oak Branch, 3.3 mi downstream from Muckaloochee Creek, and 4.0 mi northeast of Leesburg.

DRAINAGE AREA.--362 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1979 to current year.

REVISED RECORDS.--WRD GA-82-1: 1980(P), 1981(P).

GAGE.--Water-stage recorder. Elevation of gage is 220 ft above sea level (from topographic map).

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 29	1900	1,420	10.53	Mar. 20	0800	1,460	10.61
Feb. 5	0500	1,640	10.90	Mar. 30	0500	1,320	10.35
Mar. 10	0600	*2,350	*11.67				

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	166	248	229	322	843	583	1100	573	774	87	94	164
2	145	229	226	397	759	614	945	672	651	75	141	145
3	133	325	221	467	832	553	926	566	300	68	172	142
4	148	339	233	569	1320	488	926	465	210	64	243	142
5	270	306	268	634	1560	419	772	347	179	63	166	159
6	351	303	282	602	1400	411	669	292	164	66	128	167
7	508	316	345	538	1230	607	633	260	151	84	120	178
8	613	424	394	459	939	1040	598	353	158	119	119	145
9	505	466	469	429	723	1490	572	367	219	136	136	125
10	345	545	420	429	581	2160	534	367	260	119	132	116
11	212	530	387	424	533	1490	499	302	307	97	127	109
12	188	456	413	402	494	1040	475	298	262	81	174	116
13	179	399	435	384	459	777	438	259	204	67	212	126
14	215	417	377	408	434	616	405	243	190	66	207	124
15	291	418	309	412	422	555	422	212	250	96	180	110
16	238	365	286	384	406	525	465	191	260	141	166	102
17	242	304	277	348	389	519	513	177	217	247	151	103
18	205	267	273	316	374	699	487	168	207	445	127	116
19	177	251	481	300	359	1110	436	164	205	351	111	131
20	165	242	637	292	532	1440	386	152	168	279	96	142
21	159	238	900	303	688	1370	353	133	152	204	79	125
22	154	231	1040	318	912	1130	357	120	153	168	70	108
23	148	227	927	318	934	846	389	109	180	141	66	106
24	144	226	922	311	852	669	341	101	176	118	66	122
25	142	226	652	334	714	639	315	97	169	100	62	132
26	142	227	395	384	536	731	311	96	148	94	67	116
27	151	231	331	572	446	763	312	89	123	115	108	102
28	504	232	308	832	432	983	296	162	127	148	164	100
29	408	233	296	1320	490	1140	292	341	127	136	168	121
30	328	231	287	1200	---	1280	454	547	100	109	167	202
31	286	---	285	911	---	1130	---	772	---	97	187	---
TOTAL	7862	9452	13305	15319	20593	27817	15621	8995	6791	4181	4206	3896
MEAN	254	315	429	494	710	897	521	290	226	135	136	130
MAX	613	545	1040	1320	1560	2160	1100	772	774	445	243	202
MIN	133	226	221	292	359	411	292	89	100	63	62	100
CFSM	.70	.87	1.19	1.37	1.96	2.48	1.44	.80	.63	.37	.37	.36
IN.	.81	.97	1.37	1.57	2.12	2.86	1.61	.92	.70	.43	.43	.40

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	166	263	397	564	739	752	462	303	221	407	203	144
MAX	566	505	928	1169	1349	1337	877	957	475	3296	552	256
(WY)	1995	1993	1995	1990	1983	1993	1980	1991	1991	1994	1984	1994
MIN	83.5	129	145	183	196	281	169	87.2	65.3	35.1	49.8	57.7
(WY)	1988	1991	1989	1989	1989	1989	1986	1986	1988	1986	1990	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	143143		138038			
ANNUAL MEAN	392		377		385	
HIGHEST ANNUAL MEAN					662	
LOWEST ANNUAL MEAN					211	
HIGHEST DAILY MEAN	3350	Feb 12	2160	Mar 10	36000	Jul 7 1994
LOWEST DAILY MEAN	71	Sep 13	62	Aug 25	12	Jul 20 1986
ANNUAL SEVEN-DAY MINIMUM	75	Sep 8	72	Aug 20	16	Jul 15 1986
INSTANTANEOUS PEAK FLOW			2350	Mar 10	a64400	Jul 6 1994
INSTANTANEOUS PEAK STAGE			11.67	Mar 10	b29.1	Jul 6 1994
INSTANTANEOUS LOW FLOW			c61	Jul 5, Aug 25	12	Jul 20 1986
ANNUAL RUNOFF (CFSM)	1.08		1.04		1.06	
ANNUAL RUNOFF (INCHES)	14.71		14.19		14.46	
10 PERCENT EXCEEDS	769		793		782	
50 PERCENT EXCEEDS	257		292		234	
90 PERCENT EXCEEDS	115		109		85	

a From rating extended above 13,000 ft³/s on basis of slope conveyance study.

b From floodmarks.

c Gage height, 2.94 ft.

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	0830	81213	145	74	75	6.8	7.1	17.0	17.0	8.0	83
NOV 27...	0945	81341	232	72	67	7.0	7.0	11.0	14.0	9.7	89
DEC 06...	0940	81341	276	76	70	7.0	7.0	14.5	18.0	8.7	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	7.1	0.9	110	--	21	60	0.400	0.020	0.150	3.7
NOV 27...	81341	5.0	<1.0	170	40	18	3	0.330	0.040	0.080	4.0
DEC 06...	81341	5.0	<1.0	170	6	20	3	0.210	<0.030	0.090	4.0

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84° 08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, 0.5 mi downstream from Muckafoonee Creek, and at mile 103.4.

DRAINAGE AREA.--5,310 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, October 1929 to current year.

Gage-height records collected at site 1 mi downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area; WDR GA-95-1:1994.

GAGE.--Water-stage recorder. Datum of gage is 150.03 ft above sea level. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi downstream at datum 1.3 ft lower. Jan. 1, 1902 to June 30, 1921, nonrecording gage at site 1 mi downstream at datum 2.0 ft lower.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 21, 1925 reached a stage of 37.84 ft, from floodmarks, present site and datum, discharge, 92,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 8	1915	27,100	19.80	Mar. 13	1330	*35,200	*23.56

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	1710	3110	3000	4720	13800	6620	12900	7260	5590	1590	2080	2440
2	1960	3130	1820	4480	16100	7590	15100	7280	5740	1490	2520	2190
3	1510	4070	2950	6600	19400	8330	12900	8750	4560	1430	2020	1630
4	4640	3130	2870	5890	22800	9430	11800	9060	3490	1180	2580	1980
5	9630	4480	2910	5940	22700	5680	11400	7030	2980	1050	2390	2170
6	5300	4250	3500	5690	21400	7220	9200	6770	2780	1370	1840	1980
7	4190	4140	3240	7770	24200	12100	9160	4650	2320	1800	2270	2130
8	4420	7850	4610	8390	26800	18800	7200	4740	3180	1660	2410	2040
9	3240	6270	3420	7090	25200	16700	7220	4760	2760	2110	1980	1740
10	4370	5760	6240	6450	20600	17300	7600	4940	3270	1720	2240	1860
11	5720	6690	5870	8510	17700	25200	7070	4020	3630	1530	2230	1960
12	10500	7780	5590	7770	13400	31500	5860	2620	3680	1250	2440	1530
13	10200	7180	3720	7740	9590	34800	6330	3120	3630	1170	2980	1700
14	9300	8390	3040	6130	7560	31800	5570	2690	3400	2140	2660	1730
15	5230	7850	3420	6360	5370	24800	6190	3020	3470	1930	1850	1430
16	2000	10600	4620	5890	6660	18400	6980	2990	3700	4280	1990	1340
17	3150	9800	3230	5320	6700	12500	5960	3480	3550	3590	1990	1790
18	2880	9250	3370	5120	4350	14900	6500	4070	3050	2650	1810	1860
19	2750	8620	5130	5680	5260	13700	5300	3910	2960	3440	1580	1750
20	1700	6720	6270	6240	6500	16100	4410	3800	2390	3300	1670	1220
21	2270	4290	9570	3310	6040	16400	5470	3150	2500	2240	1410	1110
22	2420	4090	9310	4430	8050	14900	5120	2360	2570	2190	1250	1850
23	2250	3090	9860	5690	8740	14200	5280	1350	2540	2320	1190	1680
24	1840	3520	12200	5670	7470	14000	5610	1290	2750	2050	1250	1740
25	2220	3560	9940	7970	6010	12100	4300	1430	2390	1950	1150	1820
26	1560	2860	8440	5750	6390	11700	4280	1400	2060	2280	1210	2100
27	2000	3360	5700	7380	5430	11500	5140	1390	1710	2000	2460	1980
28	3670	2370	5330	13100	5490	14500	5250	1840	1440	1840	2380	1640
29	2960	3180	5780	11000	6620	12800	4570	5640	1710	1590	2020	1680
30	3690	4160	2860	13600	---	14900	6700	7820	1630	1950	2170	4640
31	3830	---	2760	15000	---	16200	---	7930	---	1950	2260	---
TOTAL	123110	163550	160570	220680	356330	486670	216370	134560	91430	63040	62280	56710
MEAN	3971	5452	5180	7119	12290	15700	7212	4341	3048	2034	2009	1890
MAX	10500	10600	12200	15000	26800	34800	15100	9060	5740	4280	2980	4640
MIN	1510	2370	1820	3310	4350	5680	4280	1290	1440	1050	1150	1110
CFSM	.75	1.03	.98	1.34	2.31	2.96	1.36	.82	.57	.38	.38	.36
IN.	.86	1.15	1.12	1.55	2.50	3.41	1.52	.94	.64	.44	.44	.40

APALACHICOLA RIVER BASIN
02352500 FLINT RIVER AT ALBANY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3119	3410	6081	8458	10510	11800	9487	5687	4029	4797	4141	2855
MAX	13970	10520	22210	18590	20680	27180	25500	15410	9722	38480	18950	8704
(WY)	1930	1931	1949	1964	1908	1913	1944	1920	1973	1994	1919	1903
MIN	1175	1428	1993	2306	3252	3053	2984	1683	1482	814	907	1111
(WY)	1955	1932	1989	1956	1989	1911	1986	1986	1988	1986	1988	1968

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1902 - 1996	
ANNUAL TOTAL	1953527		2135300		6194	
ANNUAL MEAN	5352		5834		10910	
HIGHEST ANNUAL MEAN					2894	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	31900	Feb 23	34800	Mar 13	119000	Jul 10 1994
LOWEST DAILY MEAN	923	Sep 8	1050	Jul 5	327	Aug 24 1930
ANNUAL SEVEN-DAY MINIMUM	1020	Jul 12	1300	Aug 20	735	Jul 22 1986
INSTANTANEOUS PEAK FLOW			35200	Mar 13	120000	Jul 11 1994
INSTANTANEOUS PEAK STAGE			23.56	Mar 13	a43.0	Jul 11 1994
ANNUAL RUNOFF (CFSM)	1.01		1.10		1.17	
ANNUAL RUNOFF (INCHES)	13.69		14.96		15.85	
10 PERCENT EXCEEDS	11600		12900		13100	
50 PERCENT EXCEEDS	3420		4110		4180	
90 PERCENT EXCEEDS	1190		1680		1760	

a From floodmarks

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	3.16	4.27	4.27	5.38	10.50	6.47	9.99	6.82	5.86	2.96	3.48	3.86
2	3.42	4.37	3.27	5.18	12.16	6.98	11.47	6.83	5.97	2.88	3.83	3.64
3	2.90	5.00	4.25	6.42	14.63	7.37	9.98	7.62	5.28	2.81	3.42	3.05
4	5.12	4.37	4.16	6.05	17.18	7.99	9.33	7.78	4.61	2.52	3.93	3.39
5	8.13	5.25	4.18	6.07	17.06	5.93	9.04	6.67	4.26	2.36	3.77	3.58
6	5.71	5.09	4.61	5.93	16.16	6.77	7.86	6.53	4.11	2.76	3.22	3.40
7	5.08	4.93	4.45	7.09	18.10	9.64	7.84	5.14	3.74	3.24	3.67	3.56
8	5.17	7.13	5.32	7.42	19.64	14.24	6.75	5.38	4.41	3.08	3.74	3.45
9	4.44	6.28	4.55	6.73	18.69	12.62	6.80	5.37	4.09	3.54	3.32	3.16
10	5.16	5.97	6.26	6.37	15.51	13.06	7.00	5.49	4.46	3.13	3.64	3.26
11	5.96	6.51	6.04	7.48	13.35	18.65	6.72	4.88	4.73	2.82	3.63	3.34
12	8.69	7.09	5.87	7.09	10.25	21.94	6.04	3.95	4.74	2.58	3.81	2.90
13	8.48	6.78	4.76	7.07	8.06	23.37	6.31	4.38	4.60	2.51	4.18	3.08
14	7.92	7.42	4.27	6.19	6.98	22.07	5.86	4.04	4.53	3.48	4.01	3.11
15	5.67	7.13	4.55	6.33	5.76	18.42	6.23	4.28	4.49	3.30	3.27	2.75
16	3.32	8.64	5.32	6.06	6.49	13.90	6.65	4.21	4.67	5.09	3.40	2.72
17	4.29	8.21	4.45	5.73	6.51	9.74	6.09	4.53	4.59	4.61	3.40	3.19
18	4.13	7.87	4.54	5.61	5.15	11.25	6.40	4.88	4.23	3.99	3.21	3.30
19	4.05	7.54	5.57	5.93	5.69	10.47	5.71	4.80	4.14	4.53	2.97	3.14
20	3.03	6.48	6.23	6.24	6.41	12.21	5.21	4.77	3.68	4.45	3.05	2.60
21	3.69	5.12	8.05	4.49	6.14	12.41	5.80	4.25	3.79	3.67	2.77	2.46
22	3.79	4.93	7.90	5.15	7.24	11.33	5.61	3.67	3.85	3.60	2.59	3.28
23	3.68	4.31	8.20	5.94	7.60	10.84	5.70	2.76	3.84	3.63	2.54	3.03
24	3.25	4.51	9.55	5.93	6.93	10.70	5.89	2.68	4.00	3.38	2.57	3.13
25	3.64	4.62	8.25	7.19	6.13	9.53	5.14	2.86	3.68	3.28	2.46	3.21
26	3.00	4.11	7.44	5.98	6.35	9.21	5.14	2.82	3.42	3.56	2.55	3.49
27	3.43	4.49	5.93	6.88	5.79	9.14	5.62	2.80	3.13	3.31	3.87	3.37
28	4.67	3.79	5.71	10.11	5.82	11.00	5.68	3.28	2.85	3.20	3.68	3.02
29	4.23	4.39	5.97	8.86	6.47	9.91	5.28	5.89	3.11	3.00	3.42	3.07
30	4.76	5.05	4.17	10.41	---	11.27	6.52	7.11	3.02	3.34	3.59	5.33
31	4.83	---	4.05	11.41	---	12.20	---	7.14	---	3.34	3.67	---
MEAN	4.74	5.72	5.55	6.73	10.09	11.96	6.79	4.96	4.20	3.35	3.38	3.26
MAX	8.69	8.64	9.55	11.41	19.64	23.37	11.47	7.78	5.97	5.09	4.18	5.33
MIN	2.90	3.79	3.27	4.49	5.15	5.93	5.14	2.68	2.85	2.36	2.46	2.46

WTR YR 1996 MEAN 5.88 MAX 23.37 MIN 2.36

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 31...	1135	81213	3150	72	74	6.9	7.1	18.5	17.5	7.8	83
NOV 29...	1320	81341	4450	78	74	7.1	7.1	13.5	20.0	10.9	106
DEC 14...	1315	81341	3450	91	87	7.4	7.0	10.5	24.0	11.6	104

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	81213	--	7.0	1.1	170	20	4	0.210	0.050	0.040	5.1
NOV 29...	81341	40	18	<1.0	80	22	--	0.290	0.030	0.040	5.0
DEC 14...	81341	45	6.0	<1.0	90	23	--	0.320	<0.030	0.040	4.0

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, 2.5 mi south of Putney, and at mile 90.8.

DRAINAGE AREA.--5,340 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1979 to June 1984.

REMARKS.--Flow regulated by powerplants at Flint River and Warwick Reservoirs (see remarks for station 02352500). Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18, 1980, July 26-29, 1981; minimum, 4.5°C Jan. 1-3, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 31...	1045	4460	85	80	7.1	7.0	19.0	17.5	8.4	90
NOV 29...	1250	4940	101	95	7.2	7.2	14.0	20.0	9.5	93
DEC 14...	1240	2810	113	109	7.4	7.2	11.0	22.0	11.2	101
JAN 17...	1200	6070	87	84	7.4	6.9	9.0	21.0	12.0	104
FEB 21...	1420	6180	87	84	7.2	7.1	12.5	26.0	10.4	98
MAR 20...	1430	16700	60	57	7.1	6.6	13.5	9.5	9.7	94
APR 17...	1200	6510	96	91	7.0	7.1	18.0	25.5	8.8	93
MAY 15...	1225	2850	118	110	7.4	7.1	24.5	27.5	7.3	87
JUN 19...	1230	3000	106	103	7.3	7.0	27.5	30.5	6.3	81
JUL 11...	1325	2280	135	133	7.4	7.3	29.0	34.0	7.3	96
AUG 28...	1130	3320	117	116	7.3	7.2	29.0	30.0	7.0	91
SEP 26...	1125	2780	120	117	7.5	7.4	26.0	29.5	7.4	92

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3
OCT 31...	60	13	20	1.0	130	24	23
NOV 29...	45	17	11	<1.0	490	34	31
DEC 14...	60	6.0	19	<1.0	80	50	33
JAN 17...	25	17	9	1.2	230	22	23
FEB 21...	80	20	16	<1.0	490	--	27
MAR 20...	100	33	20	<1.0	790	--	16
APR 17...	30	6.0	22	<1.0	330	--	31
MAY 15...	45	9.0	13	<1.0	110	--	41
JUN 19...	40	8.0	13	<1.0	2800	--	34
JUL 11...	15	5.0	12	1.5	80	--	40
AUG 28...	30	6.0	21	<1.0	<3100	--	35
SEP 26...	20	5.0	13	<1.0	1300	--	34

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	0.260	0.160	0.24	0.40	0.66	0.040	6.0
NOV 29...	0.390	0.080	0.32	0.40	0.79	0.040	5.0
DEC 14...	0.400	<0.030	0.30	0.30	0.70	0.030	4.0
JAN 17...	0.410	<0.030	0.20	0.20	0.61	0.050	3.0
FEB 21...	0.510	<0.030	0.30	0.30	0.81	0.050	4.0
MAR 20...	0.280	0.040	0.56	0.60	0.88	0.050	6.0
APR 17...	0.500	0.060	0.44	0.50	1.0	<0.020	4.0
MAY 15...	0.610	0.060	0.34	0.40	1.0	0.050	4.0
JUN 19...	0.460	0.040	0.26	0.30	0.76	0.030	4.0
JUL 11...	0.510	0.100	0.40	0.50	1.0	0.040	3.0
AUG 28...	0.340	<0.030	0.40	0.40	0.74	0.040	3.0
SEP 26...	0.030	0.030	0.27	0.30	0.33	0.040	4.0

APALACHICOLA RIVER BASIN

02352920 RACCOON CREEK NEAR BACONTON, GA.

LOCATION.--Lat 31°21'48", long 84°10'04", Mitchell County, Hydrologic Unit 03130008, at bridge on State Highway 3, 2.5 mi above mouth, and 1 mi south of Baconton .

DRAINAGE AREA.--92.9 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND
OCT 31...	1015	0.0
NOV 29...	1220	0.0
DEC 14...	1200	0.0

APALACHICOLA RIVER BASIN

02352980 COOLEEWAHEE CREEK NEAR NEWTON, GA.

LOCATION.--Lat 31°19'48", long 84°19'50", Baker County, Hydrologic Unit 03130008, at bridge on State Highway 91, 1.2 mi north of Newton.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 30...	1130	81213	14	258	258	7.5	8.0	17.0	16.0	7.5	77
NOV 28...	1155	81341	20	259	243	7.5	7.6	18.0	23.0	7.0	74
DEC 13...	1100	81341	22	224	217	7.6	7.5	12.5	11.5	8.3	77

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	81213	1.1	0.5	130	--	98	8	5.70	<0.010	0.020	1.7
NOV 28...	81341	2.0	<1.0	130	120	92	<1	5.63	0.110	<0.020	1.0
DEC 13...	81341	18	1.0	1100	110	84	7	3.47	<0.030	0.110	3.0

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.

LOCATION.--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.--5,740 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.20 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 9	2200	25,800	19.55	Mar. 15	0100	*32,500	*22.58

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	2370	4510	4360	4630	13800	7350	15100	7980	7420	2320	2550	2860
2	2230	3490	3570	5340	13500	8500	14900	8080	6170	2100	3010	2850
3	2540	4320	2870	5810	16400	8170	13900	8260	6070	2060	2820	2580
4	2280	4260	3610	7110	19400	9740	13300	9560	5030	1930	2870	2260
5	8290	4230	4000	6550	21700	8230	12300	8070	4210	1640	3100	2680
6	6760	4600	3500	6770	21500	6800	11000	8090	4110	1600	2690	2700
7	5270	4740	4270	6960	21500	9640	11000	7490	3380	2200	2610	2520
8	4960	6500	4550	8480	23700	15100	8500	5360	3620	2330	3140	2690
9	4400	7250	4800	8120	25400	17200	9230	5910	3890	2370	2780	2300
10	4580	6280	5110	7480	24300	15100	8980	5960	3820	2620	2670	2460
11	5490	6960	6470	8040	20700	19200	8680	5770	4200	2180	2850	2440
12	8080	7390	6550	8300	16100	23900	7850	4380	4270	2050	2830	2320
13	10000	8020	5190	8210	12500	27800	7650	3680	4870	1620	3550	2120
14	9190	7980	4310	7610	10200	31400	7410	4030	3960	1730	3050	2240
15	8020	8260	3940	7190	8130	31600	7430	3760	4490	2790	3040	2130
16	4630	8640	4870	6870	7750	26800	7670	4310	4360	3280	2610	1780
17	3910	10800	4580	6790	8580	17600	7990	3890	4210	4570	2590	2110
18	3380	8880	4090	5780	7160	14600	7260	5100	3990	3630	2480	2140
19	3710	9160	4600	6100	5960	15500	7310	4810	3800	3800	2190	2460
20	3570	8630	5880	7050	7710	15700	6400	4320	3470	3910	2290	1870
21	2410	5620	8430	5780	7790	16300	6150	4730	3250	3330	2070	1680
22	3120	5270	9010	4130	8040	16000	6510	3780	3300	2950	1870	1610
23	3080	4810	9200	6200	9330	15100	6400	2700	3310	2890	1600	2410
24	2690	3920	10800	6050	9060	14000	6560	2210	3460	2830	1650	2160
25	2870	5170	10300	7760	7840	13200	6230	2140	3280	2480	1750	2190
26	2610	3880	9310	7100	7540	13000	5500	2280	2980	2550	1480	2410
27	2370	3640	7680	6980	7430	12200	5810	2200	2760	3130	2170	2520
28	3130	3890	6500	10000	6430	13400	6200	2220	2290	2210	3170	2430
29	3770	3670	6770	11400	7460	14400	6040	3910	2320	2370	2690	1930
30	4050	4170	5290	11300	---	14200	6610	6670	2250	2420	2520	3650
31	4210	---	3620	12900	---	16200	---	7940	---	2430	2880	---
TOTAL	137970	178940	178030	228790	376910	487930	255870	159590	118540	80320	79570	70500
MEAN	4451	5965	5743	7380	13000	15740	8529	5148	3951	2591	2567	2350
MAX	10000	10800	10800	12900	25400	31600	15100	9560	7420	4570	3550	3650
MIN	2230	3490	2870	4130	5960	6800	5500	2140	2250	1600	1480	1610
CFSM	.78	1.04	1.00	1.29	2.26	2.74	1.49	.90	.69	.45	.45	.41
IN.	.89	1.16	1.15	1.48	2.44	3.16	1.66	1.03	.77	.52	.52	.46

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3323	3588	5683	8870	11080	13070	10870	6391	4804	5225	4165	3133
MAX	10440	7629	12500	18990	19270	25680	28750	14770	10300	37690	9841	6557
(WY)	1965	1993	1993	1964	1973	1966	1944	1964	1973	1994	1994	1994
MIN	1566	1881	2243	2768	3457	5322	3943	2222	2064	1144	1173	1611
(WY)	1988	1991	1991	1981	1989	1981	1986	1986	1988	1986	1986	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1938 - 1996	
ANNUAL TOTAL	2231020		2352960		6622	
ANNUAL MEAN	6112		6429		10610	
HIGHEST ANNUAL MEAN					3647	
LOWEST ANNUAL MEAN					100000	
HIGHEST DAILY MEAN	32000	Feb 25	31600	Mar 15	840	Jul 13 1994
LOWEST DAILY MEAN	1480	Sep 12	1480	Aug 26	993	Oct 20 1940
ANNUAL SEVEN-DAY MINIMUM	1570	Jul 13	1800	Aug 21	100000	Aug 9 1986
INSTANTANEOUS PEAK FLOW			32500	Mar 15	45.25	Jul 13 1994
INSTANTANEOUS PEAK STAGE			22.58	Mar 15	790	Jul 13 1994
INSTANTANEOUS LOW FLOW			1430	Aug 26	1.15	a
ANNUAL RUNOFF (CFSM)	1.06		1.12		15.67	
ANNUAL RUNOFF (INCHES)	14.46		15.25		13200	
10 PERCENT EXCEEDS	11500		13300		4730	
50 PERCENT EXCEEDS	4330		4730		2170	
90 PERCENT EXCEEDS	1850		2250			

a Oct 20 and Nov 10, 1940, due to regulation.

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1979, May 1981 to current year.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 and 82213 are by the U.S. Geological Survey. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 30...	1225	81213	4270	108	109	7.2	7.6	19.5	18.5	7.2	78
NOV 28...	1225	81341	3660	108	102	7.4	7.4	14.0	23.0	10.4	101
DEC 13...	1155	81341	4980	114	109	7.5	7.4	11.0	13.5	10.5	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEd (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	81213	11	0.6	790	--	37	8	0.490	0.030	0.040	5.3
NOV 28...	81341	15	<1.0	170	36	33	4	0.450	0.060	0.040	6.0
DEC 13...	81341	10	<1.0	90	32	31	4	0.400	<0.030	0.060	5.0

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
OCT						
04...	1248	82213	1770	23.5	3	14
04...	1253	82213	1770	23.5	4	19
DEC						
14...	1721	82213	3870	12.0	5	52
14...	1726	82213	3870	12.0	5	52
JAN						
11...	1223	82213	8400	7.0	11	249
11...	1228	82213	8400	7.0	13	295
MAR						
14...	1630	82213	31900	14.0	118	10200
14...	1635	82213	31900	14.0	114	9820
MAY						
07...	1050	82213	8680	24.0	51	1200
07...	1055	82213	8680	24.0	58	1360
JUN						
13...	0923	82213	5030	26.5	12	163
13...	0928	82213	5030	26.5	13	177
JUL						
23...	1145	82213	3140	30.0	7	59
23...	1150	82213	3140	30.0	7	59
SEP						
13...	0920	82213	2010	26.0	4	22
13...	0925	82213	2010	26.0	5	27

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.

LOCATION.--Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on State Highway 37, 2.2 mi upstream from Neals Creek, 3.6 mi east of Edison, and 8.5 mi upstream from mouth.
DRAINAGE AREA.--188 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1950-59 and occasional low-flow measurements, 1951-58, 1972-81. June 1959 to September 1971, March 1988 to current year.

REVISED RECORDS.--WDR GA-71-1: 1960 (M).

GAGE.--Water-stage recorder. Datum of gage is 212.64 ft above sea level. Mar. 17, 1949 to Mar. 16, 1955, crest-stage at same site and datum. Mar. 17, 1955 to June 9, 1959, crest-stage gage at site 200 ft downstream at same datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on July 10, 1916 reached a stage of 11.88 ft (from Georgia Department of Transportation), discharge, 11,800 ft³/s, from rating curve extended above 3,400 ft³/s on basis of slope-conveyance studies.

PEAK DISCHARGES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,100 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 20	2100	1,120	6.33	Feb. 4	0600	1,380	6.62
Jan. 28	1900	*1,500	*6.73				

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	127	167	173	249	345	434	753	489	180	59	69	442
2	123	176	169	493	400	367	518	351	142	58	105	392
3	124	e210	168	572	1100	311	413	247	124	53	127	378
4	175	e250	172	402	1270	275	373	203	141	48	101	333
5	277	e320	210	273	801	253	353	188	167	56	105	308
6	476	e410	239	225	489	273	353	177	128	66	106	247
7	381	294	302	250	396	685	416	172	111	117	124	194
8	199	251	459	310	353	909	402	215	105	145	123	167
9	154	482	403	265	328	775	338	257	151	108	104	142
10	139	456	300	217	315	508	309	213	219	90	103	122
11	143	245	259	206	304	388	293	230	164	83	124	113
12	176	321	210	211	291	342	282	198	130	70	506	110
13	155	479	192	246	268	320	276	208	147	61	877	109
14	160	329	187	223	251	308	278	163	329	75	387	98
15	201	232	184	202	265	297	326	145	309	103	170	91
16	204	198	184	195	344	296	448	135	167	112	130	98
17	165	186	186	193	361	322	439	132	136	198	109	133
18	143	177	188	192	298	471	330	123	115	258	92	151
19	136	172	364	212	272	819	284	116	102	251	83	127
20	134	173	914	233	596	691	260	112	94	138	77	109
21	133	171	897	208	945	429	241	107	92	112	68	103
22	126	169	463	191	754	347	220	100	97	134	66	102
23	123	164	282	184	471	315	211	92	108	103	61	99
24	123	179	229	197	382	295	244	86	96	88	60	92
25	125	212	209	302	333	309	294	86	89	80	60	87
26	125	211	199	304	302	460	231	90	78	77	89	83
27	130	190	196	475	287	517	237	95	71	78	81	84
28	299	182	192	1270	301	575	229	167	64	67	183	90
29	423	179	188	1120	386	684	212	352	59	61	311	127
30	337	179	189	613	---	565	354	479	59	61	297	258
31	191	---	186	415	---	707	---	301	---	53	346	---
TOTAL	5927	7364	8693	10648	13208	14247	9917	6029	3974	3063	5244	4989
MEAN	191	245	280	343	455	460	331	194	132	98.8	169	166
MAX	476	482	914	1270	1270	909	753	489	329	258	877	442
MIN	123	164	168	184	251	253	211	86	59	48	60	83
CFSM	1.02	1.31	1.49	1.83	2.42	2.44	1.76	1.03	.70	.53	.90	.88
IN.	1.17	1.46	1.72	2.11	2.61	2.82	1.96	1.19	.79	.61	1.04	.99

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	170	189	257	372	389	416	314	195	198	271	161	139
MAX	484	372	706	708	663	776	679	533	445	1725	358	329
(WY)	1995	1995	1965	1962	1995	1966	1960	1971	1965	1994	1994	1994
MIN	48.1	111	114	128	157	205	127	92.1	53.3	98.8	62.0	52.4
(WY)	1969	1991	1989	1989	1968	1989	1968	1968	1988	1996	1988	1968

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1959 - 1996	
ANNUAL TOTAL	102475		93303			
ANNUAL MEAN	281		255		258	
HIGHEST ANNUAL MEAN					396	
LOWEST ANNUAL MEAN					139	
HIGHEST DAILY MEAN	3740		1270		13500	
LOWEST DAILY MEAN	78		48		33	
ANNUAL SEVEN-DAY MINIMUM	83		56		36	
INSTANTANEOUS PEAK FLOW			1500		a43000	
INSTANTANEOUS PEAK STAGE			6.73		b14.22	
INSTANTANEOUS LOW FLOW			46		32	
ANNUAL RUNOFF (CFSM)	1.49		1.36		1.37	
ANNUAL RUNOFF (INCHES)	20.28		18.46		18.66	
10 PERCENT EXCEEDS	489		471		478	
50 PERCENT EXCEEDS	199		200		170	
90 PERCENT EXCEEDS	110		88		82	

a From rating extended above 7,600 ft³/s based on slope-conveyance study.

b From floodmarks.

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	1315	81213	123	46	46	7.0	6.8	17.5	29.0	8.8	92
NOV 27...	1340	81341	188	48	43	6.8	6.7	11.5	26.0	10.8	100
DEC 06...	1330	81341	242	45	42	6.6	6.6	15.5	19.0	8.6	87

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	9.0	0.7	90	--	13	60	0.510	0.020	0.020	2.8
NOV 27...	81341	7.0	<1.0	230	10	10	3	0.380	<0.030	<0.020	3.0
DEC 06...	81341	8.0	<1.0	490	20	11	6	0.280	<0.030	0.020	4.0

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi upstream from Alligator Creek, and 5.5 mi upstream from Chickasawhatchee Creek.
DRAINAGE AREA.--620 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1905 to December 1907, October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft above sea level (levels by Georgia Department of Transportation). Aug. 29, 1905 to Dec. 31, 1907, nonrecording gage at several sites within 450 ft of present site at various datums. Oct. 1, 1939 to Nov. 10, 1941, nonrecording gage at site 100 ft downstream at present datum.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft, from information by local resident; discharge, 15,500 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 2	0600	*2,610	*5.36

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	395	610	443	535	1670	988	2150	1020	677	162	139	688
2	336	527	437	637	1200	1070	2090	1070	548	149	178	722
3	318	485	431	797	e1300	1080	1850	1020	426	142	294	721
4	331	541	430	931	e1900	1010	1580	879	368	126	352	701
5	489	639	441	963	2490	887	1340	738	400	127	287	682
6	535	680	487	866	2570	792	1170	626	410	153	257	624
7	541	628	566	773	2170	920	1130	564	369	186	247	555
8	648	607	656	703	1540	1410	1140	578	344	250	264	467
9	571	608	767	689	1140	1970	1130	646	354	300	298	407
10	477	695	789	672	993	2040	1050	689	407	273	268	346
11	420	805	794	648	918	1850	965	655	431	235	252	315
12	395	757	793	627	857	1500	873	625	392	202	323	295
13	423	741	659	595	807	1060	814	566	374	169	899	288
14	416	780	576	598	760	946	790	576	469	150	1280	287
15	434	709	529	603	732	879	824	526	547	229	1220	281
16	485	614	505	596	781	838	981	468	509	409	725	279
17	491	552	496	578	857	831	1070	439	394	409	455	304
18	441	500	489	554	830	1020	1070	412	354	432	347	351
19	386	474	522	540	780	1380	965	391	326	500	281	358
20	354	459	705	550	1000	1580	850	363	295	564	241	347
21	340	449	925	570	1520	1870	762	351	280	463	208	319
22	333	442	1260	564	1850	1840	702	336	407	372	181	297
23	326	434	1500	550	1940	1400	666	306	693	348	157	285
24	319	431	1250	547	1770	1070	648	282	537	275	148	270
25	315	450	875	576	1440	951	654	276	366	232	149	255
26	315	470	660	633	1090	1070	682	271	274	199	148	249
27	317	475	585	743	918	1230	661	271	263	187	199	245
28	340	462	555	1170	854	1590	650	295	253	176	233	247
29	515	456	538	1660	895	1860	642	488	214	159	328	264
30	664	447	525	2130	---	2000	790	643	182	138	445	362
31	681	---	523	2180	---	2090	---	702	---	143	584	---
TOTAL	13351	16927	20711	24778	37572	41022	30689	17072	11863	7859	11387	11811
MEAN	431	564	668	799	1296	1323	1023	551	395	254	367	394
MAX	681	805	1500	2180	2570	2090	2150	1070	693	564	1280	722
MIN	315	431	430	535	732	792	642	271	182	126	139	245
CFSM	.69	.91	1.08	1.29	2.09	2.13	1.65	.89	.64	.41	.59	.63
IN.	.80	1.02	1.24	1.49	2.25	2.46	1.84	1.02	.71	.47	.68	.71

e Estimated

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	451	497	814	1096	1272	1366	1107	705	565	645	504	414
MAX	1507	1461	2547	2383	2891	3073	3094	1871	1837	4382	1270	928
(WY)	1995	1948	1949	1964	1973	1966	1944	1971	1906	1994	1948	1994
MIN	141	215	241	304	414	315	374	208	147	96.6	140	145
(WY)	1969	1956	1956	1956	1989	1955	1968	1986	1988	1986	1986	1954

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1905 - 1996

ANNUAL TOTAL	278300		245042									
ANNUAL MEAN	762		670									
HIGHEST ANNUAL MEAN										782		
LOWEST ANNUAL MEAN										1391		1948
HIGHEST DAILY MEAN	8730	Feb 13	2570	Feb 6						340		1955
LOWEST DAILY MEAN	161	Aug 18	126	Jul 4						30000		Jul 7 1994
ANNUAL SEVEN-DAY MINIMUM	189	Aug 14	149	Jun 30						48		Jul 19 1986
INSTANTANEOUS PEAK FLOW			2610	Feb 6						54		Jul 17 1986
INSTANTANEOUS PEAK STAGE			5.36	Feb 6						a53000		Jul 7 1994
INSTANTANEOUS LOW FLOW			120	Jul 5						b23.20		Jul 7 1994
ANNUAL RUNOFF (CFSM)	1.23		1.08							45		Jul 19 1986
ANNUAL RUNOFF (INCHES)	16.70		14.70							1.26		
10 PERCENT EXCEEDS	1330		1270							17.13		
50 PERCENT EXCEEDS	525		550							1530		
90 PERCENT EXCEEDS	264		250							552		
										242		

a From rating curve extended above 13,000 ft³/s based on discharge measurement of flow in main channel and flow-over-road computation of peak flow

b From floodmarks

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 30...	0940	81213	662	54	55	6.7	6.8	16.5	12.5	8.3	85
NOV 28...	0955	81341	462	68	63	7.0	7.2	12.5	21.5	10.0	94
DEC 13...	0845	81341	669	57	55	6.8	7.0	6.5	7.0	11.3	92

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	81213	--	14	1.1	490	15	8	0.300	0.020	0.040	4.9
NOV 28...	81341	40	5.0	<1.0	110	19	--	0.660	0.070	<0.020	4.0
DEC 13...	81341	60	10	<1.0	130	15	--	0.390	<0.030	0.030	6.0

APALACHICOLA RIVER BASIN

02354350 CHICKASAWHATCHEE CREEK NEAR ALBANY, GA.

LOCATION.--Lat 31°35'37", long 84°27'12", Dougherty-Calhoun County line, Hydrologic Unit 03130009, at bridge on State Highway 234, 11 mi west of Albany City limits.

DRAINAGE AREA.--118 mi², approximately.

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 24...	1400	81213	32	140	141	7.0	7.3	19.5	28.5	7.6	83
NOV 27...	1430	81341	84	115	107	7.2	7.2	13.5	26.0	9.8	95
DEC 06...	1420	81341	155	106	99	7.0	6.9	16.5	19.0	7.8	81

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	81213	4.7	0.9	460	—	50	94	0.120	0.010	0.030	4.9
NOV 27...	81341	5.0	<1.0	330	50	38	6	0.090	<0.030	0.020	5.0
DEC 06...	81341	10	1.5	4900	34	32	6	0.030	<0.030	0.040	7.0

[illegible]

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.--Continued

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	4.2	22	66	138	308	462	1300	265	56	12	5.7	124
2	4.2	23	e65	176	372	456	1270	292	59	9.8	13	118
3	4.1	40	e65	197	467	440	1210	347	49	7.8	18	106
4	5.1	68	e70	188	487	417	1110	357	44	6.9	14	122
5	5.9	76	e75	175	476	388	990	316	38	6.5	10	122
6	6.7	75	e90	171	471	366	864	265	38	6.4	9.6	106
7	6.1	78	e110	183	492	453	770	221	32	6.6	9.6	93
8	5.8	106	e130	186	517	590	701	191	29	6.2	8.5	84
9	5.5	117	e150	179	499	675	652	170	33	6.6	7.4	74
10	5.4	117	e150	168	453	750	606	154	33	6.5	7.3	69
11	5.8	113	e145	160	404	815	554	141	29	6.1	12	65
12	7.4	114	e140	157	361	832	503	131	29	5.9	44	53
13	8.4	110	e130	155	328	786	453	118	31	5.4	61	45
14	11	109	e130	153	301	697	438	106	60	5.3	51	37
15	17	104	122	147	284	607	441	99	61	5.1	66	30
16	19	97	116	141	300	538	451	103	64	5.1	124	27
17	22	92	110	138	306	500	431	103	59	5.3	161	30
18	27	92	105	136	300	615	416	92	52	5.5	154	29
19	28	92	104	135	290	769	401	81	43	5.3	130	27
20	27	88	101	131	430	856	371	69	35	4.7	103	26
21	26	83	100	125	533	871	336	58	27	4.7	81	26
22	25	77	101	120	592	857	301	47	22	4.7	63	26
23	24	71	111	117	618	794	273	37	19	11	50	23
24	23	70	138	126	629	697	257	31	20	20	39	19
25	21	72	176	150	603	645	234	26	34	19	32	17
26	20	73	192	154	550	693	214	22	34	16	25	15
27	19	73	184	195	490	720	199	18	25	14	19	13
28	22	70	167	234	454	921	184	18	19	11	18	12
29	26	69	150	246	453	1060	189	35	18	7.8	24	12
30	24	67	138	244	---	1150	249	43	15	5.9	39	20
31	23	---	132	259	---	1280	---	42	---	4.9	97	---
TOTAL	478.6	2458	3763	5184	12768	21700	16368	3998	1107	248.0	1496.1	1570
MEAN	15.4	81.9	121	167	440	700	546	129	36.9	8.00	48.3	52.3
MAX	28	117	192	259	629	1280	1300	357	64	20	161	124
MIN	4.1	22	65	117	284	366	184	18	15	4.7	5.7	12
CFSM	.05	.26	.38	.52	1.38	2.19	1.70	.40	.12	.02	.15	.16
IN.	.06	.29	.44	.60	1.48	2.52	1.90	.46	.13	.03	.17	.18

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	105	135	351	531	617	903	710	333	141	194	186	92.8
MAX	540	714	1434	1248	1250	1979	1848	1004	401	507	472	275
(WY)	1949	1948	1949	1946	1940	1948	1944	1946	1946	1940	1946	1945
MIN	7.19	10.7	40.4	156	261	260	162	48.3	18.6	8.00	15.5	4.32
(WY)	1944	1944	1944	1945	1947	1945	1945	1941	1941	1996	1995	1995

SUMMARY STATISTICS FOR THE PERIOD: AUGUST-SEPTEMBER 1995

FOR 1996 WATER YEAR

WATER YEARS 1940 - 1996

ANNUAL TOTAL	71138.7											
ANNUAL MEAN	194	363										
HIGHEST ANNUAL MEAN										679	1948	
HIGHEST DAILY MEAN	66	Jul 30	1300	Apr 1	3550	Mar 10 1948						
LOWEST DAILY MEAN	3.5	Sep 12	4.1	Oct 3	3.5	Sep 12 1995						
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep 6	5.0	Jul 16	3.7	Sep 6 1995						
INSTANTANEOUS PEAK FLOW	76	Jul 27	1310	Apr 1	4300	Jan 27 1978						
INSTANTANEOUS PEAK STAGE	.49	Jul 27	6.32	Apr 1	12.38	Jan 27 1978						
INSTANTANEOUS LOW FLOW	3.5	a	3.8	Oct 3	3.5	a						
ANNUAL RUNOFF (CFSM)					.61	1.13						
ANNUAL RUNOFF (INCHES)					8.27	15.40						
10 PERCENT EXCEEDS					565	915						
50 PERCENT EXCEEDS					97	161						
90 PERCENT EXCEEDS					7.7	28						

a Part or all of each day September 8, 10-13, 1995.

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 30...	1020	81213	24	212	212	7.1	7.7	16.0	13.0	7.9	80
NOV 28...	1040	81341	69	154	143	7.4	7.4	12.5	22.0	10.1	95
DEC 13...	0945	81341	130	132	128	7.3	7.3	6.5	10.0	11.1	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	81213	2.7	0.5	80	--	85	6	0.200	0.010	0.020	13
NOV 28...	81341	3.0	<1.0	230	68	56	<1	0.120	<0.030	<0.020	12
DEC 13...	81341	11	<1.0	230	70	45	4	0.080	<0.030	<0.020	12

APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA.

LOCATION.--Lat 31°17'42", long 84°29'17", Baker County, Hydrologic Unit 0313009, on right bank 50 ft below sampling dock, approximately 0.6 mi downstream of old dam site, 1.6 mi north of State Highway 200, 9 mi west-southwest of Newton, and 3.7 mi south of Elmodel.

DRAINAGE AREA.--1,000 mi², approximately.

PERIOD OF RECORD.--April 1995 to September 1996.

GAGE.--Water-stage recorder. Datum of gage is 140 ft above sea level (from topographic map).

REMARKS.--Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on July 8, 1994 reached a stage of 29.1 ft from floodmarks located by Joseph W. Jones Ecological Research Center.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	649	448	435	478	272
2	---	---	---	---	---	---	---	609	538	419	404	254
3	---	---	---	---	---	---	---	578	576	432	370	262
4	---	---	---	---	---	---	---	e550	554	490	388	290
5	---	---	---	---	---	---	---	e540	669	543	369	293
6	---	---	---	---	---	---	---	e530	1290	556	359	264
7	---	---	---	---	---	---	---	e520	2060	496	344	246
8	---	---	---	---	---	---	---	e510	2960	453	307	240
9	---	---	---	---	---	---	---	e500	2870	406	273	238
10	---	---	---	---	---	---	---	e540	2070	356	296	240
11	---	---	---	---	---	---	---	e620	1530	316	322	246
12	---	---	---	---	---	---	---	e820	1120	301	301	243
13	---	---	---	---	---	---	---	944	932	289	275	236
14	---	---	---	---	---	---	---	931	793	282	261	237
15	---	---	---	---	---	---	1240	831	679	272	244	245
16	---	---	---	---	---	---	1120	697	598	251	231	364
17	---	---	---	---	---	---	1020	597	540	255	213	484
18	---	---	---	---	---	---	917	527	503	269	207	572
19	---	---	---	---	---	---	866	498	477	286	210	476
20	---	---	---	---	---	---	828	556	477	336	243	397
21	---	---	---	---	---	---	816	583	494	379	374	349
22	---	---	---	---	---	---	830	601	483	374	559	313
23	---	---	---	---	---	---	866	560	499	351	595	295
24	---	---	---	---	---	---	928	500	572	330	414	294
25	---	---	---	---	---	---	927	441	589	360	347	290
26	---	---	---	---	---	---	901	409	538	432	334	304
27	---	---	---	---	---	---	893	394	620	549	340	339
28	---	---	---	---	---	---	852	414	570	703	382	446
29	---	---	---	---	---	---	764	454	491	810	385	624
30	---	---	---	---	---	---	700	419	463	830	347	618
31	---	---	---	---	---	---	---	410	---	664	308	---
TOTAL	---	---	---	---	---	---	---	17732	27003	13225	10480	9971
MEAN	---	---	---	---	---	---	---	572	900	427	338	332
MAX	---	---	---	---	---	---	---	944	2960	830	595	624
MIN	---	---	---	---	---	---	---	394	448	251	207	236
CFSM	---	---	---	---	---	---	---	.57	.90	.43	.34	.33
IN.	---	---	---	---	---	---	---	.66	1.00	.49	.39	.37

e Estimated

APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA.--Continued

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	451	662	486	692	2140	1530	3550	1360	829	218	196	871
2	373	571	478	828	1690	1600	3480	1450	696	201	303	912
3	344	507	468	1010	1750	1610	3230	1490	531	193	391	e930
4	353	566	464	1130	2290	1540	2870	1380	443	181	437	e920
5	465	695	473	1180	2870	1410	2490	1220	454	176	372	e920
6	625	770	518	1110	3050	1290	2200	1040	477	190	327	e850
7	543	745	639	1030	2850	1420	2040	911	435	223	312	e770
8	716	724	751	960	2240	1930	1970	862	402	269	319	e690
9	667	736	896	930	1770	2550	1920	901	401	332	364	e620
10	540	811	962	902	1550	2820	1820	932	459	321	334	e540
11	465	933	967	865	1430	2750	1690	898	491	282	329	e480
12	420	926	988	840	1330	2460	1560	849	456	254	404	e430
13	441	876	868	803	1240	2000	1450	767	412	221	873	383
14	458	926	752	795	1170	1750	1400	747	528	201	1320	374
15	456	871	677	795	1120	1600	1420	700	651	226	1360	363
16	512	757	629	783	1150	1500	1560	615	641	414	1040	365
17	534	666	607	761	1230	1440	1620	576	503	462	749	377
18	490	592	589	728	1220	1670	1620	532	435	470	592	418
19	428	552	607	705	1170	2130	1530	495	400	536	481	428
20	388	529	785	702	1430	2420	1390	450	362	638	402	418
21	368	514	1000	720	1980	2710	1270	425	336	560	345	393
22	358	497	1250	714	2400	2810	1180	403	398	435	301	369
23	348	483	1540	692	2590	2360	1110	365	735	412	267	352
24	339	480	1450	699	2500	1920	1070	336	692	344	247	335
25	333	496	1160	754	2170	1710	1040	326	447	299	239	318
26	328	520	948	817	1790	1840	1050	318	368	264	232	309
27	328	533	830	967	1550	2000	1010	310	303	242	252	302
28	336	516	768	1300	1440	2510	975	332	310	231	297	301
29	462	507	719	1800	1450	2970	970	487	272	213	359	312
30	672	494	684	2250	---	3200	1130	739	244	193	490	387
31	728	---	668	2470	---	3460	---	799	---	192	708	---
TOTAL	14269	19455	24621	30732	52560	64910	51615	23015	14111	9393	14642	15437
MEAN	460	648	794	991	1812	2094	1720	742	470	303	472	515
MAX	728	933	1540	2470	3050	3460	3550	1490	829	638	1360	930
MIN	328	480	464	692	1120	1290	970	310	244	176	196	301
CFSM	.46	.65	.79	.99	1.81	2.09	1.72	.74	.47	.30	.47	.51
IN.	.53	.72	.92	1.14	1.96	2.41	1.92	.86	.52	.35	.54	.57

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	460	648	794	991	1812	2094	1720	657	685	365	405	423
MAX	460	648	794	991	1812	2094	1720	742	900	427	472	515
(WY)	1996	1996	1996	1996	1996	1996	1996	1996	1995	1995	1996	1996
MIN	460	648	794	991	1812	2094	1720	572	470	303	338	332
(WY)	1996	1996	1996	1996	1996	1996	1996	1995	1996	1996	1995	1995

SUMMARY STATISTICS

FOR THE PERIOD APR TO SEP 1995

FOR 1996 WATER YEAR

WATER YEARS 1995 - 1996

ANNUAL TOTAL	334760											
ANNUAL MEAN	915	915										
HIGHEST DAILY MEAN	2960	Jun 8				3550	Apr 1		3550	Apr 1 1996		
LOWEST DAILY MEAN	207	Aug 18				176	Jul 5		176	Jul 5 1996		
ANNUAL SEVEN-DAY MINIMUM						197	Jul 1		197	Jul 1 1996		
INSTANTANEOUS PEAK FLOW	3110	Jun 8				3570	Apr 1		3570	Apr 1 1996		
INSTANTANEOUS PEAK STAGE	10.20	Jun 8				11.04	Apr 1		11.04	Apr 1 1996		
INSTANTANEOUS LOW FLOW	199	Aug 19				174	Jul 5		174	Jul 5 1996		
ANNUAL RUNOFF (CFSM)						.91			.91			
ANNUAL RUNOFF (INCHES)						12.45			12.43			
10 PERCENT EXCEEDS						1940			1680			
50 PERCENT EXCEEDS						693			556			
90 PERCENT EXCEEDS						310			282			

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.

LOCATION.--Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, on right bank 75 ft below steel truss bridge, approximately 1600 ft upstream from bridge on State Highway 91, 11 mi southwest of Newton.

DRAINAGE AREA.--1040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1920 to June 1921 (discharge measurements and fragmentary gage-height record), October 1937 to September 1947 (published as 02355000 Ichawaynochaway Creek "near Newton"), monthly discharge only for April to September 1939 published in WSP 1301. April 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is 98.67 ft above sea level. October 9, 1920 to June 30, 1921, non-recording gage at site 5 mi upstream at datum 15.1 ft higher. August 10, 1937 to April 1, 1939, non-recording gage at present site and approximately same datum. September 21, 1939 to November 24, 1941, non-recording gage at site 5 mi upstream at datum 15.1 ft higher. November 25, 1941 to September 30 1947, recording gage at site 5 mi upstream at datum 15.1 ft higher.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow. Periods of monthly discharge only and fragmentary records are not included in statistics computations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	709	484	488	552	316
2	---	---	---	---	---	---	---	675	553	469	474	290
3	---	---	---	---	---	---	---	644	596	469	421	289
4	---	---	---	---	---	---	---	620	587	513	434	314
5	---	---	---	---	---	---	---	593	646	562	419	326
6	---	---	---	---	---	---	---	575	1100	584	406	303
7	---	---	---	---	---	---	---	559	1800	540	394	279
8	---	---	---	---	---	---	---	550	2810	499	364	271
9	---	---	---	---	---	---	---	532	2960	457	325	267
10	---	---	---	---	---	---	---	528	2250	408	323	266
11	---	---	---	---	---	---	---	631	1680	363	363	273
12	---	---	---	---	---	---	---	782	1210	341	349	271
13	---	---	---	---	---	---	---	911	993	326	318	265
14	---	---	---	---	---	---	---	924	848	319	302	262
15	---	---	---	---	---	---	1270	859	741	308	285	268
16	---	---	---	---	---	---	1160	748	666	289	269	355
17	---	---	---	---	---	---	1050	664	605	282	253	476
18	---	---	---	---	---	---	956	598	565	297	238	576
19	---	---	---	---	---	---	902	560	533	309	240	524
20	---	---	---	---	---	---	865	579	519	352	260	448
21	---	---	---	---	---	---	846	611	523	412	362	396
22	---	---	---	---	---	---	853	624	516	413	527	359
23	---	---	---	---	---	---	877	601	508	399	620	332
24	---	---	---	---	---	---	928	552	577	374	484	329
25	---	---	---	---	---	---	936	501	600	395	401	321
26	---	---	---	---	---	---	912	465	575	458	379	334
27	---	---	---	---	---	---	905	447	637	546	375	359
28	---	---	---	---	---	---	878	450	623	673	408	438
29	---	---	---	---	---	---	806	491	548	775	427	590
30	---	---	---	---	---	---	751	472	516	811	394	640
31	---	---	---	---	---	---	---	451	---	720	356	---
TOTAL	---	---	---	---	---	---	---	18906	27769	14151	11722	10737
MEAN	---	---	---	---	---	---	---	610	926	456	378	358
MAX	---	---	---	---	---	---	---	924	2960	811	620	640
MIN	---	---	---	---	---	---	---	447	484	282	238	262
CFSM	---	---	---	---	---	---	---	.59	.89	.44	.36	.34
IN.	---	---	---	---	---	---	---	.68	.99	.51	.42	.38

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.--Continued

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	514	710	550	736	2270	1580	e3600	1350	835	279	233	812
2	427	647	543	821	1790	1660	e3600	1480	750	257	249	867
3	389	580	535	973	1750	1680	e3400	1520	629	244	450	893
4	393	603	529	1100	2260	1620	3180	1450	534	232	463	880
5	444	700	533	1170	e3000	1510	2790	1290	517	220	427	889
6	614	772	564	1130	e3100	1380	2450	1100	541	226	375	838
7	538	776	656	1050	e3000	1440	2230	965	515	260	355	780
8	665	745	737	986	e2500	1880	2130	899	479	296	357	694
9	671	753	857	950	e2000	2530	2070	920	467	364	394	620
10	578	797	930	927	e1700	e2900	1960	947	510	374	380	556
11	511	898	942	896	e1550	e2850	1820	931	546	336	376	508
12	462	920	967	874	1440	e2600	1680	884	529	306	437	473
13	468	871	877	840	1320	e2200	1560	820	485	271	713	449
14	498	906	750	825	1230	e1900	1500	788	549	246	1210	436
15	490	886	686	826	1170	e1700	1490	760	663	242	1300	425
16	528	797	646	816	1180	e1600	1610	693	680	402	1080	423
17	563	725	623	800	1260	e1600	1690	657	583	500	796	431
18	540	666	610	777	1260	1700	1700	619	510	496	660	463
19	488	628	613	755	1210	2160	1630	584	476	544	561	479
20	446	603	713	747	1390	2500	1490	542	436	630	481	474
21	421	586	904	759	1880	2820	1360	514	407	606	419	454
22	409	568	1160	758	2370	e2900	1250	492	427	503	369	428
23	400	555	1470	743	2630	2650	1170	457	677	464	329	409
24	391	549	1470	744	2620	2140	1110	423	743	407	302	393
25	384	555	1220	775	2330	1870	1080	409	538	360	288	375
26	380	575	999	828	1940	1930	1070	400	457	318	279	362
27	381	591	879	941	1670	2070	1050	388	368	289	285	355
28	387	580	816	1210	1540	2540	1010	403	377	275	342	350
29	469	570	773	1670	1520	3080	997	493	340	256	376	359
30	659	558	741	2140	---	3350	1110	726	308	235	495	411
31	734	---	725	2480	---	e3500	---	788	---	222	659	---
TOTAL	15242	20670	25018	31047	54880	67840	54787	24692	15876	10660	15440	16286
MEAN	492	689	807	1002	1892	2188	1826	797	529	344	498	543
MAX	734	920	1470	2480	3100	3500	3600	1520	835	630	1300	893
MIN	380	549	529	736	1170	1380	997	388	308	220	233	350
CFSM	.47	.66	.78	.96	1.82	2.10	1.76	.77	.51	.33	.48	.52
IN.	.55	.74	.89	1.11	1.96	2.43	1.96	.88	.57	.38	.55	.58

e Estimated

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	511	591	815	1440	1649	2370	1989	1157	803	860	803	605
MAX	712	1216	1516	3204	3440	4240	5420	2949	1733	1765	1656	1076
(WY)	1947	1938	1946	1946	1940	1944	1944	1946	1946	1946	1946	1946
MIN	256	340	476	565	830	830	825	437	308	344	378	312
(WY)	1944	1939	1939	1939	1938	1938	1945	1941	1941	1996	1995	1941

SUMMARY STATISTICS	FOR THE PERIOD APR TO SEP 1995		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL			352438			
ANNUAL MEAN			963			1152
HIGHEST ANNUAL MEAN						1832
LOWEST ANNUAL MEAN						690
HIGHEST DAILY MEAN	2960	Jun 9	3600	Apr 1	9950	Feb 21 1940
LOWEST DAILY MEAN	238	Aug 18	220	Jul 5	205	Jun 9 1941
ANNUAL SEVEN-DAY MINIMUM			245	Jul 1	221	Jun 8 1941
INSTANTANEOUS PEAK FLOW	3080	Jun 9	unknown	Apr 1	10300	Apr 18 1944
INSTANTANEOUS PEAK STAGE	8.24	Jun 9	a9.41	Apr 1	b18.3	Apr 18 1944
INSTANTANEOUS LOW FLOW	c232	Aug 19	d218	Jul 5,31	205	f
ANNUAL RUNOFF (CFSM)			.93		1.11	
ANNUAL RUNOFF (INCHES)			12.61		15.05	
10 PERCENT EXCEEDS			2070		2190	
50 PERCENT EXCEEDS			719		780	
90 PERCENT EXCEEDS			363		360	

a Backwater from Flint River

b At site and datum then in use.

c Gage height, 2.33 ft

d Gage height, 2.27 ft

f Observed; June 9, and September 24, 25, 1941; gage height, 0.46 ft, at site and datum then in use.

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to September 1995.

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 30...	1055	81213	661	79	80	7.2	7.5	17.5	15.5	9.1	95
NOV 28...	1115	81341	577	94	100	7.5	7.5	13.0	22.5	10.1	96
DEC 13...	1020	81341	890	73	70	7.4	7.2	7.0	11.0	11.9	97

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	81213	6.5	1.4	110	--	28	4	0.720	<0.010	0.070	3.9
NOV 28...	81341	6.0	<1.0	80	40	35	1	0.660	0.040	<0.020	4.0
DEC 13...	81341	13	<1.0	330	30	21	4	0.260	<0.030	1.76	8.0

APALACHICOLA RIVER BASIN

02355830 BIG SLOUGH BELOW CAMILLA, GA.

LOCATION.--Lat 31°09'02", long 84°17'19", Mitchell County, Hydrologic Unit 03130008, at bridge on State Highway 65, 7 mi southwest of Camilla.

DRAINAGE AREA.--315 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND
OCT 31...	0950	0.0
NOV 29...	1115	0.0
DEC 14...	1120	0.0

APALACHICOLA RIVER BASIN

02355950 BIG SLOUGH AT STATE HIGHWAY 97, NEAR BAINBRIDGE, GA.

LOCATION.--Lat 30°56'05", long 84°31'23", Decatur County, Hydrologic Unit 03130008, at bridge on State Highway 97, 2 mi northeast of Bainbridge.

DRAINAGE AREA.--315 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND
OCT 31...	0930	0.0
NOV 29...	1050	0.0
DEC 14...	1055	0.0

APALACHICOLA RIVER BASIN

02356000 FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, on downstream side of bridge on U.S. Highway 27 (Business Route), 0.2 mi downstream from Seaboard Coast Line Railroad bridge, and 29.2 mi upstream from Jim Woodruff Dam, and at mile 29.0.

DRAINAGE AREA.--7,570 mi², approximately.

PERIOD OF RECORD.--

Discharge: October 1907 to December 1913, October 1928 to September 1971. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978 to current year.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft above sea level. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft higher. Oct. 1, 1928 to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi upstream Jan. 15, 1957 to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft³/s, 15.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft³/s July 14, 1994; gage height, 37.20 ft; minimum daily, 1,340 ft³/s Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.9 ft, present datum, Jan. 24, 1925, discharge 101,000 ft³/s, from rating curve extended above 70,000 ft³/s on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,700 ft³/s, Mar. 15, gage height, 24.40 ft.

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	18.02	18.63	19.51	19.12	20.87	19.52	21.86	19.80	19.50	18.19	18.14	18.51
2	17.93	18.68	19.51	19.25	20.94	19.83	21.58	19.87	19.23	18.12	18.55	18.71
3	17.88	18.74	19.04	19.31	20.98	20.09	21.68	19.94	19.04	18.05	18.65	19.04
4	17.95	18.80	18.71	19.42	21.46	19.99	21.31	20.03	19.10	18.03	18.56	19.22
5	18.40	18.53	18.92	19.72	22.27	19.84	20.90	20.07	19.10	18.12	18.51	19.16
6	19.10	18.39	19.20	19.95	22.53	19.52	20.69	19.93	19.12	18.47	18.50	19.07
7	19.08	18.75	19.51	19.92	22.45	19.72	20.15	19.91	19.15	18.32	18.45	18.95
8	18.97	19.08	19.60	19.97	22.78	20.24	19.98	19.71	19.12	18.36	18.47	18.85
9	19.37	19.64	19.74	20.07	23.02	21.11	19.84	19.60	18.93	18.37	18.53	18.74
10	19.31	19.87	19.52	20.06	23.01	21.25	19.90	19.65	18.58	18.26	18.57	18.66
11	19.44	19.90	19.54	19.93	22.49	21.38	19.94	19.70	18.45	18.11	18.57	18.61
12	19.66	19.77	19.65	20.01	21.80	22.25	19.91	19.40	18.41	17.95	18.47	18.56
13	19.77	19.70	19.70	19.90	20.87	23.07	19.82	19.03	18.36	17.76	18.45	18.49
14	19.83	19.64	19.64	19.49	20.09	23.74	19.72	18.96	18.36	17.71	18.51	18.40
15	19.65	19.64	19.56	19.09	19.61	24.25	19.65	18.90	18.45	17.74	18.52	18.21
16	19.20	19.72	19.43	19.01	19.37	24.14	19.98	18.96	18.31	17.75	18.50	18.14
17	19.20	20.08	19.24	19.06	19.32	23.04	20.04	19.03	18.14	17.90	18.45	18.52
18	19.41	20.25	19.04	19.15	19.22	21.63	19.84	19.18	18.19	18.01	18.30	18.84
19	19.54	19.97	19.16	19.36	19.12	21.56	20.04	19.08	18.26	18.04	18.12	18.79
20	19.47	19.85	19.59	19.40	19.56	21.44	20.13	18.82	18.31	18.16	18.09	18.70
21	19.29	19.84	19.86	19.39	19.77	21.61	19.69	18.94	18.35	18.16	18.10	18.51
22	18.74	19.65	20.10	19.16	20.00	21.63	19.66	18.86	18.53	17.98	18.09	18.25
23	18.53	19.55	20.25	19.20	20.54	21.53	20.05	18.73	18.49	17.81	18.06	18.02
24	18.56	19.49	20.38	19.46	20.54	21.42	19.79	18.53	18.49	17.77	18.02	18.17
25	18.53	19.49	20.45	19.57	20.05	21.38	19.75	18.34	18.63	17.83	17.64	18.00
26	18.55	19.32	20.05	19.93	19.70	21.05	19.78	18.03	18.71	17.83	17.39	17.91
27	18.73	19.20	19.79	19.93	19.59	20.69	19.63	17.83	18.67	17.85	17.54	17.78
28	18.83	19.25	19.44	19.75	19.48	20.61	19.35	17.98	18.65	17.70	17.81	18.09
29	18.64	19.28	19.39	20.37	19.41	21.11	19.53	18.33	18.63	17.52	17.89	18.09
30	18.46	19.34	19.54	20.45	---	21.21	19.82	18.87	18.41	17.53	18.06	18.13
31	18.55	---	19.29	20.66	---	21.52	---	19.33	---	17.80	18.34	---
MEAN	18.92	19.40	19.56	19.65	20.72	21.33	20.13	19.14	18.66	17.97	18.25	18.50
MAX	19.83	20.25	20.45	20.66	23.02	24.25	21.86	20.07	19.50	18.47	18.65	19.22
MIN	17.88	18.39	18.71	19.01	19.12	19.52	19.35	17.83	18.14	17.52	17.39	17.78

WTR YR 1996

MEAN 19.35

MAX 24.25

MIN 17.39

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.--Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi downstream from State Docks, and at mile 26.5.

DRAINAGE AREA.--7,570 mi², approximately.

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Gage Height, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	GAGE HEIGHT (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 31...	0915	18.54	117	111	7.3	7.4	19.5	20.5	7.8	85
NOV 29...	1040	19.53	134	125	7.4	7.5	15.0	17.0	9.0	89
DEC 14...	1045	19.61	110	105	7.5	7.2	11.5	15.5	10.6	97
JAN 17...	0910	19.02	108	103	7.5	7.3	10.5	16.5	11.0	99
FEB 21...	1050	19.77	118	113	7.2	7.4	13.0	21.5	10.0	95
MAR 20...	1105	21.42	82	78	7.1	6.8	15.0	9.5	9.1	91
APR 17...	0855	20.09	134	123	7.1	7.2	18.0	19.0	7.6	80
MAY 15...	0845	18.96	160	148	7.6	7.4	23.5	24.5	6.9	81
JUN 19...	0910	18.24	140	134	7.5	7.3	26.0	29.0	6.3	78
JUL 11...	0955	18.11	160	156	7.6	7.7	28.0	32.0	7.0	90
AUG 28...	0850	17.81	183	182	7.7	7.9	27.0	29.0	7.4	93
SEP 26...	0820	17.98	167	163	7.6	7.7	24.5	25.5	7.8	94

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 31...	50	10	1.0	130	40	39	6
NOV 29...	50	11	<1.0	40	54	49	7
DEC 14...	60	6.0	<1.0	230	50	31	3
JAN 17...	35	10	<1.0	170	44	33	6
FEB 21...	80	17	<1.0	790	--	41	10
MAR 20...	45	33	<1.0	330	--	27	15
APR 17...	35	7.0	<1.0	790	--	50	5
MAY 15...	20	7.0	<1.0	<65	--	63	3
JUN 19...	30	9.0	<1.0	<20	--	51	5
JUL 11...	<5	4.0	<1.0	<20	--	55	3
AUG 28...	15	2.0	<1.0	<20	--	71	2
SEP 26...	10	4.0	<1.0	<20	--	60	2

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 31...	0.740	0.070	0.33	0.40	1.1	0.050	5.0
NOV 29...	0.740	<0.030	0.30	0.30	1.0	0.030	4.0
DEC 14...	0.490	0.070	0.33	0.40	0.89	0.030	4.0
JAN 17...	0.670	0.040	0.26	0.30	0.97	0.030	3.0
FEB 21...	0.800	0.140	0.26	0.40	1.2	0.050	3.0
MAR 20...	0.350	0.040	0.36	0.40	0.75	0.060	5.0
APR 17...	0.940	0.230	0.97	1.2	2.1	0.030	4.0
MAY 15...	1.01	<0.030	0.30	0.30	1.3	0.030	2.0
JUN 19...	0.890	0.070	0.23	0.30	1.2	0.030	3.0
JUL 11...	0.880	0.040	0.16	0.20	1.1	0.030	2.0
AUG 28...	1.01	<0.030	0.50	0.50	1.5	<0.020	2.0
SEP 26...	0.880	0.030	0.17	0.20	1.1	0.030	2.0

APALACHICOLA RIVER BASIN

02356640 SPRING CREEK AT COLQUITT, GA.

LOCATION.--Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at bridge on U.S. Highway 27 at Colquitt.

DRAINAGE AREA.--281mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	1000	81213	20	233	235	7.6	7.8	20.0	22.0	7.6	84
NOV 30...	1300	81341	59	220	207	7.6	7.7	14.0	12.0	9.0	87
DEC 07...	1310	81341	84	213	200	7.2	7.3	17.5	16.5	7.9	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	2.2	1.3	490	—	109	3	0.560	0.120	0.020	3.6
NOV 30...	81341	2.0	<1.0	220	100	93	2	0.300	0.040	0.020	5.0
DEC 07...	81341	4.0	1.0	3300	94	87	2	0.300	0.050	0.020	5.0

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.

LOCATION.--Lat 31°02'23", long 84°44'18", Decatur County, Hydrologic Unit 03130010, on right bank 25 ft downstream from county bridge, 1.5 mi downstream from Aycock Creek, 1.5 mi upstream from Dry Creek, 5.0 mi north of Brinson, and 5.5 mi northeast of Iron City.

DRAINAGE AREA.--485 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

REVISED RECORDS.--WDR GA-91-1: 1983-84.

GAGE.--Water-stage recorder. Datum of gage is 85.7 ft above sea level. Oct. 21, 1920 to June 30, 1921, nonrecording gage at site 125 ft upstream at different datum, June 11, 1937 to Oct. 17, 1952, nonrecording gage at site 125 ft upstream at present datum, Oct. 18, 1952 to April 1971, recording gage at same site and datum as present, May 1971 to Dec. 1976, nonrecording gage at same site and datum as present.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 1	2000	*2,640	12.63	No other peak above base discharge.			

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	37	55	98	135	713	713	2560	520	237	47	29	94
2	36	58	96	156	761	713	2570	551	217	44	30	121
3	36	62	94	174	717	728	2420	558	191	40	37	158
4	40	66	93	184	739	735	2100	569	241	37	57	209
5	48	73	92	194	874	706	1690	520	254	34	49	253
6	62	81	92	210	1090	675	1400	452	185	44	46	283
7	64	89	94	225	1460	774	1210	407	165	62	44	290
8	62	105	106	222	1250	1010	1080	376	163	89	43	275
9	58	110	116	208	913	1250	993	354	182	91	55	235
10	56	106	132	201	736	1250	917	343	182	79	97	194
11	56	106	153	199	647	1210	858	330	179	76	78	170
12	55	117	161	201	583	1150	790	325	168	72	63	152
13	54	120	160	195	533	985	728	316	159	67	62	138
14	62	120	149	189	496	842	679	288	149	61	59	126
15	80	120	140	183	470	756	686	260	135	66	55	117
16	80	117	132	178	473	701	745	238	128	66	50	114
17	74	117	126	175	456	663	794	220	143	63	45	120
18	70	113	123	174	440	746	828	201	137	60	42	127
19	66	108	124	171	443	878	849	183	140	63	39	135
20	65	104	127	169	571	1070	806	170	142	60	37	135
21	63	101	129	167	772	1260	707	159	126	55	34	133
22	61	97	137	166	987	1310	626	146	119	51	31	128
23	59	95	149	168	1230	1210	571	132	118	47	28	118
24	57	95	166	173	1480	1000	545	120	110	42	28	107
25	55	98	172	182	1420	876	524	120	105	39	29	99
26	54	100	163	197	1090	916	503	124	94	37	29	92
27	52	102	150	238	876	950	477	151	81	38	30	87
28	51	102	140	292	769	1140	452	147	68	37	30	84
29	52	102	134	343	731	1430	430	178	58	34	35	87
30	52	99	130	410	---	1820	465	231	52	32	41	114
31	53	---	128	505	---	2160	---	261	---	30	53	---
TOTAL	1770	2938	4006	6584	23720	31627	30003	8950	4428	1663	1385	4495
MEAN	57.1	97.9	129	212	818	1020	1000	289	148	53.6	44.7	150
MAX	80	120	172	505	1480	2160	2570	569	254	91	97	290
MIN	36	55	92	135	440	663	430	120	52	30	28	84
CFSM	.12	.20	.27	.44	1.69	2.10	2.06	.60	.30	.11	.09	.31
IN.	.14	.23	.31	.50	1.82	2.43	2.30	.69	.34	.13	.11	.34

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	205	185	390	711	939	1250	880	428	306	313	271	199
MAX	1364	1042	2101	2689	2515	3315	2577	2165	1325	2310	1291	1133
(WY)	1958	1948	1949	1993	1983	1948	1944	1946	1989	1994	1939	1937
MIN	10.8	14.0	24.0	42.8	108	78.6	186	70.6	29.7	10.5	9.12	17.5
(WY)	1955	1955	1955	1955	1951	1955	1968	1986	1986	1986	1986	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	168168		121569		502	
ANNUAL MEAN	461		332		1096	
HIGHEST ANNUAL MEAN					98.8	
LOWEST ANNUAL MEAN					12500	
HIGHEST DAILY MEAN	9960	Feb 14	2570	Apr 2	5.1	Jan 28 1978
LOWEST DAILY MEAN	36	Sep 23	28	Aug 23,24	5.5	Aug 14 1986
ANNUAL SEVEN-DAY MINIMUM	37	Sep 20	29	Aug 22	a17700	Aug 13 1986
INSTANTANEOUS PEAK FLOW			2640	Apr 1	19.95	Apr 12 1975
INSTANTANEOUS PEAK STAGE			12.63	Apr 1	5.0	Jul 8 1994
INSTANTANEOUS LOW FLOW			26	Aug 24	1.03	b
ANNUAL RUNOFF (CFSM)	.95		.68		14.06	
ANNUAL RUNOFF (INCHES)	12.90		9.32		238	
10 PERCENT EXCEEDS	1050		888		52	
50 PERCENT EXCEEDS	163		140			
90 PERCENT EXCEEDS	46		46			

a Gage height, 19.43 ft.

b August 14, 15, 18, and 19, 1986 and August 22, 23, 1990.

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Laboratory analyses with analyzing agency code 81341 are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Laboratory analyses with analyzing agency code 81213 are by the U.S. Geological Survey, Florida District Water-Quality Lab, Ocala, Florida. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 25...	0920	81213	55	239	239	7.6	8.0	20.0	21.5	7.9	87
NOV 30...	1210	81341	99	223	210	8.0	7.8	14.0	9.5	9.6	93
DEC 07...	1220	81341	94	223	208	7.5	7.8	17.5	17.0	8.7	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	81213	1.5	0.5	130	--	111	6	0.900	0.010	0.020	3.2
NOV 30...	81341	2.0	<1.0	80	100	95	2	0.550	<0.030	<0.020	4.0
DEC 07...	81341	4.0	<1.0	290	100	95	1	0.580	<0.030	0.020	3.0

APALACHICOLA RIVER BASIN

02357310 FISHPOND DRAIN NEAR DONALSONVILLE, GA.

LOCATION.--Lat 30°58'44", long 84°52'17", Seminole County, Hydrologic Unit 03130010, at bridge on State Highway 285 approximately 5 mi south of Donalsonville.

DRAINAGE AREA.--38.8 mi².

PERIOD OF RECORD.--April 1995 to December 1995 (discontinued).

REMARKS.--Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND
OCT 25...	0840	0.0
NOV 30...	1120	0.0
DEC 07...	1130	0.0

LAKES IN APALACHICOLA RIVER BASIN

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA.

LOCATION.--Lat 34°04'30", long 84°04'20", Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 mi upstream from bridge on State Highway 20, 4.5 mi northwest of Buford, Ga., and at mile 348.3.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--January 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by a rolled-fill earth dam. Storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-ft between elevations 1,035 ft and 1,085 ft. Dead storage, 868,000 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft Apr. 14, 1964, elevation, 1,077.20 ft; minimum, after beginning operation, 1,329,300 acre-ft Dec. 23, 24, 1981, elevation, 1,052.66 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,096,600 acre-ft Feb. 3, elevation, 1,074.57 ft; minimum, 1,698,000 acre-ft Oct. 2, elevation, 1,064.00 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1064.14	1702900	-	-
Oct. 31.....	1067.19	1812200	+109300	+1778
Nov. 30.....	1069.95	1915100	+102900	+1729
Dec. 31.....	1069.93	1914400	-700	-11
CAL YR 1995	-	-	+8400	+12
Jan. 31.....	1073.17	2040400	+126000	+2049
Feb. 29.....	1070.05	1918900	-121500	-2112
Mar. 31.....	1071.70	1982500	+63600	+1034
Apr. 30.....	1072.56	2016300	+33800	+568
May 31.....	1071.62	1979400	-36900	-600
June 30.....	1070.89	1951000	-28400	-477
July 31.....	1068.88	1874800	-76200	-1239
Aug. 31.....	1066.60	1790800	-84000	-1366
Sept. 30.....	1065.66	1756900	-33900	-570
WTR YR 1996	-	-	+54000	+74

LAKES IN APALACHICOLA RIVER BASIN--Continued

02339400 WEST POINT LAKE NEAR WEST POINT, GA.

LOCATION.--Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Oseligee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 29, and at mile 201.4.

DRAINAGE AREA, 3,440 mi², approximately.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam with earth dikes at either side. Spillway (crest elevation, 597 ft) is equipped with six tainter gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974; lake reached maximum power pool, 635 ft, on June 10, 1975. Total capacity at elevation, 641 ft; maximum flood control pool, 774,800 acre-ft Capacity at elevation, 635 ft, maximum power pool, 604,500 acre-ft Dead storage below elevation 620 ft, minimum power pool, 298,400 acre-ft Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft April 16, 1979, elevation, 638.17 ft; minimum, since first filling, 295,200 acre-ft, Nov. 8, 1985, elevation, 619.80 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 652,200 acre-ft Nov. 12, elevation, 636.79 ft; minimum, 395,800 acre-ft Oct. 2, elevation, 625.65 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	625.48	392600	-	-
Oct. 31.....	634.70	596900	+204300	+3322
Nov. 30.....	631.87	527500	-69400	-1166
Dec. 31.....	630.35	492800	-34700	-564
CAL YR 1995	-	-	+92400	+128
Jan. 31.....	634.64	595400	+102600	+1669
Feb. 29.....	632.05	531700	-63700	-1107
Mar. 31.....	633.92	577100	+45400	+738
Apr. 30.....	635.30	612400	+35300	+593
May 31.....	634.52	592300	-20100	-327
June 30.....	634.12	582100	-10200	-171
July 31.....	632.25	536500	-45600	-742
Aug. 31.....	631.07	509000	-27500	-447
Sept. 30.....	631.59	521000	+12000	+202
WTR YR 1996	-	-	+128400	+177

LAKES IN APALACHICOLA RIVER BASIN--Continued

02341000 LAKE HARDING NEAR COLUMBUS, GA.

LOCATION.--Lat 32°39'46", long 85°05'27", Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 mi upstream from Mulberry Creek, 15 mi northwest of Columbus, Ga., and at mile 178.0.

DRAINAGE AREA.--4,240 mi², approximately.

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway (crest elevation, 500.0 ft) is equipped with 19 tainter gates 25 ft wide by 21 ft high and two trash gates 11 ft wide by 9 ft high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft, top of gates, is 181,000 acre-ft, of which 136,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and month-end elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	520.6	179000	-	-
Oct. 31.....	512.9	136000	-43000	-699
Nov. 30.....	520.5	178000	+42000	+706
Dec. 31.....	520.5	178000	0	0
CAL YR 1995	-	-	0	0
Jan. 31.....	520.7	179000	+1000	+16
Feb. 29.....	519.6	173000	-6000	-104
Mar. 31.....	520.0	175000	+2000	+32
Apr. 30.....	520.0	175000	0	0
May 31.....	520.5	178000	+3000	+49
June 30.....	520.4	177000	-1000	-17
July 31.....	520.6	179000	+2000	+32
Aug. 31.....	520.5	178000	-1000	-16
Sept. 30.....	519.8	174000	-4000	-67
WTR YR 1996	-	-	-5000	-7

* Elevation at 0700 on day following that shown in first column.

LAKES IN APALACHICOLA RIVER BASIN--Continued

02343240 WALTER F. GEORGE LAKE NEAR FORT GAINES, GA.

LOCATION.--Lat 31°37'27", long 85°04'03", Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi upstream from bridge on State Highway 37, 1 mi north of Ft Gaines, Ga., and at mile 75.0.

DRAINAGE AREA.--7,460 mi², approximately.

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

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The nonoverflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway (crest elevation, 163.0 ft) is equipped with 14 tainter gates 42 ft wide by 29 ft high. Total capacity at elevation 190.0 ft, full summer pool, 934,400 acre-ft, of which 244,400 acre-ft between elevations 190.0 and 184.0 ft, minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 1,160,900 acre-ft Mar. 19, 1990, elevation, 194.60 ft; minimum, after first filling, 660,400 acre-ft Apr. 23, 1965, elevation, 183.17 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 972,700 acre-ft Mar. 8, elevation, 190.83 ft; minimum, 730,200 acre-ft July 21, elevation, 185.08 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	185.53	747500	-	-
Oct. 31.....	189.06	892700	+145200	+2361
Nov. 30.....	186.73	794700	-98000	-1647
Dec. 31.....	187.91	843400	+48700	+792
CAL YR 1995	-	-	-28200	-39
Jan. 31.....	188.49	911800	+68400	+1112
Feb. 29.....	189.08	893600	-18200	-316
Mar. 31.....	189.70	921100	+27500	+447
Apr. 30.....	190.06	937200	+16100	+270
May 31.....	189.07	893100	-44100	-717
June 30.....	188.36	862500	-30600	-514
July 31.....	186.28	776800	-85700	-1394
Aug. 31.....	185.94	763300	-13500	-220
Sept. 30.....	185.91	801900	+38600	+649
WTR YR 1996	-	-	+54400	+75

LAKES IN APALACHICOLA RIVER BASIN--Continued

02357500 LAKE SEMINOLE NEAR CHATTAHOOCHEE, FL.

LOCATION.--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 mi upstream from bridge on U.S. Highway 90, and 1.5 mi northwest of Chattahoochee, Fla.

DRAINAGE AREA.--17,100 mi², approximately.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee.

REVISIONS.--WSP 1554: 1955-57.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers). Prior to July 22, 1957, non-recording gage at same site at datum 53.96 ft higher; gage readings have been reduced to elevation above sea level.

REMARKS.--Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft long by 30.5 ft high, and a side channel navigation lock 82 ft wide. Gates closed on May 20, 1954; filling of pool accomplished in several stages between that date and Feb. 4, 1957, when the pool first reached normal operating level, 77.0 ft Total capacity at elevation 77.0 ft, normal pool, is 367,300 acre-ft, of which 36,170 acre-ft between elevations 77.0 and 76.0 ft is used for pondage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft Apr. 7, 8, 1960, elevation, 78.66 ft; minimum after Feb. 4, 1957, 272,100 acre-ft Nov. 27, 1978, elevation 74.18.

EXTREMES FOR CURRENT YEAR: Maximum contents 401,500 acre-ft Feb. 23, elevation, 77.88 ft; minimum, 315,100 acre-ft Aug. 26, elevation 75.52 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	76.19	338000	-	-
Oct. 31.....	76.64	354300	+16300	+265
Nov. 30.....	77.46	385200	+30900	+519
Dec. 31.....	77.28	378200	-7000	-114
CAL YR 1995	-	-	+2700	+4
Jan. 31.....	77.62	391400	+13200	+215
Feb. 29.....	77.00	367300	-24100	-419
Mar. 31.....	77.51	387100	+19800	+322
Apr. 30.....	77.51	387100	0	0
May 31.....	77.29	378600	-8500	-138
June 30.....	76.37	344500	-34100	-573
July 31.....	76.09	334400	-10100	-164
Aug. 31.....	76.52	350000	+15600	+254
Sept. 30.....	76.38	344900	-5100	-86
WTR YR 1996	-	-	+6900	+10

MOBILE RIVER BASIN

02379500 CARTECAY RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, on right bank adjacent to State Highway 52, 0.8 mi downstream from Owltown Creek, 2 mi southeast of Ellijay and 2 mi upstream of confluence with Ellijay River.

DRAINAGE AREA.--135 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-discharge records for the period March 1937 to September 1977 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1130	275	24	23	7.0	6.8	10.0	14.0	11.0	102
FEB 06...	0630	610	21	20	7.1	6.6	2.0	-10.0	12.8	96
MAR 05...	0530	325	22	20	6.8	6.5	9.0	12.0	10.4	94
APR 02...	0500	520	33	22	6.6	6.6	8.0	2.0	12.4	110
MAY 07...	0545	455	24	24	6.8	6.4	16.5	14.5	8.5	91
JUN 04...	0500	290	23	21	6.9	6.4	17.5	14.5	7.7	84
25...	0500	245	27	22	6.7	6.5	22.0	20.0	7.1	85
AUG 06...	0500	180	25	25	6.7	6.2	22.0	21.0	7.2	86
SEP 03...	0500	148	26	25	6.8	6.8	20.0	20.0	7.8	90

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3
JAN 18...	2.0	<1.0	<20	6	5
FEB 06...	2.0	<1.0	170	—	7
MAR 05...	2.0	<1.0	50	—	4
APR 02...	4.0	<1.0	<360	—	3
MAY 07...	14	<1.0	2300	—	4
JUN 04...	6.0	<1.0	130	—	7
25...	7.0	<1.0	70	—	3
AUG 06...	6.0	<1.0	330	—	4
SEP 03...	6.0	<1.0	230	—	10

MOBILE RIVER BASIN

02379500 CARTECAY RIVER NEAR ELLIJAY, GA.—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	0.290	0.050	—	<0.10	—	<0.020	<1.0
FEB 06...	0.320	<0.030	—	<0.10	—	<0.020	<1.0
MAR 05...	0.200	<0.030	—	<0.10	—	<0.020	<1.0
APR 02...	0.270	<0.030	0.20	0.20	0.47	<0.020	<1.0
MAY 07...	0.260	<0.030	0.30	0.30	0.56	0.050	<1.0
JUN 04...	0.230	<0.030	—	<0.10	—	0.030	<1.0
25...	0.230	<0.030	0.20	0.20	0.43	0.030	<1.0
AUG 06...	0.190	0.040	—	<0.10	—	<0.020	<1.0
SEP 03...	0.190	<0.030	0.10	0.10	0.29	0.030	2.0

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi downstream from State Highway 5, 2 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--236 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements 1959, 1961-62.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft above sea level. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft, Mar. 19, 1951, from floodmark.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0815	6,450	8.38	Mar. 6	1115	5,290	7.17
Nov. 7	1600	6,160	8.06	Mar. 7	0930	4,840	6.69
Jan. 27	0115	*10,900	*12.79				

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	178	302	342	415	1320	573	1100	1040	469	363	382	235
2	176	525	337	599	2530	566	941	970	463	363	310	228
3	226	578	333	617	2330	550	873	930	467	359	282	231
4	1660	451	337	485	1570	533	829	842	457	347	309	254
5	4480	392	341	441	1270	536	786	659	452	327	277	276
6	2110	388	347	568	1130	3210	767	758	442	323	287	253
7	1250	3060	372	960	1060	3790	760	771	439	320	295	228
8	781	2140	354	747	1020	2380	759	672	478	324	266	223
9	569	1070	549	620	1110	1620	693	663	1420	334	258	256
10	431	711	446	548	990	1220	644	645	894	322	243	275
11	388	1200	386	520	951	1030	626	677	649	308	290	242
12	363	1170	369	547	889	909	622	683	601	304	385	223
13	350	854	359	454	844	850	628	606	558	306	359	211
14	355	717	351	454	823	807	629	598	506	308	293	203
15	337	617	347	458	804	835	609	669	492	396	261	198
16	313	560	343	465	769	958	635	662	483	373	245	422
17	301	513	331	461	733	951	595	626	515	322	236	759
18	294	496	357	466	719	797	576	601	483	299	227	328
19	290	479	872	1470	695	1320	699	557	471	278	222	269
20	295	461	634	908	873	1010	1080	553	477	281	229	244
21	299	446	511	720	773	918	1550	542	450	293	229	264
22	281	431	461	636	711	828	1030	511	440	293	223	308
23	273	425	429	597	677	781	890	497	431	275	270	248
24	272	422	408	766	648	749	801	485	411	259	270	228
25	270	415	392	682	618	819	727	702	417	347	243	221
26	265	407	381	2410	609	801	958	500	411	391	254	214
27	334	401	372	6070	603	752	881	500	385	302	347	260
28	440	397	356	2890	628	1040	765	776	372	307	309	613
29	323	383	340	2350	590	1020	738	579	374	279	291	553
30	294	348	341	1840	---	917	1250	512	369	266	267	356
31	298	---	352	1740	---	962	---	488	---	303	246	---
TOTAL	18496	20759	12450	32904	28287	34032	24441	20274	15276	9872	8605	8823
MEAN	597	692	402	1061	975	1098	815	654	509	318	278	294
MAX	4480	3060	872	6070	2530	3790	1550	1040	1420	396	385	759
MIN	176	302	331	415	590	533	576	485	369	259	222	198
CFSM	2.53	2.93	1.70	4.50	4.13	4.65	3.45	2.77	2.16	1.35	1.18	1.25
IN.	2.92	3.27	1.96	5.19	4.46	5.36	3.85	3.20	2.41	1.56	1.36	1.39

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	276	351	465	657	791	865	764	612	473	399	327	258
MAX	765	880	1104	1351	2148	1953	1441	1283	1052	871	851	483
(WY)	1965	1978	1993	1947	1990	1990	1977	1973	1973	1976	1967	1967
MIN	107	144	176	188	231	280	263	204	119	117	105	129
(WY)	1988	1988	1989	1981	1941	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	185046		234219			
ANNUAL MEAN	507		640		517	
HIGHEST ANNUAL MEAN					835	1990
LOWEST ANNUAL MEAN					207	1988
HIGHEST DAILY MEAN	4480	Oct 5	6070	Jan 27	9870	Feb 16 1990
LOWEST DAILY MEAN	153	Aug 19	176	Oct 2	69	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	167	Aug 13	230	Sep 9	75	Aug 28 1988
INSTANTANEOUS PEAK FLOW			10900	Jan 27	17000	Oct 4 1964
INSTANTANEOUS PEAK STAGE			12.79	Jan 27	17.63	Oct 4 1964
INSTANTANEOUS LOW FLOW	172	Oct 3	65	Sep 3 1988		
ANNUAL RUNOFF (CFSM)	2.15		2.71		2.19	
ANNUAL RUNOFF (INCHES)	29.17		36.92		29.79	
10 PERCENT EXCEEDS	874		1040		930	
50 PERCENT EXCEEDS	384		477		397	
90 PERCENT EXCEEDS	198		263		187	

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1050	448	35	34	7.2	6.8	10.0	15.0	10.8	100
FEB 06...	0715	1150	25	25	6.7	6.6	2.0	-10.0	12.2	91
MAR 05...	0600	530	31	30	6.8	6.7	9.0	12.0	10.7	96
APR 02...	0530	965	30	29	6.8	6.3	8.0	2.0	11.2	99
MAY 07...	0615	822	33	32	5.7	6.4	16.5	14.5	8.3	88
JUN 04...	0530	453	34	33	6.8	6.5	18.0	14.5	7.9	87
25...	0530	415	37	34	6.9	6.6	22.0	20.0	7.0	84
AUG 06...	0530	276	42	42	6.8	6.9	22.0	21.0	6.9	82
SEP 03...	0530	228	37	38	6.9	6.8	20.0	20.0	7.5	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	3.0	1.2	230	9	10	0.290	0.160	0.080	2.0
FEB 06...	6.0	<1.0	<120	7	20	0.340	<0.030	0.030	<1.0
MAR 05...	3.0	1.3	110	5	4	0.230	0.080	0.090	1.0
APR 02...	6.0	<1.0	170	8	40	0.260	0.050	0.060	<1.0
MAY 07...	30	1.2	<6400	7	51	0.280	0.120	0.140	2.0
JUN 04...	8.0	1.9	<330	7	15	0.230	0.150	0.140	2.0
25...	8.0	1.3	3300	9	15	0.250	0.140	0.170	2.0
AUG 06...	14	1.2	2200	12	19	0.220	0.240	0.180	<1.0
SEP 03...	8.0	1.3	330	10	14	0.250	0.110	0.140	2.0

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 84°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft upstream from culvert on County Road 1011, 3.6 mi upstream from mouth, and 4.5 mi northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi².

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,311.14 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 7	1245	656	5.67	Mar. 6	0730	1,140	7.85
Jan. 26	2100	*1,370	*8.75	Mar. 7	0800	474	4.68

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	5.0	9.2	8.5	11	36	16	30	e33	13	10	13	5.9
2	5.0	16	8.5	18	139	16	27	30	13	10	8.9	6.1
3	12	14	8.3	15	77	16	26	27	13	9.9	9.1	5.9
4	53	11	8.5	12	43	15	25	25	13	9.6	8.5	6.0
5	116	11	8.6	11	34	15	24	24	12	9.5	7.6	5.9
6	23	12	8.5	19	29	413	24	23	12	9.3	10	5.5
7	15	166	9.0	24	26	255	23	23	12	9.2	8.4	5.3
8	12	37	9.1	18	25	96	24	22	36	10	7.7	5.2
9	11	19	19	15	27	69	23	21	63	10	7.3	8.6
10	9.8	14	11	14	23	58	22	20	29	9.3	6.9	6.8
11	9.3	56	10	15	22	53	21	23	22	8.5	12	6.0
12	8.9	30	9.6	17	20	50	21	21	e23	8.2	16	5.6
13	8.5	19	9.4	15	19	47	21	20	e19	8.6	9.3	5.3
14	9.5	16	9.0	14	19	45	21	19	e17	9.9	8.0	5.1
15	8.6	13	9.0	14	19	50	25	21	e16	17	7.4	4.9
16	8.4	12	9.0	13	18	54	21	19	e16	9.7	7.0	15
17	8.1	11	8.5	13	17	41	20	19	e15	9.4	6.6	9.3
18	8.1	11	11	22	17	28	19	18	e15	10	6.5	6.4
19	8.1	10	27	54	17	55	29	17	e14	8.8	7.0	5.8
20	8.5	10	16	25	25	34	e66	17	e14	8.7	6.6	5.6
21	8.1	9.7	13	20	19	30	e64	17	13	8.7	6.4	7.4
22	8.0	9.4	12	17	19	28	e38	17	13	8.4	6.6	6.8
23	7.6	9.1	11	16	18	26	e33	16	13	8.1	6.3	5.8
24	7.6	9.0	11	27	17	26	e29	15	13	7.7	7.1	5.7
25	7.6	9.0	10	19	17	28	e27	18	13	12	7.2	5.5
26	7.6	9.0	10	303	16	25	e35	15	12	8.9	6.7	5.4
27	14	9.0	9.9	245	16	25	e28	17	11	8.2	6.7	8.4
28	12	9.0	9.9	53	19	29	e26	28	11	11	7.0	21
29	9.0	9.0	9.4	34	16	27	e28	16	11	9.1	7.2	9.7
30	8.5	8.5	9.5	30	---	26	e47	15	10	8.4	6.4	7.9
31	9.2	---	10	68	---	30	---	14	---	13	6.1	---
TOTAL	447.0	587.9	333.2	1191	809	1726	867	630	507	299.1	247.5	213.8
MEAN	14.4	19.6	10.7	38.4	27.9	55.7	28.9	20.3	16.9	9.65	7.98	7.13
MAX	116	166	27	303	139	413	66	33	63	17	16	21
MIN	5.0	8.5	8.3	11	16	15	19	14	10	7.7	6.1	4.9
CFSM	1.44	1.96	1.08	3.85	2.79	5.57	2.89	2.03	1.69	.97	.80	.71
IN.	1.66	2.19	1.24	4.43	3.01	6.43	3.23	2.35	1.89	1.11	.92	.80

e Estimated

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.96	13.3	15.8	22.6	28.8	35.5	29.4	20.5	14.5	11.5	9.19	7.91
MAX	19.5	29.7	38.2	42.2	129	78.3	61.9	47.1	28.5	24.7	15.3	19.0
(WY)	1990	1978	1993	1990	1990	1980	1979	1984	1989	1976	1989	1989
MIN	3.10	4.92	6.14	6.00	9.52	9.48	8.67	5.65	2.92	3.47	2.76	3.08
(WY)	1988	1988	1989	1981	1988	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	5459.4		7858.5		18.1	
ANNUAL MEAN	15.0		21.5		32.9	
HIGHEST ANNUAL MEAN					7.15	
LOWEST ANNUAL MEAN					831	
HIGHEST DAILY MEAN	248	Feb 16	413	Mar 6	1.1	Feb 16 1990
LOWEST DAILY MEAN	3.1	Aug 24	4.9	Sep 15	1.2	Jun 26 1986
ANNUAL SEVEN-DAY MINIMUM	3.8	Aug 19	5.7	Sep 2	3160	Jun 22 1986
INSTANTANEOUS PEAK FLOW			1370	Jan 26	a16.96	May 29 1973
INSTANTANEOUS PEAK STAGE			8.75	Jan 26	1.1	May 29 1973
INSTANTANEOUS LOW FLOW			4.2	Sep 8,14-16	1.81	b
ANNUAL RUNOFF (CFSM)	1.50		2.15		24.63	
ANNUAL RUNOFF (INCHES)	20.33		29.26		32	
10 PERCENT EXCEEDS	24		34		12	
50 PERCENT EXCEEDS	11		13		5.3	
90 PERCENT EXCEEDS	5.4		7.0			

a From floodmarks.

b Part or all of each day, June 24-29, 1986.

MOBILE RIVER BASIN

02381895 TALKING ROCK CREEK NEAR BLAINE, GA.

LOCATION.--Lat 34°31'35", long 84°34'17", Pickens County, Hydrologic Unit 03150102, at bridge on State Highway 136, 4.6 mi upstream of Scarecorn Creek and 1.3 mi northwest of Blaine.

DRAINAGE AREA.--78.1 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1000	110	63	61	7.4	7.3	10.0	13.5	10.6	97
FEB 06...	0800	235	52	49	7.0	7.2	1.0	-10.0	13.2	95
MAR 05...	0630	200	59	56	7.2	7.2	8.0	5.0	12.3	107
APR 02...	0600	280	55	52	7.1	6.9	7.0	0.0	12.6	108
MAY 07...	0650	165	60	58	7.0	7.0	16.5	13.5	8.4	89
JUN 04...	0610	120	67	65	7.3	7.1	18.0	12.0	7.9	87
25...	0620	92	70	66	7.4	7.1	23.0	19.0	6.9	84
AUG 06...	0600	51	76	75	7.0	7.7	24.0	20.0	6.7	82
SEP 03...	0605	46	85	84	7.4	7.5	21.0	20.0	7.4	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	2.0	<1.0	50	19	3	0.490	<0.030	<0.020	<1.0
FEB 06...	10	<1.0	130	20	18	0.390	<0.030	0.030	<1.0
MAR 05...	2.0	<1.0	70	22	2	0.310	<0.030	<0.020	<1.0
APR 02...	5.0	<1.0	790	19	10	0.370	<0.030	<0.020	<1.0
MAY 07...	6.0	<1.0	230	21	10	0.370	0.040	<0.020	<1.0
JUN 04...	9.0	<1.0	490	25	12	0.440	<0.030	<0.020	2.0
25...	8.0	<1.0	1300	26	8	0.440	<0.030	0.030	2.0
AUG 06...	10	<1.0	220	30	12	0.340	<0.030	0.030	<1.0
SEP 03...	9.0	<1.0	130	36	14	0.390	<0.030	0.030	2.0

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank, 300 ft downstream from Scarecorn Creek, and 3.3 mi northwest of Hinton.

DRAINAGE AREA.--119 mi².

PERIOD OF RECORD.--November 1973 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 893.69 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair to poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge 18,400 ft³/s from rating curve extended above 3,100 ft³/s on basis of slope-area measurements of gage heights 8.66 and 15.45 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0515	4,880	7.90	Mar. 6	1030	8,920	10.70
Nov. 7	1445	4,370	7.47	Mar. 7	0930	5,910	8.70
Jan. 27	0200	*12,200	*12.53				

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	49	88	93	112	442	172	346	348	136	89	113	59
2	49	149	92	178	1590	170	292	284	133	86	75	57
3	59	177	90	184	1040	163	266	255	138	84	66	60
4	784	133	93	146	e550	158	249	235	131	78	66	59
5	2250	113	93	130	389	158	235	223	130	76	60	72
6	486	112	97	201	318	4360	229	220	123	74	57	60
7	234	1690	102	313	292	3000	222	223	120	73	62	54
8	151	685	97	227	281	e1150	223	212	138	77	56	52
9	120	290	195	184	312	e810	219	198	517	87	53	71
10	106	202	147	168	269	606	204	191	277	74	51	77
11	97	680	120	159	254	369	197	211	203	68	134	69
12	89	436	113	191	232	301	195	206	202	65	155	63
13	87	264	108	168	220	272	200	187	188	65	100	58
14	95	205	104	156	216	253	205	181	165	71	74	52
15	91	173	101	150	209	267	214	196	157	124	64	49
16	83	153	101	144	202	333	218	187	172	89	60	117
17	80	141	96	141	190	317	190	175	149	72	56	153
18	79	132	98	159	190	267	184	168	132	80	56	78
19	78	124	348	692	e180	575	281	160	139	68	53	67
20	79	119	216	306	e220	366	755	156	139	65	57	62
21	80	114	165	232	e250	307	867	152	121	68	57	68
22	78	109	143	196	e230	272	469	155	115	65	54	86
23	78	106	130	180	208	249	352	144	112	63	66	67
24	78	104	120	266	197	235	296	138	111	57	58	63
25	78	102	114	221	186	261	269	202	111	78	69	60
26	79	99	110	2160	181	246	316	151	106	86	60	58
27	94	99	106	4590	180	229	277	144	101	66	67	64
28	148	98	103	939	196	290	246	327	98	76	66	186
29	94	100	99	666	178	277	243	192	95	69	124	128
30	84	95	99	482	---	263	495	159	92	67	68	71
31	84	---	103	807	---	324	---	150	---	82	63	---
TOTAL	6121	7092	3796	14848	9402	17020	8954	6130	4551	2342	2220	2240
MEAN	197	236	122	479	324	549	298	198	152	75.5	71.6	74.7
MAX	2250	1690	348	4590	1590	4360	867	348	517	124	155	186
MIN	49	88	90	112	178	158	184	138	92	57	51	49
CFSM	1.66	1.99	1.03	4.02	2.72	4.61	2.51	1.66	1.27	.63	.60	.63
IN.	1.91	2.22	1.19	4.64	2.94	5.32	2.80	1.92	1.42	.73	.69	.70

e Estimated

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	97.1	143	183	269	305	383	311	213	155	116	89.7	78.9
MAX	260	366	439	500	895	964	697	455	322	264	188	178
(WY)	1990	1993	1984	1974	1990	1980	1979	1984	1989	1984	1984	1989
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	21.4	23.5
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	1988	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1974 - 1996

ANNUAL TOTAL	60763	84716	
ANNUAL MEAN	166	231	192
HIGHEST ANNUAL MEAN			323
LOWEST ANNUAL MEAN			62.7
HIGHEST DAILY MEAN	2250	Oct 5	4590
LOWEST DAILY MEAN	25	Aug 25	49
ANNUAL SEVEN-DAY MINIMUM	29	Aug 19	56
INSTANTANEOUS PEAK FLOW			12200
INSTANTANEOUS PEAK STAGE			12.53
INSTANTANEOUS LOW FLOW			47
ANNUAL RUNOFF (CFSM)	1.40		1.95
ANNUAL RUNOFF (INCHES)	18.99		26.48
10 PERCENT EXCEEDS	269		337
50 PERCENT EXCEEDS	109		143
90 PERCENT EXCEEDS	48		64

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

LOCATION.--Lat 34°36'13", long 84°41'44", Murray County, Hydrologic Unit 03150102, on downstream side of center bridge pier on U.S. Highway 411 at Carters, 200 ft upstream from Louisville & Nashville Railroad bridge, 0.4 mi downstream from Carters re-regulation dam, and 0.6 mi downstream from Talking Rock Creek.

DRAINAGE AREA.--521 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year. Monthly discharge only for October to November 1918 published in WSP 1304.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft above sea level (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.2 mi upstream at datum 2.00 ft higher.

REMARKS.--Records good to fair. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--49 years (water years 1897-1908, 1919-23, 1962-71, 1975-96), 1,181 ft³/s, 30.78 in/yr, adjusted for storage since 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft, from floodmarks; discharge 57,000 ft³/s, from rating curve extended above 24,000 ft³/s.

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	303	434	1250	844	3060	1240	2320	1300	940	625	473	1090
2	296	453	1260	845	3640	1220	3330	1340	878	658	762	847
3	318	461	1180	845	3540	1150	3280	1380	839	683	639	682
4	328	461	1100	878	3380	1120	3380	1400	861	584	390	696
5	776	452	1090	901	3760	1170	3420	1320	882	484	347	710
6	1270	570	1070	921	4360	1950	2950	1260	902	478	365	746
7	1830	884	924	897	4350	3740	1640	1420	926	431	380	765
8	1670	1020	578	940	4220	3320	1170	1530	942	406	400	719
9	1680	1470	467	1350	4130	3170	1200	1560	907	438	409	611
10	1770	2250	444	1540	4010	3070	1250	1590	1030	449	406	423
11	1790	2400	463	1590	3900	2980	1270	1390	1200	464	383	426
12	2030	2180	464	1680	3880	3830	1430	1080	1220	569	592	432
13	2190	2050	469	1770	3620	4290	1560	1010	1230	1010	1270	437
14	2160	2680	477	1670	3110	4090	1460	1020	1260	433	1530	434
15	1950	3140	484	1610	2720	3390	1380	975	1230	389	1520	386
16	1720	3240	479	1530	2550	2520	1450	974	1120	406	1240	347
17	1380	3310	461	1310	2470	1790	1480	1090	1060	420	665	358
18	1120	2830	457	1350	2150	1780	1520	1320	1090	e430	343	389
19	798	1590	481	1400	1960	1840	1690	1320	1110	513	317	413
20	503	1350	636	1410	2110	1870	1960	1290	1160	596	336	410
21	497	1340	1210	1350	2270	1890	1930	1300	1240	561	354	393
22	469	1350	1660	1280	2330	1900	2100	1300	1240	548	370	370
23	453	1160	1580	1320	2250	1880	2680	1530	1370	558	379	369
24	449	1190	1310	1340	1870	1790	2620	2000	1500	565	375	395
25	454	1170	1150	1540	1650	1660	2550	1940	1480	583	346	409
26	454	1110	1150	2470	1270	1710	2430	1540	1440	542	326	546
27	457	1070	1190	3350	1040	1800	1610	1160	1380	385	543	755
28	448	1120	1210	1460	1100	1790	1220	1170	1300	343	1120	726
29	422	1160	1230	1310	1160	1830	1120	1180	803	326	1250	713
30	390	1230	1120	1280	---	1930	1240	1100	594	367	1270	707
31	401	---	897	1840	---	1870	---	1040	---	383	1230	---
TOTAL	30776	45125	27941	43821	81860	69580	58640	40829	33134	15627	20330	16704
MEAN	993	1504	901	1414	2823	2245	1955	1317	1104	504	656	557
MAX	2190	3310	1660	3350	4360	4290	3420	2000	1500	1010	1530	1090
MIN	296	434	444	844	1040	1120	1120	974	594	326	317	347
MEAN†	1101	1391	888	2519	1959	2539	1702	1280	949	612	522	518
CFSM†	2.11	2.67	1.70	4.83	3.76	4.87	3.27	2.46	1.82	1.17	1.00	.99
IN.†	2.43	2.97	1.96	5.56	4.05	5.61	3.64	2.83	2.03	1.35	1.15	1.11

e Estimated

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	661	824	1014	1285	1488	1842	1744	1214	962	813	690	592
MAX	1852	2008	2211	2384	4651	4861	4004	2217	1573	2247	1219	871
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1990
MIN	260	267	289	309	594	369	530	407	330	328	311	312
(WY)	1979	1982	1989	1988	1988	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	378643		484367			
ANNUAL MEAN	1037		1323		1092	†1115
HIGHEST ANNUAL MEAN	†1024		†1330		1945	1990
LOWEST ANNUAL MEAN					399	1988
HIGHEST DAILY MEAN	4490		Feb 24		6580	Feb 16 1990
LOWEST DAILY MEAN	264		Aug 21		122	Nov 15 1974
ANNUAL SEVEN-DAY MINIMUM	301		Aug 20		172	Nov 13 1974
INSTANTANEOUS PEAK FLOW			4670		8370	Feb 16 1990
INSTANTANEOUS PEAK STAGE			11.96		18.94	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.99		†1.97		2.10	†2.14
ANNUAL RUNOFF (INCHES)	27.04		†26.69		28.47	†29.06
10 PERCENT EXCEEDS	1910		2640		2190	
50 PERCENT EXCEEDS	768		1180		828	
90 PERCENT EXCEEDS	353		406		324	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1972, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	627	685	1208	1421	1907	2137	1855	1410	1054	903	887	645
MAX	2159	2142	2979	2961	3449	4288	4409	2412	1955	1507	3033	1759
(WY)	1899	1907	1962	1922	1899	1964	1920	1923	1923	1906	1920	1901
MIN	187	215	374	566	600	699	823	566	459	408	350	220
(WY)	1905	1905	1966	1966	1898	1898	1904	1898	1898	1904	1902	1904

SUMMARY STATISTICS WATER YEARS 1896 - 1972

ANNUAL MEAN	1226
HIGHEST ANNUAL MEAN	1948
LOWEST ANNUAL MEAN	571
HIGHEST DAILY MEAN	21300
LOWEST DAILY MEAN	173
ANNUAL SEVEN-DAY MINIMUM	184
INSTANTANEOUS PEAK FLOW	b28500
INSTANTANEOUS PEAK STAGE	c30.60
ANNUAL RUNOFF (CFSM)	2.35
ANNUAL RUNOFF (INCHES)	31.96
10 PERCENT EXCEEDS	2210
50 PERCENT EXCEEDS	888
90 PERCENT EXCEEDS	377

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Oct 9-28 and Nov 11-15, 1904.

b Observed.

c Present datum.

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	1105	1280	51	49	7.4	7.1	7.0	9.0	12.4	104
FEB 07...	0730	4300	42	40	6.7	6.8	5.0	5.0	12.9	103
MAR 06...	0730	1380	42	41	7.2	6.9	10.0	13.0	9.9	91
APR 03...	0830	3240	35	34	6.8	6.5	9.0	9.0	11.0	97
MAY 08...	0730	1530	37	36	6.9	6.5	16.0	19.0	9.1	94
JUN 05...	0740	848	36	34	6.8	6.4	16.0	16.0	9.0	93
26...	0730	1390	32	30	7.0	6.4	18.0	20.0	8.1	88
AUG 07...	0730	366	35	35	6.8	6.8	22.0	23.0	7.3	85
SEP 04...	0730	678	36	34	6.8	6.6	22.0	19.0	7.3	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	64	1.2	790	15	40	0.300	0.070	0.120	3.0
FEB 07...	9.0	<1.0	130	22	14	0.270	<0.030	0.030	<1.0
MAR 06...	100	2.0	13000	12	231	0.220	<0.030	0.230	5.0
APR 03...	7.0	<1.0	50	10	10	0.260	<0.030	0.030	<1.0
MAY 08...	5.0	<1.0	310	10	6	0.200	<0.030	0.030	<1.0
JUN 05...	5.0	1.2	<20	10	10	0.240	0.040	<0.020	<1.0
26...	4.0	<1.0	<20	8	5	0.050	<0.030	<0.020	<1.0
AUG 07...	4.0	<1.0	80	13	8	0.160	<0.030	<0.020	<1.0
SEP 04...	3.0	<1.0	20	8	7	0.160	<0.030	<0.020	1.0

MOBILE RIVER BASIN

02383110 PINE LOG CREEK AT SONORAVILLE, GA.

LOCATION.--Lat 34°26'53", long 84°47'36", Gordon County, Hydrologic Unit 03150102, at bridge on State Highway 53, 5.5 mi upstream from Salacoa Creek and 1 mi east of Sonoraville.

DRAINAGE AREA.--99.1 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	1030	310	121	113	7.4	7.3	8.0	9.0	11.0	95
FEB 07...	0810	312	150	146	7.4	7.6	5.0	0.0	12.6	100
MAR 06...	0800	350	98	93	7.3	7.2	12.0	13.0	9.6	92
APR 03...	0900	190	155	150	7.1	7.4	11.0	10.0	10.4	96
MAY 08...	0810	77	206	195	7.5	7.5	20.0	18.0	7.7	86
JUN 05...	0815	37	234	218	7.6	7.5	18.0	14.0	8.5	92
26...	0800	32	243	228	7.6	7.5	22.0	22.0	7.2	84
AUG 07...	0800	31	247	247	7.4	8.0	23.0	23.0	7.0	83
SEP 04...	0800	28	260	250	7.8	7.7	21.0	19.0	7.3	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	25	<1.0	460	47	26	0.780	<0.030	0.060	2.0
FEB 07...	9.0	<1.0	40	70	13	0.980	<0.030	0.030	<1.0
MAR 06...	170	5.7	92000	36	252	0.490	0.510	0.510	10
APR 03...	8.0	<1.0	310	64	11	0.610	<0.030	0.030	<1.0
MAY 08...	12	<1.0	<20	89	22	0.640	<0.030	0.040	<1.0
JUN 05...	18	<1.0	2300	104	33	0.540	0.080	0.030	<1.0
26...	19	<1.0	790	111	36	0.620	<0.030	0.050	<1.0
AUG 07...	36	<1.0	1200	116	81	0.540	0.040	0.040	<1.0
SEP 04...	22	1.5	700	118	48	0.490	0.360	0.120	1.0

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on right bank at downstream side of Owens Bridge on Owens Gin Road, 1.4 mi downstream from Sallacoa Creek, 8.7 mi upstream from confluence with Conasauga River, and 2.4 mi east of Pine Chapel.

DRAINAGE AREA.--831 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga. Monthly discharge only for October to November 1938, published in WSP 1304.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 616.16 above ft sea level (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-station recorder at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975 auxiliary water-stage recorder at current gage site. April 9, 1975, to Sept. 30, 1976, water-stage recorder on Oostanula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--Records good, except those for the periods of estimated daily discharge, which are fair to good. Flow regulated by Carters Lake and Carters Re-regulation Dam (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--57 years, 1,508 ft³/s, 24.64 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft from gage reading at current auxiliary gage discharge 34,000 ft³/s.

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	313	396	1430	984	4780	1690	3910	2000	1200	696	559	1350
2	296	667	1450	1410	6720	1690	4350	1880	1110	743	853	1160
3	325	936	1380	1620	7740	1620	4130	1830	1040	763	899	853
4	1240	696	1280	1260	5510	1560	4020	1810	1060	742	512	852
5	e4700	567	1260	1170	4940	1580	3980	1710	1080	536	427	882
6	5560	567	1250	1410	4950	7600	3750	1650	1090	540	425	903
7	e3400	3180	1180	2460	4960	13000	2480	1850	1110	496	439	944
8	e2700	4520	817	1800	4860	11800	1750	1890	1160	445	458	901
9	e2150	2930	798	1900	4990	6530	1760	1840	2660	491	469	837
10	2120	2760	791	2150	4890	4860	1700	1820	1480	506	475	584
11	2040	4120	648	2090	4670	4170	1730	1740	1440	513	459	528
12	2170	4800	628	2660	4510	4630	1800	1430	1460	543	727	525
13	2430	3340	610	2640	4310	4950	1970	1280	1520	976	1290	523
14	2450	3070	601	2310	3800	4730	1880	1280	1500	778	1690	527
15	2280	3590	597	2090	3350	4240	1780	1240	1480	470	1680	486
16	2060	3590	594	2000	3050	3750	1830	1230	1350	489	1590	456
17	1720	3620	569	1640	2950	3410	1830	1240	1250	482	1020	627
18	1330	3470	554	1630	2660	2650	1840	1520	1260	498	496	525
19	1040	2190	2020	2750	2410	3890	2020	1530	1300	508	389	514
20	618	1650	1500	2530	2850	3750	3260	1510	1370	689	404	510
21	507	1600	1530	1990	3140	2950	5710	1490	1380	664	421	508
22	477	1630	2030	1720	3030	2700	4740	1500	1390	624	444	513
23	439	1430	1950	1670	2880	2560	4030	1570	1420	642	463	491
24	426	1410	1640	1980	2520	2420	3510	2100	1590	646	483	488
25	423	1400	1360	2080	2200	2330	3180	2110	1580	680	457	499
26	422	1340	1330	4990	1960	2380	3240	1870	1550	722	411	541
27	435	1260	1340	14300	1550	2340	2510	1400	1530	521	488	899
28	530	1300	1360	10400	1610	3560	1840	1600	1490	441	1150	1120
29	468	1350	1360	4390	1680	3260	1620	1580	1160	405	1450	1230
30	381	1410	1330	3070	---	3000	1980	1420	720	434	1470	991
31	372	---	1040	3900	---	3400	---	1320	---	470	1470	---
TOTAL	45822	64789	36227	88994	109470	123000	84130	50240	40730	18153	23968	21767
MEAN	1478	2160	1169	2871	3775	3968	2804	1621	1358	586	773	726
MAX	5560	4800	2030	14300	7740	13000	5710	2110	2660	976	1690	1350
MIN	296	396	554	984	1550	1560	1620	1230	720	405	389	456

e Estimated

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	840	1154	1487	2105	2356	2936	2451	1558	1174	978	823	717
MAX	2717	2653	3629	3883	6921	6657	5219	3191	2558	2706	1664	1200
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1989
MIN	296	340	409	438	922	642	688	502	353	349	365	347
(WY)	1979	1988	1988	1981	1988	1988	1986	1986	1988	1988	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	535401		707290			
ANNUAL MEAN	1467		1932		1544	
HIGHEST ANNUAL MEAN	†1454		†1939		2741	
LOWEST ANNUAL MEAN					562	
HIGHEST DAILY MEAN	7250		14300		17900	
LOWEST DAILY MEAN	287		296		188	
ANNUAL SEVEN-DAY MINIMUM	328		429		242	
INSTANTANEOUS PEAK FLOW			16700		24900	
INSTANTANEOUS PEAK STAGE			28.11		30.07	
ANNUAL RUNOFF (CFSM)	1.77		2.33		1.86	
ANNUAL RUNOFF (INCHES)	23.97		†23.76		25.25	
10 PERCENT EXCEEDS	3350		4060		3360	
50 PERCENT EXCEEDS	1050		1490		1080	
90 PERCENT EXCEEDS	420		485		403	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	595	842	1402	2057	2650	2752	2300	1676	1129	1005	800	620
MAX	1689	2965	4578	4937	5269	6502	4565	3906	2771	1892	2239	1688
(WY)	1965	1949	1962	1947	1946	1964	1964	1973	1973	1967	1967	1950
MIN	246	343	426	541	678	1121	838	464	463	568	439	276
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1941	1960	1957	1954

SUMMARY STATISTICS	WATER YEARS 1939 - 1974	
ANNUAL MEAN	1485	
HIGHEST ANNUAL MEAN	2143	
LOWEST ANNUAL MEAN	717	
HIGHEST DAILY MEAN	31500	
LOWEST DAILY MEAN	220	
ANNUAL SEVEN-DAY MINIMUM	229	
INSTANTANEOUS PEAK FLOW	40200	
INSTANTANEOUS PEAK STAGE	a34.20	
ANNUAL RUNOFF (CFSM)	1.79	
ANNUAL RUNOFF (INCHES)	24.28	
10 PERCENT EXCEEDS	2740	
50 PERCENT EXCEEDS	1000	
90 PERCENT EXCEEDS	425	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a At current base gage, 30.8 ft at current auxiliary gage.

MOBILE RIVER BASIN

02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA.

LOCATION.--Lat 34°32'28", long 84°54'03", Gordon County, Hydrologic Unit 03150102, at bridge on State Highway 225, 0.2 mi upstream from confluence with Conasauga River, and 4.0 mi northeast of Calhoun.

DRAINAGE AREA.--861 mi².

PERIOD OF RECORD.--August 1974 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Carters Lake and Carters reregulation reservoir (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Discharge obtained from gaging station 02383500, Coosawattee River near Pine Chapel, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0915	1670	72	69	7.6	7.4	5.0	1.0	11.9	95
FEB 08...	0900	4850	55	53	7.2	7.0	5.5	5.0	11.6	94
MAR 07...	0900	11800	54	51	7.0	6.7	12.0	10.0	8.7	84
APR 04...	0850	4070	49	46	7.4	6.6	12.0	13.0	9.9	94
MAY 09...	0830	1860	58	55	7.3	7.1	17.0	18.0	8.7	91
JUN 06...	0830	1110	61	58	7.4	6.9	18.0	17.0	8.0	86
27...	0820	1570	47	44	7.4	7.0	21.0	20.0	7.2	82
AUG 08...	0815	466	73	72	7.5	7.7	24.0	25.0	6.4	78
SEP 05...	0810	890	56	57	7.3	7.1	22.0	20.0	7.1	83

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	11	<1.0	230	26	24	0.380	<0.030	0.030	2.0
FEB 08...	12	<1.0	110	20	16	0.340	0.040	0.040	2.0
MAR 07...	150	3.1	<7900	--	15	0.410	0.120	0.310	6.0
APR 04...	8.0	<1.0	<20	--	10	0.300	<0.030	0.030	<1.0
MAY 09...	8.0	<1.0	<80	--	20	0.270	<0.030	0.030	<1.0
JUN 06...	8.0	<1.0	70	--	19	--	--	--	--
27...	7.0	<1.0	80	--	150	0.200	<0.030	0.030	<1.0
AUG 08...	5.0	<1.0	<20	--	30	0.290	<0.030	<0.020	<1.0
SEP 05...	6.0	<1.0	330	--	23	0.210	<0.030	<0.020	<1.0

MOBILE RIVER BASIN

02383800 JACKS RIVER AT ALACOLSY, GA.

LOCATION.--Lat 34°59'17", long 84°38'03", Murray County, Tennessee, Hydrologic Unit 03150101, at bridge on County Rd 39, 0.5 mi north of intersection with Georgia State Highway 2 at Georgia-Tennessee State line, 4.5 mi northeast of Alacolsy and .25 mi upstream from Conasauga River.

DRAINAGE AREA.--40.3 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	1250	370	12	11	6.8	6.3	7.5	10.0	11.6	100
APR 03...	0730	295	13	12	6.6	6.1	6.5	1.0	11.7	98
MAY 08...	0630	210	14	13	6.8	6.0	16.0	15.0	9.1	95
JUN 05...	0630	71	15	17	6.8	6.3	15.0	11.0	9.4	96
26...	0630	33	16	14	6.9	6.2	21.0	17.0	8.4	97
AUG 07...	0630	47	16	17	7.4	6.7	22.0	20.0	8.2	97
SEP 04...	0630	36	17	17	7.0	6.6	20.0	19.0	8.5	97

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	<1.0	<1.0	<20	3	1	0.050	<0.030	<0.020	<1.0
APR 03...	<1.0	<1.0	<20	2	<1	0.040	<0.030	<0.020	<1.0
MAY 08...	<1.0	<1.0	<20	2	<1	0.030	<0.030	<0.020	<1.0
JUN 05...	<1.0	<1.0	<20	3	7	0.070	0.040	<0.020	<1.0
26...	<1.0	<1.0	<20	4	<1	0.060	<0.030	<0.020	<1.0
AUG 07...	<1.0	<1.0	220	6	2	0.040	<0.030	<0.020	<1.0
SEP 04...	1.0	<1.0	230	4	4	0.050	<0.030	<0.020	1.0

MOBILE RIVER BASIN

02384000 CONASAUGA RIVER NEAR TENNGA, GA.

LOCATION.--Lat 35°00'34", long 84°44'02", Polk County, Tennessee, Hydrologic Unit 03150101, at bridge on U.S. Highway 411, 1.5 mi north of Tennega, Murray County, Georgia and 3 mi upstream from Mill Creek.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge records for the periods May 1929 through December 1931 and October 1943 through December 1947 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	1340	675	22	19	6.6	6.8	7.5	10.0	11.7	100
FEB 07...	0630	850	25	23	6.4	6.8	2.0	3.0	12.7	93
MAR 06...	0630	2000	60	61	7.4	7.3	11.0	12.0	9.2	86
APR 03...	0650	450	23	23	6.9	6.4	7.0	0.0	11.6	98
MAY 08...	0600	720	26	25	6.9	6.4	17.0	15.0	8.2	87
JUN 05...	0550	175	34	32	7.0	6.7	18.0	12.0	7.8	85
26...	0530	145	38	37	7.1	6.6	24.0	20.0	6.7	82
AUG 07...	0530	125	40	41	7.2	7.1	24.0	21.0	6.7	82
SEP 04...	0530	59	48	47	7.3	7.1	22.0	19.0	7.6	88

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	2.0	<1.0	<20	6	3	0.100	<0.030	<0.020	<1.0
FEB 07...	<1.0	<1.0	<20	5	1	0.080	<0.030	<0.020	<1.0
MAR 06...	160	3.3	7900	21	347	0.160	0.320	0.370	6.0
APR 03...	<1.0	<1.0	<20	7	2	0.040	<0.030	<0.020	<1.0
MAY 08...	2.0	<1.0	70	7	3	0.040	<0.030	<0.020	<1.0
JUN 05...	2.0	1.2	110	9	2	0.040	<0.030	<0.020	<1.0
26...	3.0	<1.0	170	14	4	0.040	<0.030	<0.020	<1.0
AUG 07...	4.0	<1.0	220	17	12	<0.020	<0.030	<0.020	<1.0
SEP 04...	3.0	<1.0	170	18	7	0.020	<0.030	<0.020	1.0

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.

LOCATION.--Lat 34°49'40", long 84°51'03", Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on State Highway 286, 3.4 mi upstream from Mill Creek, 5.2 mi west of Eton, and at mile 42.7.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

REVISED RECORDS.--WDR GA-94-1: 1973 (M), 1990 (M).

GAGE.--Water-stage recorder. Datum of gage is 672.64 ft above sea level. June 26, 1953, to September 30, 1958 and August 16, 1962 to September 30, 1981, crest-stage gage at site 75 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 3,800 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	1200	8,910	14.04	Mar. 8	0200	11,200	14.96
Jan. 27	1900	*15,600	*16.48	June 10	0200	9,820	14.41
Feb. 3	0500	4,310	11.63				

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	74	213	339	765	1220	411	1350	904	408	171	404	152
2	70	577	303	1040	2810	391	1030	707	357	164	294	111
3	72	1970	274	1590	3770	365	853	587	345	157	174	103
4	1210	1720	271	933	1470	333	729	509	329	144	136	108
5	4100	776	281	648	921	317	639	455	294	137	164	149
6	7570	572	258	1040	804	2260	588	1010	265	133	173	164
7	2420	1560	256	2720	729	8250	549	2850	244	131	147	144
8	552	2660	294	1620	939	8680	503	873	244	128	181	116
9	411	1110	1490	913	1670	2480	503	608	4750	136	248	107
10	325	716	1020	765	1240	1070	446	493	7080	131	269	123
11	272	1010	629	675	952	836	417	479	1280	118	174	117
12	238	1460	496	1190	772	726	398	489	746	111	156	104
13	215	887	428	915	661	648	384	386	606	108	271	90
14	214	694	379	707	610	583	383	354	497	106	278	86
15	235	571	346	638	574	573	363	413	432	126	198	80
16	200	478	333	653	523	717	381	488	441	162	154	104
17	172	425	339	660	480	615	342	362	437	135	130	676
18	158	385	314	626	453	540	321	324	404	110	115	359
19	150	359	1760	1900	432	1060	352	294	355	109	105	221
20	148	333	1340	1590	484	901	1010	271	334	106	100	165
21	152	312	747	878	575	725	2890	252	296	99	112	152
22	153	292	582	685	523	620	1790	239	270	111	118	277
23	133	276	488	588	480	554	913	229	249	162	97	207
24	129	267	420	1080	441	513	698	218	241	140	112	148
25	124	256	376	950	396	519	586	826	256	220	154	129
26	119	239	346	1650	371	593	906	766	250	383	105	118
27	198	229	320	11100	361	545	1140	1410	216	191	141	110
28	561	237	300	7810	471	1720	769	1440	201	129	120	211
29	374	568	275	2130	503	2310	629	1210	191	114	105	623
30	269	432	259	1280	---	1210	779	672	181	141	100	382
31	227	---	272	1510	---	1120	---	504	---	212	126	---
TOTAL	21245	21584	15535	51249	25635	42185	22641	20622	22199	4525	5161	5636
MEAN	685	719	501	1653	884	1361	755	665	740	146	166	188
MAX	7570	2660	1760	11100	3770	8680	2890	2850	7080	383	404	676
MIN	70	213	256	588	361	317	321	218	181	99	97	80
CFSM	2.72	2.86	1.99	6.56	3.51	5.40	2.99	2.64	2.94	.58	.66	.75
IN.	3.14	3.19	2.29	7.57	3.78	6.23	3.34	3.04	3.28	.67	.76	.83

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	256	391	697	851	1070	969	562	442	334	217	169	161
MAX	1239	877	1643	1653	2803	1977	1088	1360	1222	611	523	699
(WY)	1990	1990	1983	1996	1990	1994	1994	1984	1989	1994	1994	1989
MIN	40.6	56.7	101	153	214	244	146	108	46.6	51.3	51.5	40.2
(WY)	1994	1988	1988	1986	1988	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS

FOR 1995 CALENDAR YEAR

FOR 1996 WATER YEAR

WATER YEARS 1982 - 1996

ANNUAL TOTAL	196763		258217			
ANNUAL MEAN	539		706		507	
HIGHEST ANNUAL MEAN					848	1990
LOWEST ANNUAL MEAN					158	1988
HIGHEST DAILY MEAN	16600	Feb 17	11100	Jan 27	23000	Mar 28 1994
LOWEST DAILY MEAN	32	Sep 12	70	Oct 2	24	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	35	Sep 7	101	Sep 10	29	Aug 30 1987
INSTANTANEOUS PEAK FLOW			15600	Jan 27	30000	Mar 28 1994
INSTANTANEOUS PEAK STAGE			16.48	Jan 27	20.52	Mar 28 1994
INSTANTANEOUS LOW FLOW			68	Oct 3	23	Jul 11 1988
ANNUAL RUNOFF (CFSM)	2.14		2.80		2.01	
ANNUAL RUNOFF (INCHES)	29.05		38.12		27.36	
10 PERCENT EXCEEDS	1080		1420		1030	
50 PERCENT EXCEEDS	250		383		248	
90 PERCENT EXCEEDS	67		119		67	

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.

LOCATION.--Lat 34°52'19", long 84°43'17", Murray County, Hydrologic Unit 03150101, on right bank 100 ft south of Forest Service Road 630, 2.1 mi from Crandall, 1.3 mi upstream from Cohorn Creek, and 1.4 mi northeast of Crandall.

DRAINAGE AREA.--8.27 mi².

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 888.98 ft above sea level.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0545	521	4.12	Mar. 7	0930	560	4.22
Jan. 26	2030	*1,060	5.27	June 9	0845	626	4.38

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	1.1	10	10	22	48	16	40	50	16	5.2	12	4.3
2	1.0	85	9.4	49	111	16	37	34	14	4.9	5.0	3.4
3	1.9	107	8.8	59	83	14	32	26	14	4.6	3.6	3.7
4	37	63	8.9	34	49	13	27	21	12	4.1	4.6	3.4
5	245	33	8.4	24	46	13	23	18	9.7	3.9	5.4	8.6
6	59	23	7.9	41	31	161	21	45	8.6	3.6	4.3	7.5
7	23	101	9.0	78	27	296	19	46	7.8	3.5	3.4	4.9
8	14	83	16	49	29	107	18	31	29	4.4	4.3	4.2
9	10	41	76	33	40	56	16	23	295	5.0	5.0	4.1
10	8.0	26	39	25	39	39	15	19	83	3.7	3.4	10
11	6.7	54	24	25	33	31	14	20	40	3.2	3.0	7.2
12	5.8	57	19	43	27	27	13	17	27	3.1	5.5	4.1
13	5.6	35	16	27	23	23	13	15	20	3.2	5.9	3.2
14	8.1	25	14	21	21	20	13	14	16	3.1	4.5	2.7
15	6.3	19	12	21	20	22	14	16	14	4.4	3.6	2.3
16	4.8	16	12	23	18	20	13	14	14	4.0	3.0	22
17	4.3	14	11	22	16	18	11	12	31	3.0	2.7	37
18	3.9	12	13	23	15	17	11	12	25	2.8	2.5	13
19	3.8	11	72	96	14	33	15	12	17	2.6	2.4	8.4
20	5.1	10	43	54	29	30	54	11	14	2.4	3.1	6.4
21	4.9	9.5	27	35	27	26	90	10	12	2.5	4.1	8.7
22	3.9	8.8	21	25	23	21	55	9.5	10	4.3	2.5	8.4
23	3.5	8.3	17	21	20	19	37	8.5	8.8	4.2	2.6	5.9
24	3.8	8.0	15	36	18	18	27	8.0	8.6	2.9	5.0	5.0
25	3.7	7.5	13	32	16	23	22	38	8.9	8.2	4.0	4.6
26	3.5	7.1	12	255	15	22	50	22	7.3	5.7	3.0	4.1
27	21	6.9	11	302	15	21	44	21	6.6	3.8	3.1	4.2
28	28	9.8	9.9	91	20	85	31	41	6.3	3.1	2.7	35
29	16	14	9.6	56	16	72	26	32	5.9	3.0	2.3	32
30	12	11	9.3	46	---	47	66	23	5.5	3.4	5.1	17
31	10	---	11	54	---	40	---	19	---	7.3	5.4	---
TOTAL	564.7	915.9	585.2	1722	889	1366	867	688.0	787.0	123.1	127.0	285.3
MEAN	18.2	30.5	18.9	55.5	30.7	44.1	28.9	22.2	26.2	3.97	4.10	9.51
MAX	245	107	76	302	111	296	90	50	295	8.2	12	37
MIN	1.0	6.9	7.9	21	14	13	11	8.0	5.5	2.4	2.3	2.3
CFSM	2.20	3.69	2.28	6.72	3.71	5.33	3.49	2.68	3.17	.48	.50	1.15
IN.	2.54	4.12	2.63	7.75	4.00	6.14	3.90	3.09	3.54	.55	.57	1.28

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.6	19.6	25.2	35.7	37.9	37.0	22.3	13.6	15.5	11.9	8.01	8.40
MAX	30.0	35.9	48.3	55.5	108	71.6	50.8	24.4	57.3	43.6	25.9	32.0
(WY)	1990	1990	1992	1996	1990	1990	1994	1991	1989	1990	1994	1989
MIN	1.26	1.52	3.95	7.30	11.8	12.5	5.91	3.48	1.49	1.75	1.81	1.73
(WY)	1988	1988	1988	1986	1988	1988	1986	1986	1988	1986	1995	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1985 - 1996	
ANNUAL TOTAL	7330.93		8920.2		20.8	
ANNUAL MEAN	20.1		24.4		34.3	
HIGHEST ANNUAL MEAN					8.37	
LOWEST ANNUAL MEAN					970	
HIGHEST DAILY MEAN	528	Feb 16	302	Jan 27	970	Feb 16 1990
LOWEST DAILY MEAN	.45	Aug 19	1.0	Oct 2	.45	Aug 19 1995
ANNUAL SEVEN-DAY MINIMUM	.56	Sep 7	2.8	Aug 17	.56	Sep 7 1995
INSTANTANEOUS PEAK FLOW			1060	Jan 26	a2240	Feb 16 1990
INSTANTANEOUS PEAK STAGE			5.27	Jan 26	6.96	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.43		2.95		2.51	
ANNUAL RUNOFF (INCHES)	32.98		40.12		34.12	
10 PERCENT EXCEEDS	44		49		44	
50 PERCENT EXCEEDS	8.8		14		11	
90 PERCENT EXCEEDS	1.2		3.5		2.0	

a From rating curve extended above 430 ft³/s on basis of slope-conveyance study.

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton waterworks intake, 0.4 mi upstream from U.S. Highway 76, and 5.5 mi east of Dalton.

DRAINAGE AREA.--308 mi².

PERIOD OF RECORD.--July 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 12...	0530	240	137	131	7.3	7.6	18.0	15.0	8.2	88
NOV 27...	0530	190	141	132	7.1	7.6	9.0	10.0	8.8	78
DEC 14...	0500	400	116	114	6.9	7.6	7.0	11.0	9.8	82
JAN 04...	0500	1400	72	70	7.1	6.9	7.0	1.0	9.9	84
FEB 08...	0520	1430	103	94	7.5	7.4	5.0	4.0	10.7	86
MAR 07...	0530	3600	64	60	7.0	6.9	14.0	14.0	9.3	94
APR 04...	0530	760	91	89	7.8	7.2	13.0	15.0	9.7	94
MAY 09...	0540	770	92	88	7.3	7.1	19.0	17.0	7.9	87
JUN 06...	0530	215	116	108	7.6	7.3	20.0	18.0	7.6	85
27...	0530	165	132	126	7.6	7.4	25.0	22.0	7.0	87
AUG 08...	0530	118	126	126	7.6	7.9	26.0	25.0	6.7	84
SEP 05...	0530	84	147	149	7.6	7.6	22.5	19.5	7.1	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 12...	7.0	7	<1.0	1300	68	61	10
NOV 27...	3.0	<5	<1.0	110	66	61	3
DEC 14...	5.0	5	<1.0	170	54	44	5
JAN 04...	18	12	1.2	--	30	26	29
FEB 08...	6.0	<5	<1.0	50	--	42	7
MAR 07...	70	25	2.5	<13	--	21	71
APR 04...	7.0	<3	<1.0	130	--	37	15
MAY 09...	17	19	<1.0	700	--	37	32
JUN 06...	11	<5	<1.0	170	--	50	15
27...	8.0	8	<1.0	170	--	60	12
AUG 08...	9.0	6	<1.0	170	--	58	20
SEP 05...	8.0	8	<1.0	170	--	63	14

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	0.320	0.040	0.16	0.20	0.52	0.020	3.0
NOV 27...	0.350	<0.030	--	<0.10	--	<0.020	1.0
DEC 14...	0.300	<0.030	0.10	0.10	0.40	<0.020	1.0
JAN 04...	0.200	<0.030	0.20	0.20	0.40	0.050	3.0
FEB 08...	0.490	<0.030	--	<0.10	--	<0.020	<1.0
MAR 07...	0.200	<0.030	0.70	0.70	0.90	0.160	6.0
APR 04...	0.250	<0.030	--	<0.10	--	<0.020	<1.0
MAY 09...	0.230	<0.030	0.20	0.20	0.43	<0.020	2.0
JUN 06...	0.250	<0.030	--	<0.10	--	<0.020	<1.0
27...	0.330	<0.030	--	<0.10	--	<0.020	2.0
AUG 08...	0.210	0.040	--	<0.10	--	0.510	<1.0
SEP 05...	0.230	<0.030	0.30	0.30	0.53	0.030	2.0

MOBILE RIVER BASIN

02385250 COAHULLA CREEK NEAR DALTON, GA.

LOCATION.--Lat 34°46'46", long 84°53'47", Whitfield County, Hydrologic Unit 03150101, at bridge on U.S. Highway 76, 6.3 mi upstream from Conasauga River and 4 mi east of Dalton.

DRAINAGE AREA.--119 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0730	143	212	196	7.4	7.8	5.0	2.0	11.8	94
FEB 08...	0500	137	210	202	7.4	7.7	5.0	4.0	11.7	94
MAR 07...	0500	2580	103	97	7.0	7.2	14.0	14.0	9.2	93
APR 04...	0500	80	211	199	7.2	7.6	14.0	15.0	9.2	92
MAY 09...	0500	130	164	154	7.2	7.2	20.0	17.0	7.5	84
JUN 06...	0500	23	273	239	7.5	7.5	21.0	18.0	7.2	83
27...	0500	29	250	234	7.4	7.5	26.0	22.0	6.5	82
AUG 08...	0500	23	275	272	7.5	8.1	26.0	25.0	6.4	81
SEP 05...	0500	12	248	244	7.6	7.6	22.5	19.5	6.8	81

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	10	<1.0	330	92	8	0.850	<0.030	0.050	3.0
FEB 08...	6.0	<1.0	130	85	7	1.06	0.070	0.040	2.0
MAR 07...	80	3.5	<3	37	76	0.360	0.100	0.220	8.0
APR 04...	14	1.4	130	89	27	0.530	<0.030	0.060	3.0
MAY 09...	27	1.9	1300	65	33	0.450	0.080	0.100	7.0
JUN 06...	20	<1.0	270	117	22	0.410	<0.030	0.060	2.0
27...	11	<1.0	1100	115	15	0.450	0.050	0.070	4.0
AUG 08...	12	<1.0	110	123	18	0.400	0.060	0.060	2.0
SEP 05...	13	<1.0	490	115	16	0.370	0.040	0.190	3.0

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft upstream from bridge on Smyrna-Ramhurst Road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.

DRAINAGE AREA.--64.0 mi².

PERIOD OF RECORD.--June 1960 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 689.25 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good, except those between 100 and 1000 ft³/s, which are fair. Low flow affected by withdrawals and return flow by the city of Chatsworth. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1800	2,950	9.34	Mar. 7	1900	2,870	9.30
Nov. 8	0400	1,680	8.59	June 9	1000	4,470	10.14
Jan. 27	0500	*7,630	*11.51				

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	13	48	47	117	262	84	395	218	61	36	83	17
2	12	242	46	316	929	81	287	160	57	34	40	15
3	13	457	45	515	e870	75	225	130	60	32	29	19
4	306	289	45	225	e400	70	186	111	54	30	24	18
5	1960	144	45	145	278	69	158	98	50	28	40	28
6	972	122	46	253	233	1310	143	301	47	27	41	27
7	173	912	65	508	213	2340	128	664	44	25	31	21
8	90	1120	61	308	256	1210	124	191	180	28	24	18
9	63	288	353	202	285	399	116	137	3070	35	26	17
10	52	160	169	167	225	263	102	112	936	28	23	21
11	46	531	104	154	200	212	95	113	220	23	20	19
12	41	617	86	390	170	179	90	103	171	22	43	16
13	38	245	74	199	146	153	90	89	139	21	53	14
14	46	164	67	154	128	138	88	82	107	21	33	12
15	48	121	62	147	121	165	84	97	89	41	25	11
16	37	96	60	154	110	200	96	85	103	38	21	82
17	33	83	57	141	102	170	78	74	113	24	18	237
18	30	73	62	130	99	132	74	68	89	31	16	50
19	29	68	583	657	93	460	127	64	73	21	17	34
20	31	64	254	348	190	238	537	61	68	30	36	27
21	38	60	145	215	175	181	1030	58	61	27	26	31
22	31	57	110	158	139	147	438	59	57	26	19	45
23	28	54	91	132	121	128	247	54	53	30	23	27
24	28	53	79	270	106	115	179	51	53	23	20	23
25	29	51	71	192	94	149	145	203	71	108	24	20
26	30	48	67	1050	90	141	272	98	52	83	18	18
27	96	47	63	4510	87	126	199	84	47	32	36	17
28	150	49	59	955	114	727	150	201	44	25	38	205
29	64	60	55	421	95	609	129	114	41	24	24	132
30	50	51	53	302	---	315	263	85	38	27	21	54
31	46	---	56	337	---	335	---	70	---	49	19	---
TOTAL	4623	6374	3180	13772	6331	10921	6275	4035	6248	1029	911	1275
MEAN	149	212	103	444	218	352	209	130	208	33.2	29.4	42.5
MAX	1960	1120	583	4510	929	2340	1030	664	3070	108	83	237
MIN	12	47	45	117	87	69	74	51	38	21	16	11
CFSM	2.33	3.32	1.60	6.94	3.41	5.50	3.27	2.03	3.25	.52	.46	.66
IN.	2.69	3.70	1.85	8.00	3.68	6.35	3.65	2.35	3.63	.60	.53	.74

e Estimated

MOBILE RIVER BASIN

02386100 HOLLY CREEK BELOW CHATSWORTH, GA.

LOCATION.--Lat 34°40'19", long 84°49'29", Murray County, Hydrologic Unit 03150101, at bridge on State Highway 225, 7.75 mi upstream from Conasauga River and 7 mi southwest of Chatsworth.

DRAINAGE AREA.--103 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	1140	535	46	43	7.0	6.8	7.0	9.0	11.1	94
FEB 07...	0530	620	42	42	--	6.7	3.0	3.0	12.4	93
MAR 06...	0530	1100	75	71	7.2	7.0	11.0	12.0	9.8	92
APR 03...	0600	420	51	48	6.7	6.6	9.0	0.0	11.6	103
MAY 08...	0500	510	59	56	6.6	6.4	19.0	17.0	8.3	91
JUN 05...	0500	67	62	56	6.8	6.6	19.0	12.0	8.1	89
JUN 26...	0500	68	69	63	7.1	6.5	24.0	20.0	6.8	83
AUG 07...	0500	49	92	91	6.8	7.3	25.0	21.0	6.6	82
SEP 04...	0500	24	109	104	7.2	7.1	23.0	19.0	7.1	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	13	<1.0	<150	13	19	0.170	<0.030	0.030	2.0
FEB 07...	6.0	<1.0	90	8	7	0.150	<0.030	<0.020	<1.0
MAR 06...	66	1.3	4900	26	93	0.140	<0.030	0.080	4.0
APR 03...	12	<1.0	50	14	28	0.100	<0.030	0.040	2.0
MAY 08...	25	1.2	1700	17	40	0.110	0.050	0.090	4.0
JUN 05...	12	<1.0	110	17	22	0.410	0.080	0.080	2.0
JUN 26...	18	<1.0	330	20	24	0.360	<0.030	0.100	2.0
AUG 07...	17	<1.0	230	28	22	0.600	0.060	0.140	3.0
SEP 04...	12	<1.0	490	30	22	0.720	<0.030	0.160	2.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft downstream from Tilton Road bridge, 0.2 mi downstream from Swamp Creek, 0.5 mi northeast of Tilton, and 12 mi upstream from confluence with Coosawattee River.

DRAINAGE AREA.--687 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft above sea level (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft upstream at same datum. Since Oct. 1, 1979, auxiliary water-stage recorder at Sloan Road bridge, 3.2 mi downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage during 1961-79 water years.

REMARKS.--Records good. Flow affected by withdrawals and return flow by the city of Dalton, Ga.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 7	2000	10,300	19.07	Mar. 9	1400	17,200	23.08
Nov. 9	0400	6,220	14.39	Mar. 29	2400	5,730	13.38
Jan. 8	1300	5,570	12.98	Apr. 22	1600	6,570	15.18
Jan. 29	0600	*19,600	*24.29	May 8	0600	5,360	12.64
Feb. 4	unknown	7,200	unknown	June 11	1900	10,900	19.25

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	189	478	916	1210	3270	1000	3760	1730	766	366	1270	319
2	181	945	703	2400	4530	910	3100	1470	658	330	858	321
3	184	3090	650	3720	6440	868	2260	1180	630	323	542	308
4	3180	3980	592	3600	e7200	796	1830	1020	606	311	415	236
5	8210	2570	576	1870	e5600	717	1570	933	551	313	349	247
6	8870	1480	584	1880	e2500	4070	1400	1270	502	307	369	298
7	9990	3840	602	4590	e2000	8520	1310	4690	468	294	335	334
8	8500	5930	616	5440	e1900	12500	1190	4510	486	284	301	373
9	1910	5800	2160	3820	3310	16700	1120	1720	4300	292	311	308
10	951	2560	3130	2110	3690	13400	1030	1210	7810	286	386	291
11	762	2870	1810	1790	2670	4510	926	1090	10400	264	403	256
12	657	4520	1220	2650	2000	1920	870	1180	7520	241	405	250
13	588	3540	1020	3030	1610	1680	847	969	1840	238	418	231
14	578	1970	914	2120	1420	1480	850	823	1370	254	448	203
15	591	1530	817	1680	1320	1380	817	816	995	296	389	209
16	539	1230	751	1500	1220	1820	811	1050	833	334	315	432
17	434	1030	730	1450	1100	1980	758	952	901	305	276	2120
18	380	925	733	1410	1040	1590	676	770	1080	258	271	1630
19	357	859	2650	3140	982	2710	778	683	847	256	251	691
20	347	788	4320	4700	1410	3300	2330	626	738	258	216	446
21	373	710	2460	3020	1560	2090	5850	571	657	336	263	426
22	380	655	1500	1870	1380	1610	6470	539	603	348	262	615
23	374	625	1220	1530	1220	1370	4060	515	503	292	237	651
24	313	617	1050	1980	1120	1230	1930	490	506	325	227	425
25	288	591	935	2990	1020	1220	1490	614	584	572	291	333
26	277	565	859	3690	924	1360	1580	1480	508	1210	317	288
27	510	534	784	11000	857	1230	2410	1450	448	690	266	276
28	1400	506	729	16200	920	3250	1910	2230	410	421	694	715
29	1220	769	676	19100	1230	5430	1370	2430	385	348	517	1630
30	731	1400	633	13900	---	4850	1320	1440	380	369	312	1140
31	535	---	642	5740	---	3300	---	963	---	533	329	---
TOTAL	53799	56907	36982	135130	65443	108791	56623	41414	48285	11254	12243	16002
MEAN	1735	1897	1193	4359	2257	3509	1887	1336	1609	363	395	533
MAX	9990	5930	4320	19100	7200	16700	6470	4690	10400	1210	1270	2120
MIN	181	478	576	1210	857	717	676	490	380	238	216	203
CFSM	2.53	2.76	1.74	6.35	3.28	5.11	2.75	1.94	2.34	.53	.57	.78
IN.	2.91	3.08	2.00	7.32	3.54	5.89	3.07	2.24	2.61	.61	.66	.87

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	438	821	1378	2138	2545	2560	1742	1055	667	597	405	391
MAX	2996	4022	4761	6499	7419	6672	4596	3308	3203	2347	1899	1763
(WY)	1990	1958	1962	1947	1990	1980	1977	1984	1989	1967	1967	1975
MIN	77.3	112	196	176	356	592	308	211	54.0	111	69.5	66.3
(WY)	1988	1979	1966	1981	1941	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	448326		642873		1222	
ANNUAL MEAN	1228		1756		2147	
HIGHEST ANNUAL MEAN					392	
LOWEST ANNUAL MEAN					1990	
HIGHEST DAILY MEAN	19000	Feb 19	19100	Jan 29	32800	Feb 18 1990
LOWEST DAILY MEAN	53	Sep 13	181	Oct 2	12	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	64	Sep 7	247	Aug 18	24	Aug 29 1987
INSTANTANEOUS PEAK FLOW			19600	Jan 29	a36800	Feb 17 1990
INSTANTANEOUS PEAK STAGE			24.29	Jan 29	b30.20	Mar 30 1951
ANNUAL RUNOFF (CFSM)	1.79		2.56		1.78	
ANNUAL RUNOFF (INCHES)	24.28		34.81		24.17	
10 PERCENT EXCEEDS	2780		4060		2840	
50 PERCENT EXCEEDS	570		915		548	
90 PERCENT EXCEEDS	132		293		149	

a Gage height, 29.89 ft.

b Backwater from Coosawattee River.

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

pH: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: October 1975 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 680 μ S Oct. 17, 1993; minimum recorded, 34 μ S Mar. 23, 1980.

pH: Maximum recorded, 10.7 units Feb. 13, 1988; minimum recorded, 6.3 units July 5, 6, 1976, Jan. 8, 1992.

WATER TEMPERATURE: Maximum recorded, 33.0°C July 21, 1986, July 29, 1993; minimum recorded, 0.0°C Dec. 19, 20, 1981; Dec. 23, 24, 1989; Jan. 19, 20, 21, 1994; Feb. 4, 1996.

DISSOLVED OXYGEN: Maximum recorded, 15.7 mg/L June 12, 1988; minimum recorded, 0.2 mg/L May 13, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 351 μ S Oct. 3; minimum, 45 μ S Jan. 29.

pH: Maximum, 8.1 units Mar. 4, 5, Apr. 17, 18; minimum, 6.7 units Oct. 7, June 10, 11.

WATER TEMPERATURE: Maximum, 29.5°C July 3, 18, 19; minimum, 0.0°C Feb. 4.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Dec. 30; minimum, 4.1 mg/L Sept. 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 12...	0700	671	195	185	7.4	7.5	18.0	12.0	7.5	81
NOV 27...	0700	548	220	206	7.7	7.5	8.0	10.0	10.6	92
DEC 14...	0700	939	180	175	7.5	7.6	6.0	10.0	11.8	96
JAN 04...	0700	4020	105	97	7.4	7.1	7.0	-2.0	10.8	91
FEB 08...	0730	1750	123	118	7.5	7.5	4.0	3.0	12.0	94
MAR 07...	0740	7520	92	87	7.2	7.0	13.0	10.0	8.3	81
APR 04...	0715	1890	128	122	7.5	7.2	13.0	10.0	9.4	92
MAY 09...	0710	1830	128	123	7.3	6.8	18.0	14.0	7.0	75
JUN 06...	0700	510	193	181	7.5	7.6	20.0	14.0	7.2	81
JUN 27...	0700	460	215	200	7.5	7.5	25.0	20.0	5.3	66
AUG 08...	0700	304	266	265	7.6	7.9	26.0	25.0	6.3	79
SEP 05...	0700	239	305	305	7.5	7.5	23.0	20.0	6.1	73

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 12...	16	13	1.1	4900	74	62	24
NOV 27...	5.0	10	<1.0	220	90	69	3
DEC 14...	13	10	1.4	790	70	51	6
JAN 04...	40	19	2.0	--	50	33	56
FEB 08...	8.0	<5	<1.0	130	--	44	6
MAR 07...	84	30	2.9	<4	--	29	67
APR 04...	11	10	1.3	460	--	43	25
MAY 09...	33	27	1.5	1400	--	40	45
JUN 06...	18	12	1.1	3300	--	58	22
27...	18	15	<1.0	4600	--	60	31
AUG 08...	21	16	2.6	4900	--	68	33
SEP 05...	24	20	<1.0	4900	--	72	37

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	0.560	0.060	0.34	0.40	0.96	0.380	4.0
NOV 27...	0.850	<0.030	0.20	0.20	1.0	0.390	3.0
DEC 14...	0.610	0.040	0.26	0.30	0.91	0.270	3.0
JAN 04...	0.380	0.040	0.56	0.60	0.98	0.220	8.0
FEB 08...	0.530	<0.030	0.20	0.20	0.73	0.040	<1.0
MAR 07...	0.350	0.060	0.84	0.90	1.2	0.210	7.0
APR 04...	0.440	<0.030	0.30	0.30	0.74	0.150	2.0
MAY 09...	0.470	0.060	0.54	0.60	1.1	0.230	5.0
JUN 06...	0.640	0.040	0.36	0.40	1.0	0.340	3.0
27...	0.760	0.040	0.36	0.40	1.2	0.420	3.0
AUG 08...	0.880	<0.030	0.50	0.50	1.4	0.560	5.0
SEP 05...	0.900	<0.030	0.50	0.50	1.4	0.650	5.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	326	310	235	209	211	200	222	190	117	114	190	184
2	343	326	255	208	210	202	190	171	120	94	192	180
3	351	247	208	130	210	200	171	114	94	71	186	178
4	267	151	130	110	226	207	118	105	81	71	194	179
5	151	92	128	110	231	216	130	118	97	81	196	183
6	92	75	149	128	228	220	155	129	104	97	193	104
7	75	67	167	128	246	227	148	104	117	104	104	80
8	116	71	128	92	241	213	104	94	154	117	80	61
9	143	116	113	88	239	133	118	102	158	129	61	56
10	165	143	126	113	138	130	131	118	129	120	86	58
11	184	163	148	125	141	131	144	131	123	118	120	86
12	194	181	128	111	156	141	157	140	129	121	129	117
13	214	188	117	104	165	151	141	135	133	129	142	129
14	224	210	136	117	186	163	143	137	141	131	146	140
15	236	218	150	135	199	186	148	142	147	140	157	145
16	230	223	160	150	208	198	153	147	158	146	157	144
17	259	223	171	156	211	195	151	144	159	150	165	154
18	263	236	178	169	197	191	151	144	166	159	162	157
19	264	249	185	175	223	139	170	131	168	161	170	130
20	288	257	194	185	139	113	131	92	179	164	136	127
21	288	260	199	193	126	122	114	104	175	152	138	133
22	280	258	209	198	139	126	127	114	155	146	146	133
23	264	255	212	200	151	139	141	127	156	150	144	136
24	293	258	219	206	164	150	160	141	163	155	151	144
25	297	286	222	213	169	162	142	131	169	162	164	149
26	297	285	222	212	182	166	137	84	173	167	167	154
27	307	251	225	217	184	177	84	57	184	173	161	155
28	278	201	238	221	185	179	58	46	189	178	169	120
29	201	192	249	225	204	185	54	45	189	182	120	92
30	198	182	225	201	213	193	82	54	---	---	112	92
31	221	193	---	---	218	209	117	82	---	---	126	110
MONTH	351	67	255	88	246	113	222	45	189	71	196	56

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.6	7.5	7.5	7.5	7.7	7.7	7.6	7.5	7.3	7.3	7.8	7.8
2	7.7	7.6	7.5	7.4	7.7	7.6	7.6	7.4	7.4	7.3	7.9	7.8
3	7.8	7.6	7.4	7.3	7.7	7.7	7.5	7.4	7.3	7.2	8.0	7.8
4	7.7	7.2	7.3	7.2	7.8	7.7	7.5	7.5	7.3	7.3	8.1	7.9
5	7.3	6.9	7.4	7.3	7.7	7.7	7.5	7.5	7.4	7.2	8.1	7.8
6	7.0	6.8	7.5	7.4	7.8	7.7	7.6	7.5	7.5	7.4	7.8	7.3
7	6.8	6.7	7.5	7.3	7.8	7.7	7.5	7.4	7.5	7.5	7.3	7.2
8	6.9	6.8	7.3	7.2	7.9	7.8	7.4	7.4	7.6	7.5	7.2	7.1
9	7.4	6.9	7.2	7.1	7.8	7.6	7.4	7.4	7.6	7.5	7.1	7.1
10	7.5	7.4	7.4	7.1	7.6	7.5	7.5	7.4	7.6	7.5	7.3	7.1
11	7.5	7.5	7.4	7.3	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3
12	7.5	7.3	7.3	7.3	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.4
13	7.5	7.5	7.3	7.2	7.7	7.5	7.5	7.5	7.7	7.6	7.5	7.5
14	7.5	7.5	7.5	7.3	7.7	7.6	7.5	7.5	7.6	7.6	7.5	7.5
15	7.6	7.5	7.5	7.5	7.6	7.6	7.6	7.5	7.6	7.6	7.5	7.5
16	7.6	7.5	7.6	7.5	7.7	7.6	7.6	7.5	7.7	7.6	7.6	7.5
17	7.6	7.5	7.6	7.5	7.7	7.6	7.6	7.5	7.7	7.6	7.5	7.5
18	7.6	7.5	7.5	7.5	7.8	7.7	7.5	7.5	7.6	7.6	7.6	7.5
19	7.5	7.5	7.5	7.5	7.7	7.5	7.6	7.5	7.6	7.6	7.6	7.5
20	7.5	7.5	7.7	7.5	7.5	7.3	7.5	7.4	7.6	7.5	7.5	7.5
21	7.6	7.5	7.7	7.7	7.5	7.3	7.4	7.3	7.5	7.5	7.5	7.5
22	7.7	7.6	7.7	7.7	7.6	7.5	7.4	7.4	7.5	7.5	7.5	7.5
23	7.7	7.6	7.7	7.7	7.6	7.6	7.5	7.4	7.5	7.5	7.5	7.5
24	7.7	7.6	7.8	7.7	7.6	7.6	7.7	7.5	7.6	7.5	7.5	7.5
25	7.7	7.6	7.8	7.8	7.7	7.6	7.7	7.6	7.7	7.6	7.5	7.5
26	7.8	7.6	7.8	7.8	7.7	7.6	7.6	7.3	7.7	7.6	7.6	7.5
27	7.9	7.4	7.8	7.8	7.7	7.7	7.3	6.9	7.7	7.6	7.6	7.6
28	7.5	7.4	7.8	7.7	7.7	7.6	6.9	6.8	7.7	7.6	7.6	7.4
29	7.5	7.4	7.8	7.7	7.7	7.6	6.8	6.8	7.8	7.7	7.4	7.2
30	7.5	7.5	7.9	7.7	7.7	7.6	7.0	6.8	---	---	7.2	7.2
31	7.5	7.5	---	---	7.6	7.6	7.3	7.0	---	---	7.3	7.2
MONTH	7.9	6.7	7.9	7.1	7.9	7.3	7.7	6.8	7.8	7.2	8.1	7.1

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	20.0	14.5	13.0	9.0	8.0	6.0	4.5	7.5	6.5	11.5	9.5
2	22.5	20.5	16.0	14.5	9.0	8.0	8.0	6.0	6.5	3.5	9.5	8.0
3	22.0	21.0	16.0	16.0	9.5	8.0	8.5	8.0	3.5	.5	9.5	8.0
4	21.0	20.5	16.0	13.0	10.5	9.0	8.5	6.5	1.0	.0	9.5	8.0
5	21.0	20.5	13.0	10.5	10.5	9.5	6.5	6.0	1.0	.5	9.5	9.0
6	21.0	21.0	10.5	9.5	10.5	10.0	7.0	6.0	1.0	.5	12.5	9.5
7	21.0	20.0	11.5	10.0	10.5	9.0	7.0	5.0	3.0	1.0	13.0	11.5
8	20.0	18.5	12.0	11.5	9.0	7.5	5.0	3.0	4.5	3.0	11.5	8.0
9	19.0	18.0	11.5	10.0	8.0	6.5	3.0	2.5	6.0	4.5	8.0	6.0
10	19.0	17.5	10.5	9.5	6.5	5.5	4.0	3.0	7.0	6.0	6.0	5.0
11	19.5	18.0	12.0	10.5	5.5	4.0	4.5	4.0	8.0	7.0	7.0	5.5
12	20.0	18.0	12.0	10.0	4.0	3.5	4.5	4.0	8.5	8.0	8.0	7.0
13	20.0	19.5	10.0	9.0	5.0	3.5	5.0	4.0	8.0	7.0	9.5	7.5
14	20.0	19.0	9.0	8.5	7.0	5.0	5.5	4.5	7.0	6.5	10.5	9.0
15	19.0	17.5	8.5	8.0	9.5	7.0	6.5	5.5	8.0	7.0	12.0	10.5
16	17.5	16.0	8.0	7.5	11.0	9.5	7.5	6.5	7.5	6.5	13.5	12.0
17	17.0	15.0	7.5	7.0	11.0	10.5	8.5	7.5	6.5	5.5	14.0	13.0
18	16.5	14.5	8.5	7.0	10.5	10.5	10.5	8.5	6.0	5.0	14.0	13.5
19	17.0	15.0	9.5	8.0	10.5	10.0	10.5	8.5	7.0	5.5	14.0	11.5
20	17.0	16.0	9.5	9.0	10.5	9.0	8.5	5.0	8.5	7.0	11.5	8.5
21	16.0	14.5	10.0	9.0	9.0	7.0	5.0	4.5	9.5	8.5	8.5	7.0
22	15.0	13.0	9.0	8.0	7.0	5.5	5.0	4.5	10.5	9.5	8.0	6.5
23	15.0	13.0	8.5	7.5	5.5	4.5	6.5	5.0	11.5	10.5	9.5	7.5
24	15.0	14.5	9.0	8.5	4.5	3.5	9.0	6.5	13.0	11.5	11.0	9.0
25	15.0	14.0	9.0	8.0	4.0	3.5	8.5	7.5	13.0	11.5	12.5	10.5
26	15.0	13.5	8.5	7.5	4.0	3.0	7.5	6.0	13.0	12.0	12.5	12.0
27	15.0	14.5	9.0	8.0	3.5	3.0	6.5	6.0	13.5	12.5	12.0	11.0
28	15.0	14.5	10.0	9.0	3.5	3.0	6.5	6.0	14.0	13.5	11.0	10.0
29	14.5	13.5	10.0	9.5	3.5	2.5	6.5	6.0	13.5	11.5	10.5	10.0
30	13.5	13.0	9.5	8.5	3.5	2.0	6.5	6.0	---	---	11.5	10.5
31	13.0	13.0	---	---	4.5	3.0	7.5	6.5	---	---	12.0	11.5
MONTH	22.5	13.0	16.0	7.0	11.0	2.0	10.5	2.5	14.0	.0	14.0	5.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.4	9.2	8.8	10.4	10.2	12.0	11.2	11.2	10.5	9.6	9.1
2	6.8	6.4	8.8	7.8	10.7	10.3	11.2	10.7	11.8	11.2	10.2	9.5
3	6.8	6.3	7.9	7.6	10.9	10.5	10.8	10.1	12.3	11.8	10.5	9.9
4	6.8	6.1	8.6	7.6	10.7	10.4	10.9	10.6	12.4	12.2	10.7	10.1
5	6.3	5.4	9.9	8.6	10.5	10.1	11.3	10.9	12.3	12.1	10.5	9.9
6	5.4	4.8	10.4	9.9	10.5	9.9	11.1	10.7	12.5	12.1	9.9	8.6
7	5.0	4.7	10.3	9.2	10.7	10.1	10.9	10.7	12.4	12.2	8.6	8.0
8	5.0	4.5	9.2	8.8	11.1	10.4	11.7	10.9	12.2	11.6	8.6	8.0
9	7.3	4.7	9.3	9.0	11.3	11.0	12.0	11.7	11.6	11.0	9.2	8.6
10	7.4	7.3	10.1	9.2	11.7	11.3	12.3	12.0	11.0	10.7	9.7	9.2
11	7.5	7.4	10.1	9.2	12.0	11.7	12.1	11.8	10.7	10.3	10.0	9.4
12	7.5	7.4	9.6	9.1	12.3	12.0	11.8	11.5	10.3	10.1	10.8	9.7
13	7.4	7.2	10.2	9.6	12.3	12.1	11.5	11.4	10.6	10.2	10.7	10.4
14	7.3	7.2	10.4	10.2	12.0	11.8	11.5	11.2	10.6	10.2	10.4	10.1
15	7.6	7.3	10.5	10.3	11.9	11.8	11.3	11.2	10.6	10.3	10.1	9.6
16	8.0	7.6	10.7	10.5	11.8	11.3	11.2	10.6	10.4	10.2	9.6	9.1
17	8.2	8.0	10.9	10.7	11.3	11.0	10.7	10.5	10.7	10.4	9.1	8.9
18	8.3	8.0	10.9	10.7	11.2	11.0	10.6	10.1	10.8	10.6	9.1	9.0
19	8.3	8.1	10.7	10.4	11.1	10.6	10.1	9.8	10.8	10.6	9.1	8.3
20	8.1	7.9	10.4	10.3	10.6	10.4	11.1	10.0	10.6	9.9	9.6	8.8
21	8.5	7.9	10.4	10.2	11.5	10.6	11.8	11.1	10.1	9.9	9.9	9.6
22	9.0	8.4	10.5	10.2	12.0	11.4	12.0	11.7	10.1	9.7	10.3	9.8
23	9.4	8.7	10.6	10.5	12.2	12.0	11.8	11.6	9.8	9.5	10.4	10.1
24	9.4	8.8	10.6	10.5	12.5	12.2	11.6	10.5	9.6	9.4	10.4	10.0
25	9.3	8.8	10.8	10.5	12.6	12.3	10.6	10.4	9.7	9.3	10.2	9.7
26	9.7	9.0	10.9	10.6	12.6	12.4	11.4	10.6	9.7	9.4	9.7	9.4
27	10.2	8.0	10.7	10.5	12.6	12.4	11.3	10.4	9.5	9.3	10.7	9.6
28	8.1	7.7	10.5	10.1	12.7	12.4	10.4	10.2	9.4	9.0	10.5	9.7
29	8.7	8.1	10.2	9.9	12.6	12.3	10.5	10.1	9.1	8.9	9.8	9.6
30	9.2	8.7	10.3	9.9	12.8	12.5	10.5	10.1	---	---	9.7	9.1
31	9.2	8.9	---	---	12.5	12.0	10.5	10.1	---	---	9.5	9.2
MONTH	10.2	4.5	10.9	7.6	12.8	9.9	12.3	9.8	12.5	8.9	10.8	8.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

MOBILE RIVER BASIN

02387050 CONASAUGA RIVER NEAR RESACA, GA.

LOCATION.--Lat 34°35'36", long 84°56'02", Gordon County, Hydrologic Unit 03150101, at bridge on State Highway 136, 1.1 mi northeast of Resaca, and 5.1 mi upstream from the confluence with Coosawatee River.

DRAINAGE AREA.--706 mi².

PERIOD OF RECORD.--August 1974 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0830	1600	129	121	7.8	7.5	5.0	-1.0	13.0	104
FEB 08...	0820	E1900	120	116	7.5	7.4	3.0	4.0	13.4	102
MAR 07...	0810	6700	94	88	7.1	7.0	13.0	10.0	8.8	86
APR 04...	0750	1940	129	121	7.5	7.2	13.0	13.0	9.2	90
MAY 09...	0745	2060	127	119	7.1	6.9	19.0	15.0	8.2	90
JUN 06...	0745	470	212	198	7.5	7.2	20.5	16.0	7.3	83
27...	0750	480	217	198	7.5	7.3	26.0	20.0	6.1	77
AUG 08...	0745	290	252	251	7.6	7.9	26.0	25.0	6.0	75
SEP 05...	0730	235	295	291	7.5	7.5	23.0	20.0	6.3	76

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	11	<1.0	490	50	46	0.520	<0.030	0.140	2.0
FEB 08...	8.0	<1.0	80	54	45	0.530	<0.030	0.040	2.0
MAR 07...	88	2.7	<3	--	31	0.360	0.070	0.220	7.0
APR 04...	13	<1.0	310	--	44	0.440	<0.030	0.160	2.0
MAY 09...	34	1.6	1100	--	40	0.450	0.060	0.220	5.0
JUN 06...	18	1.2	1400	--	58	0.740	<0.030	0.450	3.0
27...	15	<1.0	790	--	60	0.760	0.040	0.430	3.0
AUG 08...	20	<1.0	1100	--	76	0.780	<0.030	0.480	4.0
SEP 05...	24	<1.0	110	--	72	1.16	<0.030	0.590	5.0

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, Hydrologic Unit 03150103, on downstream side of center pier of bridge on U.S. Highway 41 at Resaca, 200 ft downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 mi upstream from Camp Creek, and 3.5 mi downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.--1,600 mi².

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for October, 1892, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22. 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946- 47(M). WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft above sea level (levels by Corps of Engineers). Since June 1, 1979, auxiliary water-stage recorder at Calhoun waterworks intake 6.5 mi downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Highway 136 connector 7.1 mi downstream.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair. Flow regulated by Carters Lake and re-regulation dam (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--103 years, 2,829 ft³/s, 24.01 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft³/s.

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	492	1040	2600	2040	11400	2870	7560	3760	2110	1100	1950	1800
2	455	1490	2320	3580	e10000	2770	7560	3560	1870	1120	1860	1650
3	466	3570	2220	5320	e11400	2660	6590	3190	1740	1100	1650	1320
4	4080	4610	2040	5150	e13000	2520	5910	2990	1700	1110	1170	1160
5	11600	3830	1960	3540	e10000	2430	5580	2840	1670	933	907	1160
6	13600	2420	1970	3210	e8600	8920	5280	2720	1630	878	843	1220
7	13100	5950	1940	6480	e7500	15900	4230	5500	1610	853	845	1310
8	12300	10700	1690	7170	e6900	19500	3240	6620	1640	779	814	1450
9	7770	9600	2400	6380	7780	20900	3060	4270	5720	803	819	1310
10	3410	6540	4070	4610	8470	20000	2910	3190	8240	816	870	1100
11	2940	6690	2980	4080	7580	16500	2850	2990	9640	805	965	867
12	2850	9260	2170	5070	6590	9660	2800	2780	10600	788	1110	832
13	3010	7750	1860	5860	5960	7290	2970	2500	5850	1030	1580	811
14	3040	5340	1720	4790	5290	6500	2920	2260	3140	1290	2160	791
15	2950	5090	1600	3990	4750	5810	2800	2180	2680	781	2210	761
16	2740	4810	1520	3660	4340	5600	2780	2310	2390	865	2090	819
17	2400	4610	1470	3270	4150	5840	2770	2370	2220	833	1540	2420
18	1940	4440	1450	3130	3860	4650	2690	2380	2360	803	994	2590
19	1630	3440	4100	5110	3510	6210	2840	2350	2280	776	719	1580
20	1230	2670	5800	6870	4100	7250	4790	2270	2230	895	669	1110
21	1020	2470	4580	5890	4770	5580	10700	2180	2110	1040	696	991
22	1020	2420	3650	3920	4510	4590	11900	2140	2110	1080	749	1250
23	975	2260	3370	3360	4220	4160	10100	2130	2020	998	743	1250
24	904	2150	2940	3840	3840	3850	6110	2570	2120	975	730	1090
25	843	2140	2500	5350	3400	3690	4850	2760	2250	1120	789	923
26	825	2060	2340	6950	3120	3880	4770	3260	2180	1980	805	872
27	906	1950	2260	16400	2630	3720	5060	2840	2070	1580	745	1110
28	1930	1900	2220	21300	2620	6110	4210	3570	1980	1010	1500	1730
29	2050	2070	2160	23300	2950	8250	3260	4060	1740	845	2110	2980
30	1460	2700	2120	19900	---	8360	3270	3180	1230	838	1920	2480
31	1120	---	1860	16200	---	7290	---	2440	---	964	1880	---
TOTAL	105056	125970	77880	219720	177240	233260	146360	94160	91130	30788	38432	40737
MEAN	3389	4199	2512	7088	6112	7525	4879	3037	3038	993	1240	1358
MAX	13600	10700	5800	23300	13000	20900	11900	6620	10600	1980	2210	2980
MIN	455	1040	1450	2040	2620	2430	2690	2130	1230	776	669	761

e Estimated

MOBILE RIVER BASIN

02387500 OOSTANULA RIVER AT RESACA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1523	2204	3112	4567	4983	5898	4492	2734	2001	1614	1224	1241
MAX	5843	5560	8388	8517	15450	13530	10630	6948	6110	5327	2735	2732
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	396	462	629	830	1539	1314	1060	751	397	452	511	449
(WY)	1979	1988	1988	1981	1988	1988	1986	1988	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	1018273		1380733			
ANNUAL MEAN	2790		3772		2956	
HIGHEST ANNUAL MEAN	†2777		†3779		5056	
LOWEST ANNUAL MEAN					978	
HIGHEST DAILY MEAN	20800		23300		44400	
LOWEST DAILY MEAN	432		455		330	
ANNUAL SEVEN-DAY MINIMUM	516		728		352	
INSTANTANEOUS PEAK FLOW			24100		45500	
INSTANTANEOUS PEAK STAGE			26.72		32.59	
ANNUAL RUNOFF (CFSM)	1.74		2.35		1.85	
ANNUAL RUNOFF (INCHES)	23.65		32.06		25.07	
10 PERCENT EXCEEDS	6170		7760		6590	
50 PERCENT EXCEEDS	1860		2610		1830	
90 PERCENT EXCEEDS	624		866		610	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1893 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1052	1533	2900	4190	5129	5260	4218	2851	1987	1891	1487	1099
MAX	5149	9206	13060	12390	10740	13070	10310	8421	6379	7892	6890	4319
(WY)	1907	1930	1933	1947	1946	1917	1936	1929	1909	1916	1920	1898
MIN	260	331	625	958	1027	1268	1487	707	634	562	292	257
(WY)	1905	1905	1918	1956	1941	1918	1941	1941	1925	1925	1925	1925

SUMMARY STATISTICS	WATER YEARS 1893 - 1974	
ANNUAL MEAN	2795	
HIGHEST ANNUAL MEAN	4471	
LOWEST ANNUAL MEAN	1246	
HIGHEST DAILY MEAN	50000	
LOWEST DAILY MEAN	180	
ANNUAL SEVEN-DAY MINIMUM	203	
INSTANTANEOUS PEAK FLOW	54800	
INSTANTANEOUS PEAK STAGE	34.60	
INSTANTANEOUS LOW FLOW	a180	
ANNUAL RUNOFF (CFSM)	1.74	
ANNUAL RUNOFF (INCHES)	23.71	
10 PERCENT EXCEEDS	5850	
50 PERCENT EXCEEDS	1700	
90 PERCENT EXCEEDS	610	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Observed, gage height, 0.5 ft

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

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	2.12	3.21	6.00	5.07	18.54	6.46	12.50	7.79	5.18	3.33	4.90	4.64
2	2.03	4.04	5.55	7.47	—	6.28	12.50	7.51	4.77	3.37	4.75	4.38
3	2.05	7.49	5.37	9.78	—	6.10	11.35	6.98	4.54	3.34	4.37	3.75
4	8.05	8.90	5.08	9.57	—	5.87	10.51	6.66	4.47	3.35	3.47	3.44
5	17.32	7.86	4.93	7.45	—	5.72	10.10	6.40	4.41	2.98	2.93	3.45
6	19.45	5.71	4.94	6.96	—	13.60	9.74	6.20	4.34	2.86	2.78	3.57
7	18.61	10.28	4.90	11.20	—	21.62	8.40	10.00	4.29	2.81	2.79	3.74
8	17.36	15.69	4.44	12.04	—	24.57	7.05	11.39	4.36	2.64	2.72	3.99
9	12.53	14.64	5.63	11.09	12.74	25.89	6.77	8.44	10.11	2.69	2.73	3.74
10	7.30	11.26	8.20	8.90	13.49	25.55	6.52	6.98	13.25	2.72	2.85	3.33
11	6.57	11.40	6.61	8.21	12.51	23.07	6.43	6.66	14.67	2.70	3.05	2.84
12	6.42	14.30	5.28	9.48	11.35	16.55	6.34	6.31	15.59	2.66	3.35	2.76
13	6.69	12.68	4.75	10.45	10.58	12.20	6.62	5.84	10.33	3.16	4.24	2.71
14	6.73	9.81	4.51	9.13	9.75	11.24	6.55	5.44	6.90	3.68	5.27	2.67
15	6.59	9.51	4.29	8.10	9.09	10.39	6.34	5.31	6.13	2.64	5.35	2.60
16	6.24	9.15	4.14	7.64	8.56	10.13	6.31	5.53	5.66	2.83	5.16	2.72
17	5.67	8.90	4.04	7.10	8.30	10.43	6.30	5.62	5.37	2.76	4.17	5.68
18	4.89	8.68	4.00	6.89	7.91	8.95	6.16	5.64	5.61	2.69	3.10	5.98
19	4.33	7.33	8.12	9.50	7.44	10.87	6.40	5.60	5.47	2.63	2.50	4.23
20	3.57	6.12	10.38	11.69	8.23	12.13	9.04	5.46	5.39	2.90	2.38	3.35
21	3.17	5.79	8.84	10.33	9.11	10.10	15.73	5.31	5.20	3.22	2.44	3.11
22	3.16	5.70	7.63	7.98	8.78	8.88	16.92	5.24	5.19	3.29	2.57	3.63
23	3.07	5.44	7.24	7.23	8.40	8.31	15.11	5.22	5.03	3.12	2.55	3.63
24	2.92	5.26	6.57	7.83	7.89	7.91	10.76	5.95	5.21	3.07	2.52	3.31
25	2.78	5.23	5.84	9.47	7.28	7.69	9.21	6.27	5.43	3.37	2.66	2.96
26	2.74	5.10	5.58	11.40	6.87	7.95	9.10	7.06	5.31	4.96	2.70	2.85
27	2.92	4.91	5.45	22.35	6.05	7.73	9.47	6.40	5.12	4.23	2.56	3.35
28	4.88	4.83	5.37	25.54	6.04	10.73	8.38	7.51	4.96	3.14	4.06	4.48
29	5.09	5.13	5.28	26.60	6.59	13.27	7.07	8.19	4.53	2.79	5.20	6.63
30	4.02	6.18	5.21	25.45	—	13.38	7.09	6.93	3.59	2.77	4.87	5.81
31	3.37	—	4.76	23.03	—	12.17	—	5.74	—	3.03	4.80	—
MEAN	6.54	8.02	5.77	11.45	—	12.12	9.03	6.63	6.35	3.09	3.54	3.78
MAX	19.45	15.69	10.38	26.60	—	25.89	16.92	11.39	15.59	4.96	5.35	6.63
MIN	2.03	3.21	4.00	5.07	—	5.72	6.16	5.22	3.59	2.63	2.38	2.60
CAL YR 1995	MEAN 5.84		MAX 25.16		MIN 1.91							

MOBILE RIVER BASIN

02387502 OOSTANAULA RIVER BELOW RESACA, GA.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, Hydrologic Unit 03150103, at bridge on Interstate Highway 75, 0.4 mi west of Resaca, and 0.4 mi upstream from Camp Creek.

DRAINAGE AREA.--1,600 mi².

PERIOD OF RECORD.--August 1974 to February 1994, January 1996 to September 1996.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Discharge obtained from gaging station 02387500 Oostanula River at Resaca, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 23...	0850	3380	103	97	7.6	7.5	5.0	1.0	12.1	97
FEB 08...	0840	6800	70	69	7.2	7.1	5.0	4.0	12.0	96
MAR 07...	0830	15400	71	67	7.1	6.9	12.0	10.0	9.4	90
APR 04...	0815	5950	76	73	7.5	7.0	12.0	13.0	10.1	96
MAY 09...	0800	4530	98	94	7.1	6.8	18.0	15.0	8.3	89
JUN 06...	0800	1650	107	100	7.4	7.0	19.0	16.0	7.7	85
27...	0730	2110	91	86	7.4	7.0	22.0	20.0	6.8	79
AUG 08...	0805	815	147	148	7.6	7.7	25.0	25.0	5.7	70
SEP 05...	0800	1170	93	93	7.4	7.2	22.0	20.0	6.7	79

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 23...	12	<1.0	<280	40	33	0.460	<0.030	0.090	2.0
FEB 08...	10	<1.0	50	32	25	0.390	<0.030	0.040	2.0
MAR 07...	130	3.1	<7	--	23	0.410	0.120	0.300	6.0
APR 04...	8.0	<1.0	<90	--	26	0.340	<0.030	0.070	2.0
MAY 09...	25	1.3	330	--	30	0.380	0.040	0.160	4.0
JUN 06...	12	<1.0	220	--	32	0.410	<0.030	0.120	2.0
27...	10	<1.0	270	--	25	0.360	<0.030	0.120	2.0
AUG 08...	13	<1.0	330	--	46	0.540	<0.030	0.220	2.0
SEP 05...	10	<1.0	110	--	28	0.330	<0.030	0.100	2.0

MOBILE RIVER BASIN

02387650 OOSTANAULA RIVER NEAR CALHOUN, GA.

LOCATION.--Lat 34°29'31", long 85°00'49", Gordon County, Hydrologic Unit 03150103, at bridge on State Highway 156, 1.1 mi downstream from Blue Spring Branch and 3.7 mi west of Calhoun.

DRAINAGE AREA.--1,734 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	0835	27000	65	62	6.9	7.7	7.0	1.0	12.4	105
FEB 13...	0600	6600	84	80	7.2	7.2	5.0	-5.0	12.6	100
MAR 12...	0530	22500	80	78	7.0	6.9	6.0	-4.0	12.2	100
APR 09...	0500	3100	121	116	7.5	7.2	10.0	3.0	9.8	89
MAY 14...	0500	2450	128	111	7.3	7.4	16.0	9.0	9.1	94
JUN 11...	0500	9400	70	68	6.8	7.2	20.0	17.0	8.3	94
JUL 01...	0500	1100	139	132	7.5	7.1	24.0	22.0	7.0	85
AUG 13...	0500	1000	145	144	7.7	7.5	23.0	20.0	7.3	87
SEP 10...	0500	1070	125	125	7.3	7.2	24.0	22.0	7.0	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	39	1.9	790	33	19	0.330	0.040	0.130	5.0
FEB 13...	12	<1.0	40	28	27	0.410	<0.030	0.090	2.0
MAR 12...	24	1.4	790	26	18	0.390	0.070	0.120	4.0
APR 09...	8.0	1.3	<95	42	15	0.480	<0.030	0.120	2.0
MAY 14...	13	<1.0	170	45	21	0.480	<0.030	0.210	2.0
JUN 11...	93	2.0	2300	24	101	0.310	0.040	0.240	7.0
JUL 01...	12	<1.0	110	43	21	0.460	<0.030	0.220	2.0
AUG 13...	24	<1.0	510	50	41	0.450	<0.030	0.360	2.0
SEP 10...	36	1.1	1700	37	49	0.380	0.140	0.280	3.0

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.

LOCATION.--Lat 34°21'18", long 85°15'50", Floyd County, Hydrologic Unit 03150103, on right bank 0.6 mi downstream from bridge on Antioch Road, 3.4 mi upstream from Little Armuchee Creek, 5.2 mi west of Armuchee, and 9.7 mi northwest of Rome.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 637.00 ft above sea level (levels by Georgia Power Company).

REMARKS.--Records fair, except those less than 2 ft³/s and greater than 200 ft³/s, which are poor. Peak flow regulated by power company dam since November 1991.

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	1.9	12	1.9	6.0	315	25	187	8.7	2.9	3.0	7.0	6.9
2	2.0	18	2.0	68	287	25	143	8.2	2.9	2.9	4.1	10
3	3.2	11	2.3	135	322	25	53	7.8	3.0	2.8	3.3	17
4	29	6.6	2.5	95	307	25	31	7.7	2.9	2.8	3.1	17
5	420	9.3	2.8	50	99	25	30	7.2	2.9	2.7	3.1	18
6	245	18	3.4	53	14	319	30	6.1	2.9	2.7	3.4	20
7	71	61	13	62	20	488	31	4.1	2.9	2.8	3.0	3.1
8	39	254	21	80	26	397	31	3.7	3.1	2.9	2.8	2.9
9	28	243	20	105	26	405	31	3.3	23	3.0	2.8	3.1
10	24	125	19	83	37	292	30	3.4	20	3.1	2.7	6.1
11	24	141	8.2	56	49	63	25	3.5	14	2.8	14	12
12	13	255	1.4	110	54	29	25	3.2	8.4	2.7	114	19
13	3.2	175	2.2	104	41	29	25	3.1	4.1	2.6	53	18
14	3.0	46	2.7	68	25	28	24	3.1	3.5	2.7	7.8	17
15	2.8	29	2.5	65	24	28	24	3.2	3.1	3.1	3.9	14
16	2.8	31	2.8	62	24	29	24	3.3	3.1	3.0	3.4	6.6
17	2.6	28	12	53	24	231	24	3.2	2.9	3.5	3.2	6.3
18	2.6	27	34	38	24	126	23	3.2	3.3	2.8	2.9	5.1
19	2.5	27	265	45	24	88	23	3.1	2.9	2.7	2.3	4.3
20	2.6	26	65	42	27	74	49	3.1	2.8	4.5	2.1	3.9
21	3.0	27	87	40	26	71	142	3.1	2.8	3.6	4.8	5.0
22	3.2	20	39	41	26	71	160	3.1	2.7	3.1	6.4	6.7
23	3.0	3.8	27	40	26	53	106	3.0	2.7	3.3	2.8	10
24	3.4	4.0	18	43	25	33	70	3.0	2.7	3.1	3.1	9.8
25	4.1	3.4	5.3	42	25	32	36	3.1	3.4	5.5	3.1	10
26	4.7	2.6	5.0	286	25	31	22	3.0	3.0	3.9	2.9	11
27	6.9	2.4	5.0	466	25	32	21	3.0	3.0	3.2	3.5	11
28	8.3	2.9	5.0	381	25	44	20	4.1	2.9	2.8	3.3	33
29	9.4	2.6	5.4	378	25	59	21	3.1	3.0	2.8	3.1	34
30	9.6	2.3	5.9	374	---	114	19	3.0	3.0	3.5	4.5	21
31	10	---	6.0	390	---	207	---	3.0	---	3.7	7.0	---
TOTAL	987.8	1613.9	692.3	3861.0	1997	3498	1480	126.7	143.8	97.6	286.4	361.8
MEAN	31.9	53.8	22.3	125	68.9	113	49.3	4.09	4.79	3.15	9.24	12.1
MAX	420	255	265	466	322	488	187	8.7	23	5.5	114	34
MIN	1.9	2.3	1.4	6.0	14	25	19	3.0	2.7	2.6	2.1	2.9
CFSM	1.92	3.24	1.35	7.50	4.15	6.80	2.97	.25	.29	.19	.56	.73
IN.	2.21	3.62	1.55	8.65	4.48	7.84	3.32	.28	.32	.22	.64	.81

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.36	23.9	36.1	49.2	52.2	54.9	34.5	19.4	11.3	9.57	7.32	5.89
MAX	37.7	60.9	115	125	157	132	87.5	74.5	73.3	55.9	39.1	23.7
(WY)	1990	1990	1984	1996	1990	1990	1982	1984	1989	1989	1984	1989
MIN	.93	.73	1.31	6.76	9.99	14.0	2.72	1.78	1.39	1.52	1.26	1.24
(WY)	1994	1994	1994	1994	1994	1994	1995	1995	1988	1988	1988	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1982 - 1996	
ANNUAL TOTAL	8135.1		15146.3			
ANNUAL MEAN	22.3		41.4		25.7	
HIGHEST ANNUAL MEAN					47.2	
LOWEST ANNUAL MEAN					4.36	
HIGHEST DAILY MEAN	420	Oct 5	488	Mar 7	762	Feb 16 1990
LOWEST DAILY MEAN	1.1	May 25,26	1.4	Dec 12	.19	Nov 4 1994
ANNUAL SEVEN-DAY MINIMUM	1.2	May 20	2.3	Nov 27	.27	Nov 3 1994
INSTANTANEOUS PEAK FLOW			879	Jan 26	944	Feb 16 1990
INSTANTANEOUS PEAK STAGE			8.02	Jan 26	8.32	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.34		2.49		1.55	
ANNUAL RUNOFF (INCHES)	18.23		33.94		21.07	
10 PERCENT EXCEEDS	47		105		61	
50 PERCENT EXCEEDS	2.8		10		7.3	
90 PERCENT EXCEEDS	1.9		2.8		1.9	

MOBILE RIVER BASIN

02388350 ARMUCHEE CREEK NEAR ROME, GA.

LOCATION.--Lat 34°21'39", long 85°08'25", Floyd County, Hydrologic Unit 03150103, at bridge on Old Dalton Road, 1.8 mi upstream from Oostanaula River and 6.5 mi north of Rome.

DRAINAGE AREA.--224 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	0915	--	120	113	7.2	7.9	8.0	1.0	12.6	109
FEB 13...	0640	E440	130	123	7.5	7.5	6.0	-5.0	12.9	105
MAR 12...	0630	E900	111	107	7.4	7.3	6.0	-4.0	12.9	105
APR 09...	0530	330	140	136	7.5	7.5	11.0	3.0	9.7	90
MAY 14...	0530	210	184	172	7.8	7.6	15.5	9.0	8.5	87
JUN 11...	0530	E200	130	127	7.5	7.5	19.0	17.0	7.7	85
JUL 01...	0530	52	226	218	7.9	7.6	24.0	22.0	7.1	86
AUG 13...	0530	300	165	166	7.6	7.6	22.0	20.0	7.5	88
SEP 10...	0530	255	217	216	7.8	7.6	22.0	22.0	7.4	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	12	1.1	<280	53	13	<0.020	0.060	0.780	2.0
FEB 13...	6.0	<1.0	<20	52	7	0.380	<0.030	<0.020	<1.0
MAR 12...	10	1.9	230	42	10	0.400	<0.030	<0.020	<1.0
APR 09...	4.0	<1.0	130	61	8	0.320	<0.030	<0.020	<1.0
MAY 14...	5.0	<1.0	110	83	6	0.430	<0.030	<0.020	2.0
JUN 11...	46	1.1	1300	57	36	0.280	0.040	0.070	4.0
JUL 01...	7.0	<1.0	<20	103	20	0.200	<0.030	<0.020	<1.0
AUG 13...	20	1.2	3300	68	34	0.220	<0.030	0.040	4.0
SEP 10...	7.0	<1.0	230	97	21	0.230	<0.030	0.030	2.0

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°18'02", long 85°08'30", Floyd County, Hydrologic Unit 03150103, on left bank 1.2 mi upstream from Dry Creek, 4.5 mi north of Rome, 4.5 mi upstream from confluence with Etowah River, and 6.5 mi downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi².

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 4.2 mi downstream since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.--Records good, except those for the period October 4 through April 24 and those for the period of estimated daily discharge, which are fair to good. Flow regulated by Carters Lake and Carters Re-regulation Dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--57 years, 3,638 ft³/s, 23.30 in/yr unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

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	680	911	2800	2050	21800	3390	11200	4200	2450	1330	1950	1930
2	659	1270	2590	3320	19800	3340	10600	4310	2250	1200	2270	1830
3	660	2760	2390	5880	18800	3400	9430	3890	2030	1200	2070	1740
4	4850	4320	2260	6120	17700	3170	7350	3550	1820	1190	1760	1450
5	14300	4540	2140	5350	15300	2850	6770	3560	1780	1180	1280	1210
6	22100	3170	2100	4140	12300	9420	7140	3320	1740	1040	1050	1270
7	20400	5900	2010	7290	9220	18500	6240	3860	1700	1020	1040	1290
8	16500	13400	1950	9000	8350	25800	4790	6530	1720	1040	999	1460
9	13000	14100	2270	8640	8590	26100	3970	6320	4050	970	980	1560
10	6150	10800	3770	6700	9650	23800	3930	4090	8520	997	992	1450
11	3450	8890	4160	5270	9470	22600	3550	3470	8990	992	1170	1330
12	2800	12200	2910	6150	8350	20700	3440	3460	10100	991	1930	1070
13	2780	11900	2250	e7200	7290	15300	3570	3150	9830	990	1990	992
14	2900	8880	1960	e7300	6490	9640	3670	2630	4840	1180	1990	939
15	2870	6290	1810	e5800	5790	7570	3570	2430	3350	1280	2350	894
16	2670	5640	1780	4690	5220	7180	3330	2380	2980	939	2320	945
17	2520	5190	1670	4310	5260	7270	3310	2550	2610	991	2150	1420
18	2070	4940	1560	3840	5120	6630	3250	2460	2390	978	1600	2850
19	1700	4780	4120	e5400	4560	7620	3290	2550	2580	968	1130	2340
20	1430	3250	6680	e8000	4500	9270	5370	2500	2480	945	938	1490
21	1240	2690	6460	7950	5670	8450	14000	2360	2470	1120	905	1190
22	807	2510	4770	5910	5590	6470	15200	2270	2260	1260	892	1280
23	730	2440	4160	4180	5200	5440	13700	2200	2300	1170	888	1390
24	759	2230	3810	4230	5020	4860	10900	2270	2210	1080	893	1330
25	712	2300	3050	5240	4710	4580	7070	2770	2220	1110	864	1140
26	667	2200	2570	7650	4090	4660	5920	3130	2290	1580	924	1010
27	693	2010	2430	20500	3440	4520	6130	3520	2100	2080	911	980
28	1180	1880	2330	29500	3110	6580	6070	3390	2080	2050	1040	1870
29	1820	1940	2260	28000	3230	10100	4870	4310	1990	1240	1680	3090
30	1620	2230	2340	25100	---	10100	3850	4190	1770	1040	2010	3270
31	1120	---	2230	23900	---	10700	---	3130	---	1060	1870	---
TOTAL	135837	155561	89590	278610	243620	310010	195480	104750	99900	36211	44836	46010
MEAN	4382	5185	2890	8987	8401	10000	6516	3379	3330	1168	1446	1534
MAX	22100	14100	6680	29500	21800	26100	15200	6530	10100	2080	2350	3270
MIN	659	911	1560	2050	3110	2850	3250	2200	1700	939	864	894

e Estimated

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1854	2706	3876	6001	6619	7895	5905	3362	2332	1929	1466	1467
MAX	7212	7437	11120	12030	21170	17900	14380	9076	7410	6904	3926	4071
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	498	549	762	868	2059	1814	1217	797	544	584	592	530
(WY)	1988	1988	1988	1981	1988	1988	1986	1986	1988	1988	1986	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1975 - 1996	
ANNUAL TOTAL	1245972		1740415			
ANNUAL MEAN	3414		4755		3771	
HIGHEST ANNUAL MEAN	†3401		†4762		6472	
LOWEST ANNUAL MEAN					1301	
HIGHEST DAILY MEAN	22100		29500		42300	
LOWEST DAILY MEAN	532		659		390	
ANNUAL SEVEN-DAY MINIMUM	607		793		428	
INSTANTANEOUS PEAK FLOW			29900		a42600	
INSTANTANEOUS PEAK STAGE			33.08		b36.47	
ANNUAL RUNOFF (CFSM)	1.61		2.25		1.78	
ANNUAL RUNOFF (INCHES)	21.91		†21.79		24.22	
10 PERCENT EXCEEDS	8000		10100		8830	
50 PERCENT EXCEEDS	2050		2900		2140	
90 PERCENT EXCEEDS	726		1010		708	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1148	1877	3678	5824	7201	7121	5758	3570	2086	1923	1462	1214
MAX	2848	7483	12610	16640	15340	17270	13620	9041	6932	5600	4561	6283
(WY)	1965	1958	1962	1947	1946	1964	1951	1973	1973	1967	1967	1950
MIN	531	584	788	1156	1446	2613	1720	853	1016	881	721	530
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1948	1960	1957	1954

SUMMARY STATISTICS WATER YEARS 1940 - 1974

ANNUAL MEAN	3554	
HIGHEST ANNUAL MEAN	5251	1946
LOWEST ANNUAL MEAN	1626	1941
HIGHEST DAILY MEAN	45700	Jan 23 1947
LOWEST DAILY MEAN	408	Oct 25 1954
ANNUAL SEVEN-DAY MINIMUM	444	Oct 20 1941
INSTANTANEOUS PEAK FLOW	47000	Jan 23 1947
INSTANTANEOUS PEAK STAGE	35.13	Jan 22 1937
ANNUAL RUNOFF (CFSM)	1.68	
ANNUAL RUNOFF (INCHES)	22.83	
10 PERCENT EXCEEDS	8040	
50 PERCENT EXCEEDS	1890	
90 PERCENT EXCEEDS	743	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Gage height, 35.70 ft.

b Backwater from Coosa River.

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.

LOCATION.--Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, at Southern Railway bridge at pumping station at City of Rome waterworks, 1.2 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanula River near Rome, Ga. Flow regulated by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT										
12...	1000	2920	109	102	7.2	7.3	20.0	17.0	7.4	83
NOV										
27...	1000	2100	128	120	7.5	7.4	11.0	15.0	10.8	100
DEC										
14...	0900	1900	148	142	7.6	7.5	7.0	12.0	10.8	90
JAN										
04...	0945	5650	140	139	7.6	7.3	8.0	0.0	10.4	89
FEB										
14...	0730	6650	89	84	7.4	7.1	7.0	6.0	10.7	91
MAR										
13...	0650	16900	80	79	7.1	6.9	7.0	2.0	10.6	89
APR										
10...	0630	4080	122	119	7.4	7.2	9.0	0.0	10.2	90
MAY										
15...	0630	2060	125	115	7.5	7.2	17.5	17.0	7.9	84
JUN										
12...	0630	9440	64	54	6.9	6.8	20.0	17.0	7.3	82
JUL										
02...	0630	858	136	133	7.6	7.3	25.0	22.0	5.7	71
AUG										
14...	0630	1620	156	154	7.8	7.5	23.0	19.0	6.8	81
SEP										
11...	0630	1050	137	137	7.6	7.3	23.0	21.0	6.9	82

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	17	1.0	4600	48	37	31	0.370	<0.030	0.150	3.0
NOV										
27...	7.0	<1.0	40	54	45	9	0.460	<0.030	0.120	2.0
DEC										
14...	12	<1.0	1300	60	50	11	0.520	<0.030	0.230	4.0
JAN										
04...	54	2.4	--	60	46	69	0.490	0.070	0.230	6.0
FEB										
14...	11	1.4	50	--	29	12	0.410	<0.030	0.090	2.0
MAR										
13...	25	1.3	460	--	25	25	0.390	<0.030	0.120	4.0
APR										
10...	11	<1.0	50	--	44	18	0.570	0.060	0.100	2.0
MAY										
15...	14	<1.0	170	--	42	22	0.480	<0.030	0.190	2.0
JUN										
12...	74	1.5	490	--	21	75	0.290	<0.030	0.230	6.0
JUL										
02...	9.0	1.1	50	--	45	16	0.370	<0.030	0.150	2.0
AUG										
14...	22	1.1	490	--	54	36	0.500	<0.030	0.310	2.0
SEP										
11...	18	1.4	1700	--	42	28	0.440	<0.030	0.240	2.0

MOBILE RIVER BASIN

02388530 OOSTANLA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

PERIOD OF RECORD.--October 1939 to current year. October 1971 to current year in reports of U.S. Geological Survey. Gage-height records since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft, Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2, Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 29.89 ft, Jan. 28.

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	3.08	4.96	7.66	5.09	25.47	9.16	16.23	8.67	6.55	3.96	5.13	4.48
2	3.06	5.48	7.10	6.99	25.88	8.64	13.89	9.17	5.00	4.48	5.80	4.41
3	4.61	7.00	5.36	9.40	26.43	6.32	12.72	8.99	4.78	4.47	5.12	4.39
4	11.46	8.34	5.33	9.80	23.94	6.13	13.21	8.43	5.69	4.43	4.34	5.44
5	22.57	7.72	5.96	8.97	22.40	7.10	14.34	6.41	5.65	3.68	3.84	5.73
6	25.24	7.07	5.96	7.93	21.18	16.13	10.21	6.14	5.59	3.49	4.53	5.29
7	22.33	11.10	5.94	10.37	18.85	26.75	8.89	7.69	5.56	3.45	3.83	5.29
8	18.47	19.86	6.38	12.36	17.61	28.60	8.32	10.85	5.63	3.46	4.36	4.10
9	15.48	17.53	6.11	11.84	17.45	26.30	8.18	10.94	6.89	3.91	4.32	4.14
10	11.95	16.25	6.70	11.88	17.20	24.57	7.44	8.72	10.71	3.91	4.30	5.39
11	6.95	16.66	7.47	11.10	16.89	24.23	7.10	7.98	12.02	3.87	4.06	5.30
12	6.68	19.99	7.10	12.17	16.04	24.13	7.36	6.29	12.93	3.84	8.48	5.02
13	9.38	18.97	6.47	12.37	15.13	22.78	6.48	5.95	12.80	3.79	7.45	4.92
14	9.52	16.72	6.18	9.73	14.52	18.56	6.48	6.58	9.32	3.58	5.60	4.87
15	9.59	14.52	6.01	8.65	13.94	16.05	6.39	6.41	8.51	3.83	5.64	3.36
16	9.74	13.83	5.59	8.59	13.45	15.98	6.64	6.34	5.70	3.94	5.47	3.60
17	8.86	13.41	4.62	8.27	11.78	15.40	6.62	6.46	5.28	3.97	5.20	5.18
18	8.79	13.11	4.86	7.86	7.93	14.71	6.54	7.28	6.15	3.90	4.18	6.26
19	8.46	10.10	9.95	9.66	7.63	16.06	6.52	6.33	6.32	3.87	3.64	6.18
20	8.26	9.77	12.40	11.79	10.52	17.17	8.27	5.82	6.27	3.80	3.91	5.33
21	7.51	8.81	11.34	10.56	11.29	16.09	15.90	6.12	6.14	4.10	3.78	4.64
22	3.99	8.60	9.80	9.19	11.12	14.29	17.04	6.03	6.00	3.86	4.26	4.06
23	4.15	8.52	8.83	10.19	10.76	13.11	17.63	6.54	4.93	4.20	4.73	4.19
24	5.30	8.32	6.92	10.33	10.01	12.37	15.72	6.81	4.85	4.05	3.84	4.47
25	5.22	7.62	6.87	11.33	7.52	12.00	12.56	7.34	5.93	4.06	3.30	4.20
26	5.16	5.39	8.49	12.34	7.32	12.01	11.52	5.83	6.01	4.50	3.43	4.49
27	5.24	5.51	8.39	26.89	9.14	11.66	11.53	6.22	6.70	5.03	4.93	4.45
28	5.40	6.93	8.30	29.48	8.92	13.34	8.76	7.20	6.78	4.58	5.23	4.98
29	4.99	6.95	8.22	26.84	9.09	15.13	7.65	7.95	5.92	3.74	5.67	5.74
30	4.80	7.17	7.57	25.07	---	16.43	8.83	7.74	4.42	3.96	5.95	5.96
31	5.16	---	5.33	24.52	---	16.52	---	6.78	---	3.99	5.80	---
MEAN	9.08	10.87	7.20	12.63	14.81	16.06	10.30	7.29	6.83	3.99	4.84	4.86
MAX	25.24	19.99	12.40	29.48	26.43	28.60	17.63	10.94	12.93	5.03	8.48	6.26
MIN	3.06	4.96	4.62	5.09	7.32	6.13	6.39	5.82	4.42	3.45	3.30	3.36
CAL YR 1995	MEAN 7.21		MAX 25.24		MIN 3.01							
WTR YR 1996	MEAN 9.04		MAX 29.48		MIN 3.06							

MOBILE RIVER BASIN

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.--LOCATION.--Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, at bridge on State Highway 53, 4 mi southeast of Dawsonville. The stilling well for the discontinued gage is located on the left bank, 0.5 mi upstream from the bridge.

DRAINAGE AREA.--107 mi².

PERIOD OF RECORD.--November 1970 to January 1994, January 1996 to September 1996. Water-discharge records for water years 1940-76 are published in reports of the U.S. Geological Survey.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 25...	0945	385	21	20	6.8	6.9	6.0	3.0	12.0	99
FEB 22...	1845	470	19	18	6.8	6.4	11.0	16.0	10.2	96
MAR 28...	1530	740	20	19	6.8	6.4	9.5	10.0	10.7	97
APR 17...	1830	420	19	18	7.0	6.8	15.0	22.0	9.6	98
MAY 23...	1400	295	20	19	7.0	6.5	20.0	32.0	8.9	101
JUN 20...	1535	280	21	22	6.8	6.2	21.5	28.5	8.5	100
JUL 11...	1700	143	21	20	7.0	6.7	22.0	25.5	8.1	96
AUG 29...	1400	150	23	24	6.9	6.7	22.0	26.5	8.1	96
SEP 12...	1430	135	24	23	6.9	7.0	21.5	30.0	8.3	98

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 25...	18	<1.0	40	7	0.200	<0.030	0.030	2.0
FEB 22...	3.0	<1.0	<20	6	0.130	<0.030	0.030	<1.0
MAR 28...	8.0	<1.0	170	6	0.140	<0.030	<0.020	2.0
APR 17...	3.0	<1.0	170	3	0.030	<0.030	<0.020	<1.0
MAY 23...	5.0	<1.0	80	8	0.140	<0.030	<0.020	<1.0
JUN 20...	16	<1.0	790	6	0.160	<0.030	<0.020	<1.0
JUL 11...	8.0	<1.0	170	7	0.110	<0.030	<0.020	<1.0
AUG 29...	15	<1.0	220	8	0.150	<0.030	0.030	<1.0
SEP 12...	8.0	<1.0	--	8	0.130	<0.030	0.030	1.0

MOBILE RIVER BASIN

02390500 LONG SWAMP CREEK NEAR BALL GROUND, GA.

LOCATION.--Lat 34°19'36", long 84°20'41", Cherokee County, Hydrologic Unit 03150104, at bridge on County Road 775, 0.4 mi upstream from the Etowah River and 2 mi southeast of Ball Ground.

DRAINAGE AREA.--76.5 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	0900	70	70	67	7.2	7.2	9.0	11.0	11.1	100
FEB 06...	0840	80	56	55	7.4	7.2	2.0	-8.0	13.4	99
MAR 05...	0715	66	73	69	7.4	7.2	8.0	2.0	11.4	99
APR 02...	0630	161	60	57	7.5	7.1	7.0	-1.0	11.8	101
MAY 07...	0730	156	64	61	7.4	6.9	17.0	14.5	8.3	88
JUN 04...	0645	90	70	65	7.5	7.1	18.0	13.0	8.0	88
25...	0705	69	79	74	7.5	7.2	22.0	21.0	7.1	84
AUG 06...	0630	61	89	89	7.6	7.6	23.0	21.0	6.9	83
SEP 03...	0635	54	87	86	7.6	7.4	21.0	20.0	7.4	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	2.0	<1.0	<100	27	4	0.180	<0.030	<0.020	<1.0
FEB 06...	10	<1.0	70	31	15	0.200	<0.030	<0.020	<1.0
MAR 05...	3.0	<1.0	--	29	4	0.200	0.120	0.020	<1.0
APR 02...	4.0	<1.0	170	24	11	0.150	<0.030	<0.020	<1.0
MAY 07...	6.0	<1.0	50	24	18	0.170	0.140	<0.020	<1.0
JUN 04...	7.0	<1.0	130	27	15	0.190	<0.030	<0.020	2.0
25...	7.0	<1.0	330	34	12	0.200	<0.030	<0.020	<1.0
AUG 06...	8.0	<1.0	170	39	12	0.210	<0.030	<0.020	<1.0
SEP 03...	5.0	<1.0	130	34	9	0.190	<0.030	<0.020	2.0

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi upstream from Canton Creek, and 1.8 mi downstream from Hickory Log Creek.
DRAINAGE AREA.--613 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft above sea level. March 1892 to December 1905, nonrecording gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937 to Jan. 17, 1939, nonrecording gage at site 100 ft upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.--Records good, except those for the period of estimated daily discharge, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	0600	12,400	17.30	Jan. 28	0300	*19,500	*22.72
Nov. 8	0600	11,300	16.12	Feb. 3	0600	11,800	16.64
Nov. 12	0300	8,810	13.56	Mar. 7	2000	18,400	22.09

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	410	702	961	1010	3660	1520	2520	2450	1190	677	684	473
2	400	1230	957	1090	6500	1490	2370	2080	1180	655	708	451
3	416	2520	950	1270	10300	1460	2140	1880	1180	648	611	440
4	2710	1550	941	1230	5070	1420	2010	1760	1170	636	598	451
5	11000	1140	939	1090	3520	1420	1940	1680	1100	606	557	458
6	9430	1020	943	1170	3010	9020	1880	1620	1080	608	519	521
7	3100	4450	984	2750	2750	17300	1840	1620	1040	611	511	476
8	2130	9110	1020	2210	2580	12100	1790	1620	1020	612	511	438
9	1600	3260	1160	1630	2550	5040	1810	1550	2320	628	504	423
10	1320	2150	1340	1420	2410	4000	1730	1480	2520	631	493	419
11	1110	4260	1050	1300	2230	3320	1680	1540	1770	592	489	475
12	988	6650	979	1330	2100	2830	1650	1790	1470	557	623	470
13	888	2980	964	1290	1980	2460	1640	1500	1340	561	1030	439
14	1020	2190	945	1230	1930	2190	1700	e1400	1210	605	717	401
15	1420	1820	935	1220	1900	2140	1640	e1400	1150	623	580	386
16	966	1600	943	1220	1830	2210	1670	1510	1170	710	541	399
17	854	1470	953	1200	1760	2290	1590	e1400	1100	728	509	746
18	785	1350	964	1180	1720	2040	1540	e1350	1050	620	481	729
19	749	1290	2760	2660	1690	3440	1590	e1300	1010	571	469	507
20	733	1240	2490	2480	2160	3140	2350	1260	1040	540	490	441
21	744	1180	1630	1770	2460	2510	4680	1230	1010	527	483	443
22	708	1130	1340	1540	2020	2250	3140	1210	930	611	463	539
23	666	1100	1200	1390	1880	2090	2550	1210	883	576	462	545
24	655	1090	1120	1470	1790	2000	2300	1210	836	505	474	461
25	662	1070	1060	1690	1690	1980	2030	1210	845	505	484	424
26	655	1050	1020	2170	1640	2050	2040	1210	840	643	553	420
27	659	1010	994	16100	1610	1920	2210	1200	742	653	812	415
28	848	992	981	16100	1640	2360	1910	1560	726	585	597	484
29	834	984	959	5070	1620	2710	1850	1670	716	589	567	991
30	697	973	950	3960	---	2350	2680	1260	697	555	543	787
31	667	---	952	3990	---	2280	---	1200	---	520	493	---
TOTAL	49824	62561	35384	85230	78000	105330	62470	46360	34335	18688	17556	15052
MEAN	1607	2085	1141	2749	2690	3398	2082	1495	1144	603	566	502
MAX	11000	9110	2760	16100	10300	17300	4680	2450	2520	728	1030	991
MIN	400	702	935	1010	1610	1420	1540	1200	697	505	462	386
CFSM	2.62	3.40	1.86	4.49	4.39	5.54	3.40	2.44	1.87	.98	.92	.82
IN.	3.02	3.80	2.15	5.17	4.73	6.39	3.79	2.81	2.08	1.13	1.07	.91

e Estimated

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	710	819	1127	1553	1829	2111	1876	1374	1096	949	838	645
MAX	3302	2461	3258	3939	3933	5163	5262	2889	3391	1853	2534	1964
(WY)	1990	1978	1962	1946	1903	1980	1964	1973	1900	1900	1901	1898
MIN	214	294	415	425	612	620	542	457	280	212	198	230
(WY)	1955	1982	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1897 - 1996	
ANNUAL TOTAL	441845		610790			
ANNUAL MEAN	1211		1669		1241	
HIGHEST ANNUAL MEAN					1979	
LOWEST ANNUAL MEAN					510	
HIGHEST DAILY MEAN	11000		17300		22700	
LOWEST DAILY MEAN	306		386		122	
ANNUAL SEVEN-DAY MINIMUM	345		427		145	
INSTANTANEOUS PEAK FLOW			19500		32300	
INSTANTANEOUS PEAK STAGE			22.72		26.70	
INSTANTANEOUS LOW FLOW			a376		b120	
ANNUAL RUNOFF (CFSM)	1.97		2.72		2.02	
ANNUAL RUNOFF (INCHES)	26.81		37.07		27.50	
10 PERCENT EXCEEDS	1990		2690		2170	
50 PERCENT EXCEEDS	961		1200		930	
90 PERCENT EXCEEDS	435		501		422	

a Gage height, 1.88 ft

b Gage height, .94 ft

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	1.86	2.54	3.03	3.11	7.51	4.04	5.72	5.37	3.44	2.60	2.61	2.13
2	1.83	3.49	3.02	3.26	10.80	3.98	5.47	4.82	3.43	2.56	2.66	2.07
3	1.87	5.72	3.01	3.58	15.10	3.92	5.09	4.54	3.42	2.54	2.46	2.04
4	5.78	4.08	2.99	3.53	9.27	3.86	4.88	4.37	3.41	2.52	2.44	2.07
5	15.87	3.35	2.99	3.26	7.32	3.85	4.75	4.25	3.29	2.45	2.34	2.09
6	14.06	3.14	3.00	3.40	6.52	13.15	4.65	4.17	3.24	2.46	2.24	2.25
7	6.65	7.93	3.07	6.09	6.09	21.41	4.59	4.17	3.17	2.47	2.23	2.14
8	5.07	13.79	3.14	5.21	5.82	16.69	4.51	4.18	3.15	2.47	2.23	2.04
9	4.17	6.89	3.39	4.22	5.77	9.24	4.54	4.07	5.22	2.50	2.21	2.00
10	3.67	5.11	3.71	3.86	5.54	8.01	4.40	3.96	5.56	2.51	2.18	1.99
11	3.31	7.92	3.20	3.65	5.25	7.19	4.31	4.06	4.44	2.42	2.17	2.13
12	3.08	11.10	3.06	3.69	5.03	6.56	4.26	4.41	3.96	2.34	2.48	2.12
13	2.89	6.46	3.04	3.63	4.83	6.06	4.24	3.99	3.77	2.35	3.26	2.04
14	3.14	5.18	3.00	3.52	4.75	5.67	4.34	---	3.57	2.45	2.68	1.95
15	3.85	4.56	2.98	3.50	4.69	5.57	4.24	---	3.48	2.49	2.39	1.91
16	3.04	4.18	3.00	3.50	4.57	5.71	4.29	4.00	3.52	2.67	2.30	1.94
17	2.83	3.95	3.02	3.46	4.45	5.83	4.15	---	3.40	2.70	2.22	2.72
18	2.70	3.74	3.04	3.43	4.39	5.33	4.06	---	3.31	2.48	2.15	2.70
19	2.63	3.63	6.08	5.90	4.33	7.30	4.15	---	3.23	2.38	2.12	2.21
20	2.60	3.53	5.67	5.65	5.12	6.72	5.34	3.57	3.29	2.30	2.17	2.05
21	2.62	3.44	4.23	4.47	5.62	5.71	8.80	3.53	3.24	2.27	2.15	2.05
22	2.55	3.34	3.72	4.07	4.89	5.28	6.58	3.48	3.08	2.46	2.10	2.30
23	2.47	3.29	3.47	3.80	4.66	5.02	5.51	3.48	3.00	2.38	2.10	2.31
24	2.45	3.27	3.31	3.94	4.50	4.85	5.12	3.48	2.91	2.21	2.13	2.10
25	2.46	3.24	3.22	4.33	4.33	4.83	4.75	3.48	2.92	2.21	2.16	2.00
26	2.45	3.19	3.15	4.96	4.24	4.95	4.77	3.48	2.92	2.53	2.31	1.99
27	2.45	3.13	3.09	20.34	4.20	4.73	5.00	3.47	2.73	2.55	2.86	1.98
28	2.82	3.09	3.07	20.13	4.25	5.45	4.58	4.06	2.70	2.41	2.43	2.15
29	2.79	3.07	3.03	9.28	4.20	6.03	4.50	4.24	2.68	2.42	2.37	3.19
30	2.53	3.05	3.01	7.93	---	5.45	5.76	3.57	2.64	2.34	2.30	2.81
31	2.47	---	3.01	7.96	---	5.32	---	3.46	---	2.25	2.18	---
MEAN	3.84	4.75	3.35	5.51	5.79	6.70	4.91	---	3.40	2.44	2.34	2.18
MAX	15.87	13.79	6.08	20.34	15.10	21.41	8.80	---	5.56	2.70	3.26	3.19
MIN	1.83	2.54	2.98	3.11	4.20	3.85	4.06	---	2.64	2.21	2.10	1.91

CAL YR 1995

MEAN 3.36

MAX 15.87

MIN 1.58

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1971 to September 1976.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C July 24, 1972; minimum recorded, 2.5°C Dec. 26, 1975.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1230	1160	37	36	7.0	6.8	8.5	16.0	11.0	97
FEB 06...	0915	3050	34	34	7.1	6.8	2.0	-8.0	13.2	97
MAR 05...	0800	1420	35	34	7.1	6.7	8.0	6.0	11.4	99
APR 02...	0700	2440	35	33	7.1	6.8	8.0	0.0	9.7	85
MAY 07...	0800	1600	36	36	7.0	6.7	18.0	15.0	8.2	89
JUN 04...	0715	1180	37	38	7.2	6.7	19.0	14.0	7.9	88
25...	0730	821	39	37	7.2	6.7	24.0	22.0	7.0	86
AUG 06...	0700	525	39	39	7.4	7.2	24.0	22.0	7.0	85
SEP 03...	0705	438	39	39	7.1	6.9	22.0	20.0	7.6	90

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3
JAN 18...	4.0	<1.0	50	11
FEB 06...	25	<1.0	80	10
MAR 05...	4.0	1.1	20	11
APR 02...	17	1.8	790	12
MAY 07...	6.0	<1.0	50	11
JUN 04...	6.0	<1.0	80	14
25...	8.0	<1.0	40	14
AUG 06...	17	<1.0	170	17
SEP 03...	10	<1.0	170	14

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	0.340	0.060	--	<0.10	--	0.030	<1.0
FEB 06...	0.400	<0.030	0.20	0.20	0.60	0.060	<1.0
MAR 05...	0.280	<0.030	--	<0.10	--	0.020	<1.0
APR 02...	0.330	<0.030	0.20	0.20	0.53	0.040	<1.0
MAY 07...	0.270	<0.030	0.20	0.20	0.47	0.030	<1.0
JUN 04...	0.270	<0.030	--	<0.10	--	<0.020	2.0
25...	0.250	<0.030	0.20	0.20	0.45	0.030	<1.0
AUG 06...	0.240	<0.030	--	<0.10	--	0.030	<1.0
SEP 03...	0.210	<0.030	0.20	0.20	0.41	<0.020	2.0

MOBILE RIVER BASIN

02392780 LITTLE RIVER NEAR WOODSTOCK, GA.

LOCATION.--Lat 34°07'20", long 84°30'16", Cherokee County, Hydrologic Unit 03150104, at bridge on State Highway 5, 0.1 mi downstream from Rubes Creek and 1.8 mi northeast of Woodstock.

DRAINAGE AREA.--139 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1315	161	93	89	7.1	7.1	9.5	16.0	10.6	96
FEB 06...	1000	265	53	51	7.1	6.7	4.0	3.0	11.9	92
MAR 05...	0900	157	81	78	7.3	7.0	10.0	13.0	10.8	98
APR 02...	0800	225	75	71	7.2	6.8	8.0	3.0	10.7	93
MAY 07...	0900	153	67	64	7.1	6.5	19.0	16.0	8.2	90
JUN 04...	0830	105	72	69	7.3	6.6	19.0	16.0	8.1	90
25...	0830	73	76	73	7.5	7.1	25.0	22.0	6.9	86
AUG 06...	0800	65	81	81	7.2	7.4	23.0	21.0	7.4	88
SEP 03...	0805	67	80	85	7.4	7.2	21.5	20.0	7.7	90

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	12	1.3	<20	31	33	0.430	0.050	0.040	2.0
FEB 06...	60	<1.0	330	15	54	0.430	0.120	0.110	3.0
MAR 05...	9.0	1.0	460	28	12	0.380	<0.030	0.030	1.0
APR 02...	18	<1.0	80	24	23	0.410	0.050	0.040	2.0
MAY 07...	17	<1.0	1300	21	28	0.380	<0.030	0.040	2.0
JUN 04...	17	1.1	1100	15	28	0.310	<0.030	0.030	3.0
25...	13	<1.0	4900	27	16	0.330	<0.030	0.040	2.0
AUG 06...	200	<1.0	<5100	30	297	0.400	<0.030	0.190	2.0
SEP 03...	13	<1.0	790	31	32	0.300	<0.030	0.070	3.0

MOBILE RIVER BASIN

02393000 NOONDAY CREEK NEAR WOODSTOCK, GA.

LOCATION.--Lat 34°05'10", long 84°31'50", Cherokee County, Hydrologic Unit 03150104, at bridge on State Highway 92, 4.6 mi upstream from Allatoona Lake backwater and 1.2 mi southwest of Woodstock.

DRAINAGE AREA.--41.4 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 18...	1400	46	227	216	7.3	7.2	13.0	16.0	9.8	97
FEB 06...	0940	113	143	136	7.2	7.1	4.0	2.0	11.6	90
MAR 05...	0830	44	196	179	7.3	7.2	11.0	15.0	10.3	96
APR 02...	0730	83	125	118	7.1	7.0	8.0	2.0	10.7	93
MAY 07...	0830	42	170	162	7.1	7.1	19.0	16.0	8.1	89
JUN 04...	0750	23	186	175	7.4	7.2	19.0	15.0	8.0	89
25...	0805	19	247	233	7.3	7.2	24.0	22.0	6.8	84
AUG 06...	0730	15	116	116	7.1	7.3	24.0	21.0	6.9	84
SEP 03...	0735	24	149	146	7.3	7.2	22.0	20.0	7.5	89

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINIT WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 18...	7.0	<1.0	110	50	8	2.92	0.040	0.070	3.0
FEB 06...	40	1.1	490	35	30	1.21	0.330	0.090	3.0
MAR 05...	9.0	1.4	110	45	10	2.23	0.090	0.120	3.0
APR 02...	24	<1.0	<120	34	17	1.38	<0.030	0.060	2.0
MAY 07...	8.0	<1.0	330	41	22	2.30	0.080	0.080	3.0
JUN 04...	17	<1.0	330	45	13	2.21	0.090	0.100	4.0
25...	8.0	<1.0	2300	52	5	3.80	<0.030	0.160	4.0
AUG 06...	150	3.0	<13	30	261	1.59	0.060	0.240	4.0
SEP 03...	8.0	1.1	790	35	10	1.84	<0.030	0.120	4.0

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, Hydrologic Unit 03150104, on right bank 0.8 mi downstream from Allatoona Dam, 2 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi east of Cartersville.
DRAINAGE AREA.--1,120 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.--WSP 1032: 1944. WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft above sea level (levels by U.S. Army Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 (See "Lakes and Reservoirs in Mobile River Basin", station 02393500).

AVERAGE DISCHARGE.--58 years, 1,910 ft³/s, 23.16 in/yr, adjusted for storage since 1950.

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	294	1590	2980	962	7620	4010	1810	3060	323	1210	904	273
2	1950	1610	335	1600	1560	284	1800	3300	330	1220	896	284
3	1970	1610	350	1660	300	287	2450	2950	1840	1220	310	2110
4	1890	319	1630	1630	3970	2030	7840	316	1850	319	310	2720
5	339	312	1630	1620	7910	2010	3350	316	1850	320	1500	2110
6	307	2600	1640	344	9130	1200	297	1800	1850	322	586	2110
7	296	4070	2320	950	9540	283	297	3310	1850	322	1510	282
8	299	1330	1620	1540	9420	530	1840	3320	325	909	1520	275
9	3420	5300	342	3470	8550	869	1870	2700	328	909	1530	2110
10	286	5710	336	4470	7660	2720	655	2710	2160	907	309	2130
11	277	7940	1910	4490	7650	4670	1930	312	2160	910	327	2130
12	5260	7850	1920	4530	7730	6300	364	319	2160	908	907	2130
13	5290	7890	1920	333	7790	7670	277	1800	2150	321	899	2130
14	5310	7940	1940	332	7830	7530	297	1810	4000	321	894	292
15	5330	7960	1930	1550	7900	7430	889	1800	333	911	896	297
16	5330	8080	347	1560	7970	7330	898	1800	327	911	898	1230
17	5360	8070	341	1560	798	7170	902	3030	1840	911	310	1220
18	5400	6100	2900	1570	285	7080	893	1510	1850	889	305	1840
19	5440	4250	2910	2520	4020	6990	899	898	1850	910	896	1840
20	5470	4230	2890	317	4070	6950	314	1510	1670	911	846	1210
21	284	4240	2880	311	4070	6820	315	1520	1840	316	1510	305
22	277	4300	2890	4050	4070	6680	4250	2440	335	901	2120	300
23	2200	4320	340	4400	4080	6490	4270	2750	332	935	889	906
24	2220	4280	345	4430	291	6330	4260	2760	1850	904	298	864
25	2200	344	4160	2510	279	6230	4270	332	1840	751	300	1540
26	2190	330	4220	1550	3960	5970	4260	331	2890	897	2100	1550
27	2170	2920	4250	359	3970	5870	321	1540	3280	309	2100	916
28	294	2920	4280	312	3990	4590	321	1540	2050	311	2110	319
29	294	2960	4320	833	4000	5610	2860	1530	324	903	2100	315
30	1570	2960	346	827	---	6460	2430	1530	321	902	2090	1550
31	1600	---	343	4760	---	5830	---	2150	---	904	278	---
TOTAL	74817	124335	60565	61350	150413	150223	57429	56994	46108	23594	32448	37288
MEAN	2413	4144	1954	1979	5187	4846	1914	1839	1537	761	1047	1243
MAX	5470	8080	4320	4760	9540	7670	7840	3320	4000	1220	2120	2720
MIN	277	312	335	311	279	283	277	312	321	309	278	273
MEAN†	2486	3087	1559	4405	3960	5433	2929	1829	1366	711	871	786
CFSM†	2.22	2.76	1.39	3.93	3.54	4.85	2.62	1.63	1.22	0.63	0.78	0.70
IN.†	2.55	3.07	1.60	4.52	3.80	5.58	2.91	1.88	1.36	0.73	0.89	0.78

† Adjusted for change in contents in Allatoona Reservoir.

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1542	1897	2179	2218	2097	2503	2650	2330	1613	1471	1402	1259
MAX	5880	5316	5447	4724	5256	6533	9407	7214	4847	3789	3524	3685
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	448	667	332	476	268	596	360	288	736	430	423	399
(WY)	1987	1985	1955	1956	1956	1986	1988	1988	1985	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	657966		875564			
ANNUAL MEAN	1803		2392		1930	†1939
HIGHEST ANNUAL MEAN	†1807		†2448		3233	1990
LOWEST ANNUAL MEAN					808	1988
HIGHEST DAILY MEAN	8080		9540		13600	Apr 10 1964
LOWEST DAILY MEAN	261		273		132	Mar 14 1993
ANNUAL SEVEN-DAY MINIMUM	708		573		235	Mar 20 1955
INSTANTANEOUS PEAK FLOW			9660		22600	Mar 22 1964
INSTANTANEOUS PEAK STAGE			7.97		15.00	Mar 22 1964
ANNUAL RUNOFF (CFSM)	1.61		2.14		1.72	†1.73
ANNUAL RUNOFF (INCHES)	21.87		29.11		23.43	†23.51
10 PERCENT EXCEEDS	4230		6140		4570	
50 PERCENT EXCEEDS	1260		1730		1440	
90 PERCENT EXCEEDS	318		310		272	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	643	1174	1491	2426	3215	3290	2490	1911	1328	1505	1152	875
MAX	1021	4157	2984	6792	6642	6355	3729	4201	2315	2557	2175	2085
(WY)	1943	1949	1943	1946	1946	1946	1946	1946	1946	1941	1948	1949
MIN	347	474	637	1018	1012	1593	1181	687	613	814	681	420
(WY)	1942	1940	1940	1942	1941	1941	1941	1941	1941	1947	1947	1941

SUMMARY STATISTICS	WATER YEARS 1938 - 1949	
ANNUAL MEAN	1786	
HIGHEST ANNUAL MEAN	3110	
LOWEST ANNUAL MEAN	1072	
HIGHEST DAILY MEAN	37100	Jan 8 1946
LOWEST DAILY MEAN	270	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	299	Oct 3 1941
INSTANTANEOUS PEAK FLOW	a40400	Jan 8 1946
INSTANTANEOUS PEAK STAGE	20.80	Jan 8 1946
INSTANTANEOUS LOW FLOW	270	b
ANNUAL RUNOFF (CFSM)	1.60	
ANNUAL RUNOFF (INCHES)	21.69	
10 PERCENT EXCEEDS	3310	
50 PERCENT EXCEEDS	1210	
90 PERCENT EXCEEDS	555	

† Adjusted for change in contents in Allatoona Reservoir.

a From rating curve extended above 26,000 ft³/s.

b Oct 8, 9, 26, 27, 1941.

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	0800	297	52	48	7.0	7.0	6.0	5.0	11.8	97
FEB 07...	1000	9560	46	44	7.1	7.0	5.0	3.0	12.2	97
MAR 06...	0940	4130	44	41	7.0	6.8	9.0	13.0	10.2	91
APR 03...	1030	310	43	40	7.1	6.7	13.0	18.0	10.1	98
MAY 08...	0830	321	46	45	7.1	6.6	15.0	21.0	9.1	92
JUN 05...	0945	321	49	46	6.9	6.6	17.0	20.0	8.1	85
26...	0930	321	50	48	6.9	6.4	19.0	22.0	7.5	82
AUG 07...	0945	321	56	55	6.9	6.9	22.0	25.0	6.7	78
SEP 04...	0945	285	66	61	6.7	6.7	23.0	22.0	6.5	78

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	16	<1.0	<20	13	5	0.460	0.100	0.030	3.0
FEB 07...	46	<1.0	40	12	21	0.440	0.130	0.060	2.0
MAR 06...	26	<1.0	80	13	13	0.370	<0.030	0.070	3.0
APR 03...	29	<1.0	<20	12	14	0.340	<0.030	0.050	2.0
MAY 08...	24	<1.0	<20	10	3	0.360	<0.030	0.030	2.0
JUN 05...	9.0	<1.0	50	13	<1	0.440	0.050	<0.020	2.0
26...	4.0	<1.0	80	13	<1	0.390	<0.030	<0.020	<1.0
AUG 07...	4.0	<1.0	50	22	2	0.220	0.070	<0.020	<1.0
SEP 04...	3.0	1.3	20	22	2	<0.020	0.220	<0.020	2.0

MOBILE RIVER BASIN

02394520 PUMPKINVINE CREEK NEAR EMERSON, GA.

LOCATION.--Lat 34°06'53", long 84°47'24", Bartow County, Hydrologic Unit 03150104, at bridge on County Road 636, 1.4 mi upstream from Etowah River and 2.1 mi southwest of Emerson.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	0845	143	54	50	6.9	6.7	6.0	6.0	11.8	97
FEB 07...	0930	E280	66	65	7.1	7.0	4.0	5.0	12.4	96
MAR 06...	0915	E150	67	77	7.2	7.2	13.0	13.0	9.6	94
APR 03...	1015	E230	64	62	7.1	6.9	12.0	13.0	10.2	96
MAY 08...	0930	158	79	76	7.3	7.0	21.0	20.0	8.0	91
JUN 05...	0920	92	88	83	7.4	7.2	21.0	18.0	7.8	89
26...	0915	67	98	94	7.4	7.2	24.0	23.0	7.1	86
AUG 07...	0920	100	76	76	7.4	7.4	25.0	23.0	6.8	84
SEP 04...	0915	80	92	90	7.4	7.3	22.0	19.0	7.6	89

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	66	<1.0	220	13	110	0.190	0.040	0.080	3.0
FEB 07...	36	<1.0	330	22	42	0.200	0.060	0.050	2.0
MAR 06...	290	3.3	4900	27	550	0.480	0.170	0.530	7.0
APR 03...	19	<1.0	790	21	61	0.130	<0.030	0.040	2.0
MAY 08...	11	<1.0	360	28	13	0.120	<0.030	0.030	2.0
JUN 05...	13	<1.0	<280	32	13	0.180	0.060	<0.020	2.0
26...	11	<1.0	130	40	11	0.180	<0.030	0.030	2.0
AUG 07...	100	<1.0	3300	30	46	0.270	<0.030	0.090	4.0
SEP 04...	27	<1.0	2300	36	29	0.210	<0.030	0.040	3.0

MOBILE RIVER BASIN

02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°08'34", long 84°50'20", Bartow County, Hydrologic Unit 03150104, on downstream side of bridge pier on State Highway 61, 3 mi southwest of Cartersville, 9.6 mi downstream from Allatoona Reservoir Dam, and at mile 38.22.
DRAINAGE AREA.--1,345 mi².

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--November 1985 to current year (gage heights only). Gage-height records collected from May 1937 to Nov. 22, 1939 at site 200 ft upstream and from Nov. 1939 until at least 1961 at same site are contained in reports of National Weather Service. Gage-height records collected at same site since December 1949 and discharge measurements for the period August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 650.81 ft above sea level.

REMARKS.--Stage affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 17.96 ft Mar. 17, 1990; minimum recorded, 4.06 ft Sept. 10, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1886 reached a stage of 37.0 ft, information supplied by U.S. Weather Service; flood of Dec. 19, 1919 reached a stage of 31.0 ft, information supplied by local resident; flood of Nov. 29, 1948 reached a stage of 30.0 ft from U.S. Weather Service stage records; minimum observed, 3.8 ft, Sept. 25, 1939, from U.S. Weather Service stage records.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.83 ft Nov. 8; minimum, 4.60 ft Sept. 2.

REVISIONS.--The minimum gage height for water year 1995 has been revised to 4.59 ft, Sept. 10, 1995. The daily mean gage heights of July 8 and 9, 1995 have been revised to gage height unknown. These figures supercede those published in the report for 1995.

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	4.68	6.62	8.54	5.71	14.24	10.05	8.43	8.38	5.05	6.10	6.13	4.77
2	6.91	6.79	5.13	6.97	11.84	6.16	7.85	8.79	4.89	6.12	6.06	4.79
3	7.08	7.07	4.90	6.58	10.98	5.09	7.57	8.80	6.93	6.12	4.90	7.28
4	10.13	5.51	6.65	7.20	10.25	7.41	14.17	5.53	6.96	4.77	4.82	8.01
5	12.55	4.92	6.87	6.91	14.43	7.78	10.08	5.08	6.95	4.74	6.52	7.47
6	9.66	7.87	6.88	5.40	15.41	10.98	5.28	7.06	6.93	4.74	5.40	7.32
7	6.01	10.80	7.69	6.75	15.85	13.39	5.28	8.83	6.93	4.73	6.54	4.85
8	5.54	11.08	6.93	7.61	15.73	10.53	7.33	8.93	4.95	5.69	6.50	4.75
9	9.05	11.31	5.39	9.33	15.09	6.86	7.33	8.29	5.08	5.69	6.49	7.23
10	5.23	11.49	5.19	10.29	14.06	9.45	5.79	8.18	7.17	5.71	4.77	7.33
11	5.05	14.85	7.14	10.28	14.05	11.27	7.75	5.09	7.57	5.72	5.33	7.30
12	10.48	14.84	7.30	10.51	14.05	12.73	5.34	5.05	7.40	5.67	11.00	7.25
13	11.18	14.29	7.28	5.57	14.09	14.15	5.08	6.59	7.54	4.71	7.29	7.30
14	11.19	14.19	7.26	5.18	14.12	13.99	5.13	7.03	9.34	4.70	6.33	4.78
15	11.45	14.17	7.27	6.79	14.18	14.05	5.69	7.04	5.41	5.72	6.12	4.70
16	11.80	14.22	5.12	6.98	14.23	14.10	6.05	7.03	4.90	5.70	5.95	6.23
17	10.72	14.23	4.91	6.95	7.01	13.93	6.03	8.49	6.30	5.69	4.88	6.62
18	11.30	12.62	8.22	6.97	5.13	13.65	6.00	7.08	7.22	5.72	4.81	7.13
19	11.26	10.19	9.86	8.86	9.07	14.20	6.01	5.85	6.98	5.76	5.86	6.98
20	11.31	9.53	9.29	6.32	10.33	13.81	5.97	6.64	6.88	5.78	5.73	6.16
21	5.59	10.18	8.77	5.29	10.32	13.47	6.86	6.62	6.83	4.94	6.51	4.91
22	4.80	10.20	8.65	9.41	10.21	13.29	9.79	7.73	5.34	5.88	7.26	5.08
23	7.33	10.19	5.33	10.44	10.17	13.07	10.30	8.05	4.85	5.83	5.73	5.86
24	7.57	10.15	5.03	10.60	6.25	12.91	10.24	8.10	6.90	5.71	4.79	5.75
25	7.57	6.06	9.58	9.18	5.11	12.81	10.19	4.99	6.92	5.61	4.85	6.52
26	7.58	4.91	10.08	7.78	8.90	12.61	10.18	4.92	7.82	5.75	7.27	6.52
27	7.62	8.24	10.08	14.72	9.97	12.47	6.01	6.58	9.01	4.75	7.30	5.72
28	5.13	8.51	10.13	9.71	10.05	11.75	5.19	6.85	7.40	4.74	7.38	4.93
29	4.89	8.52	10.16	7.16	10.15	12.05	8.13	6.72	4.84	5.68	7.30	5.45
30	6.16	8.53	5.41	6.88	---	13.48	8.38	6.76	4.79	5.68	7.29	6.56
31	6.60	---	4.93	10.54	---	12.33	---	7.27	---	5.68	4.83	---
MEAN	8.17	10.07	7.29	8.03	11.56	11.74	7.45	7.04	6.54	5.48	6.19	6.18
MAX	12.55	14.85	10.16	14.72	15.85	14.20	14.17	8.93	9.34	6.12	11.00	8.01
MIN	4.68	4.91	4.90	5.18	5.11	5.09	5.08	4.92	4.79	4.70	4.77	4.70

WTR YR 1996

MEAN 7.96

MAX 15.85

MIN 4.68

MOBILE RIVER BASIN

02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
MAR 06...	0900	2950	84	64	7.5	7.0	12.0	13.0	9.7	93
APR 03...	0945	5350	48	46	8.0	6.7	11.0	12.0	10.5	97
MAY 08...	0900	650	84	86	7.6	7.1	17.5	20.0	8.6	91
JUN 05...	0900	550	100	90	7.2	7.0	18.0	16.0	8.3	89
26...	0900	540	84	77	7.5	6.8	20.0	23.0	7.7	87
AUG 07...	0850	555	83	82	7.9	7.2	23.0	23.0	7.1	84
SEP 04...	0855	555	92	88	7.2	7.1	22.0	19.0	7.2	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAR 06...	240	3.2	13000	20	514	0.150	0.040	0.300	5.0
APR 03...	32	<1.0	50	14	29	0.400	<0.030	0.050	2.0
MAY 08...	15	<1.0	110	31	6	0.380	<0.030	0.030	2.0
JUN 05...	9.0	<1.0	490	29	4	0.660	0.080	0.140	2.0
26...	5.0	<1.0	940	31	3	0.440	<0.030	<0.020	<1.0
AUG 07...	40	<1.0	1400	32	26	0.310	0.050	0.030	2.0
SEP 04...	5.0	<1.0	--	32	4	0.200	0.140	0.050	2.0

MOBILE RIVER BASIN

02394780 ETOWAH RIVER AT MILAMS BRIDGE, AT EUHARLEE, GA.

LOCATION.--Lat 34°08'15", long 84°55'30", Bartow County, Hydrologic Unit 03150104, at bridge on County Road 15 at Euharlee and 0.5 mi upstream from Euharlee Creek.

DRAINAGE AREA.--1,421 mi².

PERIOD OF RECORD.--January 1996 to February 1996 (discontinued).

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 30...	0920	E1600	82	78	7.1	7.1	7.0	9.0	12.0	101
FEB 07...	0900	E11300	50	48	7.4	7.0	5.0	2.0	12.8	101

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 30...	42	1.6	230	27	55	0.470	0.060	0.110	3.0
FEB 07...	60	<1.0	<20	13	49	0.430	0.120	0.090	2.0

MOBILE RIVER BASIN

02394958 EUHARLEE CREEK NEAR STILESBORO, GA.

LOCATION.--Lat 34°06'31", long 84°57'02", Bartow County, Hydrologic Unit 03150104, at bridge on County Road 32, 5.4 mi upstream from Etowah River and 1 mi west of Stilesboro.

DRAINAGE AREA.--158 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 11...	0845	245	189	181	7.3	7.6	7.5	0.0	11.1	95
FEB 14...	0600	320	194	184	7.6	7.6	10.0	8.0	10.2	93
MAR 13...	0500	475	152	--	7.3	7.4	10.0	-1.0	10.1	92
APR 10...	0500	195	195	183	7.8	7.5	12.0	1.0	9.4	89
MAY 15...	0500	180	221	202	7.6	7.6	17.0	18.0	8.2	87
JUN 12...	0500	195	186	170	7.7	7.7	20.0	19.0	7.3	82
JUL 02...	0500	125	253	240	7.8	7.8	23.0	22.0	6.4	77
AUG 14...	0500	155	209	206	7.3	7.7	21.0	19.0	7.3	84
SEP 11...	0500	115	261	258	7.8	7.8	21.0	21.0	7.2	83

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 11...	8.0	1.5	1700	82	11	0.660	0.050	<0.020	<1.0
FEB 14...	8.0	<1.0	<20	84	17	0.610	<0.030	0.030	2.0
MAR 13...	17	1.3	330	61	29	0.510	<0.030	0.050	3.0
APR 10...	7.0	<1.0	50	84	14	0.530	<0.030	<0.020	<1.0
MAY 15...	12	<1.0	230	94	28	0.790	0.110	0.060	<1.0
JUN 12...	26	<1.0	790	80	39	0.590	<0.030	0.060	2.0
JUL 02...	10	<1.0	330	--	20	0.660	0.040	<0.020	<1.0
AUG 14...	21	<1.0	790	92	33	0.550	<0.030	0.080	2.0
SEP 11...	10	<1.0	230	115	18	0.640	<0.030	0.090	<1.0

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at bridge on Hardin Bridge Road, 1,000 ft downstream from Ashpole Creek, and 3 mi north of Euharlee.

DRAINAGE AREA.--1,610 mi².

PERIOD OF RECORD.--August 1974 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 81341 are by the Environmental Protection Division of the Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 1028 are by the U.S. Geological Survey. Field determinations of Discharge are by the U.S. Geological Survey. Flow regulated by Allatoona Reservoir (see "Lakes and Reservoirs in Mobile River Basin", station 02393500).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT										
12...	1100	690	161	153	7.6	7.8	21.0	24.0	6.9	79
NOV										
27...	1100	2850	156	147	7.6	7.7	12.0	16.0	9.8	93
DEC										
14...	1000	3650	112	106	7.6	7.6	10.0	15.0	10.4	94
JAN										
04...	1040	910	106	102	7.7	7.4	6.0	2.0	11.8	97
FEB										
14...	0640	1450	58	56	7.6	7.0	6.0	3.0	11.7	97
MAR										
13...	0540	9500	60	59	7.4	7.1	7.0	-2.0	11.4	96
APR										
10...	0530	1520	125	120	7.7	7.3	9.0	-1.0	10.2	90
MAY										
15...	0530	1620	64	60	7.6	--	14.0	16.0	8.4	83
JUN										
12...	0530	1530	80	77	7.4	7.0	17.0	17.0	7.1	75
JUL										
02...	0530	1300	80	80	7.3	6.8	20.0	21.0	6.7	76
AUG										
14...	0530	1220	85	86	7.4	7.2	21.0	19.0	6.5	75
SEP										
11...	0530	1110	85	84	7.1	6.9	23.0	21.0	6.1	73

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	11	<1.0	310	74	54	9	0.450	0.040	0.120	3.0
NOV										
27...	13	<1.0	50	78	59	37	0.700	<0.030	0.100	2.0
DEC										
14...	9.0	<1.0	20	40	40	20	0.480	<0.030	0.050	3.0
JAN										
04...	6.0	<1.0	130	44	40	5	0.520	0.050	0.040	2.0
FEB										
14...	46	1.7	<20	--	17	28	0.440	0.080	0.080	3.0
MAR										
13...	23	1.1	<20	--	19	49	0.430	0.060	0.050	2.0
APR										
10...	15	1.1	<20	--	48	9	0.540	0.080	0.030	2.0
MAY										
15...	21	<1.0	50	--	17	14	0.430	<0.030	0.040	2.0
JUN										
12...	16	<1.0	490	--	28	11	0.500	<0.030	0.030	2.0
JUL										
02...	7.0	<1.0	230	--	28	6	0.450	<0.030	<0.020	<1.0
AUG										
14...	30	<1.0	1300	--	33	42	0.260	0.060	0.060	2.0
SEP										
11...	5.0	<1.0	330	--	31	6	0.160	0.190	0.040	2.0

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.

LOCATION.--Lat 34°14'34", long 84°53'23", Bartow County, Hydrologic Unit 03150104, on right bank 200 ft upstream from bridge on State Highway 293, 1.9 mi upstream from Limekiln Branch, and 3 mi east of Kingston.

DRAINAGE AREA.--33.1 mi².

PERIOD OF RECORD.--May 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 723.10 ft above sea level (leveling by global positioning equipment system).

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0545	744	5.21	Feb. 2	1645	947	5.66
Nov. 7	2015	694	5.06	Mar. 6	1315	2,980	7.77
Nov. 11	1630	511	4.41	Apr. 20	2200	685	5.03
Jan. 27	0215	*3,960	*8.42				

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	17	19	19	29	134	46	101	56	23	19	30	14
2	17	38	18	40	617	43	79	48	24	17	20	15
3	19	40	19	47	338	42	72	45	26	18	17	15
4	119	29	19	37	145	41	67	41	23	16	15	14
5	443	24	18	34	110	39	61	38	22	18	18	17
6	68	30	18	61	92	1240	60	39	22	17	16	15
7	49	375	19	119	92	1260	59	37	22	15	16	13
8	40	169	17	89	92	345	60	35	25	18	19	13
9	34	67	37	70	91	168	55	34	63	18	17	20
10	27	48	26	62	75	131	50	34	43	17	16	19
11	24	294	24	57	68	110	47	39	35	16	45	16
12	23	141	22	87	61	98	46	34	34	16	49	14
13	22	87	20	68	58	89	45	34	30	15	26	13
14	21	65	20	58	56	76	43	31	29	16	20	15
15	20	54	19	54	57	82	44	31	27	17	18	12
16	21	43	20	48	53	107	42	30	23	18	18	22
17	19	39	18	43	46	100	39	29	24	16	16	35
18	19	34	23	45	44	86	38	29	23	16	15	17
19	18	32	123	97	47	279	37	26	25	15	18	15
20	19	30	71	64	95	130	196	28	24	16	16	14
21	18	29	56	56	76	101	359	26	23	16	15	18
22	18	27	47	53	67	84	142	25	21	18	15	20
23	21	25	41	46	62	72	102	25	19	15	15	18
24	20	23	38	60	57	66	78	24	21	15	15	14
25	20	26	37	53	49	81	66	28	20	21	13	14
26	19	22	33	405	49	72	66	23	19	19	16	13
27	22	24	34	1840	47	65	59	25	19	17	14	14
28	29	22	31	263	53	118	51	51	19	17	15	34
29	20	21	29	153	49	111	52	32	17	18	14	28
30	19	20	28	134	---	92	73	28	17	16	14	21
31	19	---	28	190	---	93	---	26	---	18	11	---
TOTAL	1264	1897	972	4462	2880	5467	2289	1031	762	524	582	522
MEAN	40.8	63.2	31.4	144	99.3	176	76.3	33.3	25.4	16.9	18.8	17.4
MAX	443	375	123	1840	617	1260	359	56	63	21	49	35
MIN	17	19	17	29	44	39	37	23	17	15	11	12
CFSM	1.23	1.91	.95	4.35	3.00	5.33	2.31	1.00	.77	.51	.57	.53
IN.	1.42	2.13	1.09	5.01	3.24	6.14	2.57	1.16	.86	.59	.65	.59

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.2	30.7	45.3	65.6	89.4	91.5	61.8	37.6	24.4	20.6	22.9	19.3
MAX	112	129	164	144	247	213	156	84.9	60.2	57.9	90.9	57.9
(WY)	1990	1993	1984	1996	1990	1990	1982	1984	1989	1989	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	14234.9		22652		44.1	
ANNUAL MEAN	39.0		61.9		86.2	
HIGHEST ANNUAL MEAN					12.9	
LOWEST ANNUAL MEAN					1840	
HIGHEST DAILY MEAN	689	Mar 8	1840	Jan 27	1840	Jan 27 1996
LOWEST DAILY MEAN	7.8	Aug 18	11	Aug 31	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	8.4	Aug 13	14	Aug 25	5.2	Oct 7 1988
INSTANTANEOUS PEAK FLOW			3960	Jan 27	3960	Jan 27 1996
INSTANTANEOUS PEAK STAGE			8.42	Jan 27	8.42	Jan 27 1996
ANNUAL RUNOFF (CFSM)	1.18		1.87		1.33	
ANNUAL RUNOFF (INCHES)	16.00		25.46		18.08	
10 PERCENT EXCEEDS	71		100		84	
50 PERCENT EXCEEDS	22		29		23	
90 PERCENT EXCEEDS	11		16		10	

MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA.

LOCATION.--Lat 34°13'56", long 85°07'01", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Loop 1 bypass bridge, 4.6 mi upstream from Southern Railway bridge and 6.6 mi upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1801 mi².

PERIOD OF RECORD.--July to December 1903; August 1904 to June 1921, published as "near Rome"; October 1938 to September 1994, published as "at Rome" (station 02396000). October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above sea level. July 1 to Dec. 31, 1903, non-recording gage at Second Avenue Bridge, 1 mi downstream at different datum. Aug. 17, 1904 to June 30, 1921, non-recording gage at Freemans Ferry 5 mi upstream at different datum. Oct. 1, 1938 to September 30, 1994 recording gage at Southern Railway bridge 4.6 mi downstream at same datum.

REMARKS.--Records good, except those affected by backwater Feb. 16-24, Mar. 1-4, and 8-13, which are good to fair. Flow regulated by Allatoona Reservoir since 1949 (see "Lakes and Reservoirs in Mobile River basin", station 02393500). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--74 years (water years 1905-20, 1939-95), 2,953 ft³/s, 22.27 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, Dec. 11, 1919. Flood of April 9, 1938 reached a stage of 37.5 ft, discharge 46,500 ft³/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers at former site (Southern Railway bridge) and datum.

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	683	2060	3470	1050	11400	5000	6530	3290	2770	871	1770	798
2	806	2130	2590	2120	13000	4050	3950	4060	1040	1740	2060	810
3	2310	2550	956	2000	15500	1310	3680	4170	1050	1740	1590	863
4	5140	2450	1410	2730	7860	1650	7060	3770	2440	1710	863	2740
5	15500	1040	2220	2280	10100	3000	8250	1290	2440	809	826	3100
6	12800	2170	2230	1940	11800	9880	2030	1300	2420	812	2070	2590
7	3790	4890	2230	1970	11900	20200	1700	3200	2410	810	1220	2540
8	2090	11800	2820	3160	11400	16000	2820	4100	2450	804	1960	787
9	2120	5290	1850	2890	11100	4870	3130	4140	1680	1410	1960	784
10	3760	7210	1280	4990	9810	4550	1840	3490	1730	1400	1930	2590
11	1230	10100	1830	5130	9610	6380	2590	2910	3280	1390	1140	2570
12	2380	12400	2540	5510	9290	8100	2460	1280	3160	1360	6060	2520
13	5400	10600	2510	4450	9020	10400	1440	1180	3290	1350	4150	2540
14	5410	9440	2500	1600	8960	10000	1410	2580	3800	748	2160	2500
15	5580	8690	2480	1860	8860	9240	1400	2570	3750	787	1860	745
16	6040	8490	1740	2550	8810	9720	2010	2550	1040	1420	1700	780
17	4950	8410	944	2510	5830	9140	1990	2580	991	1380	1560	2400
18	5470	8180	1630	2480	1530	8730	1960	3590	2440	1360	868	2100
19	5470	4120	4910	3190	2250	10200	1930	2250	2410	1390	855	2410
20	5530	5480	5350	3700	5770	10200	2050	1680	2450	1350	1480	2330
21	4170	4830	4220	1580	5550	9160	3250	2210	2270	1450	1410	1780
22	911	4780	3860	2300	5360	8440	3030	2510	2380	907	2000	1040
23	1600	4780	3020	5060	5270	7950	5920	2990	890	1460	2490	1040
24	2690	4760	1240	5110	3960	7660	5830	3290	889	1400	1390	1500
25	2670	3380	2550	5340	1430	7510	5510	3040	2330	1410	823	1400
26	2670	1060	4580	4190	2250	7440	5360	1060	2340	1320	994	1990
27	2700	1890	4590	21200	4910	7160	4810	1050	3840	1410	2580	1990
28	2060	3490	4600	17000	4950	7510	1540	2450	3280	802	2640	1490
29	934	3450	4610	5010	5090	6920	1500	2580	2390	786	2580	1210
30	871	3470	3180	4220	---	8990	4300	2360	895	1370	2570	1140
31	2050	---	1050	5360	---	8040	---	2250	---	1370	2430	---
TOTAL	119785	163390	84990	134480	222570	249400	101280	81770	68545	38326	59989	53077
MEAN	3864	5446	2742	4338	7675	8045	3376	2638	2285	1236	1935	1769
MAX	15500	12400	5350	21200	15500	20200	8250	4170	3840	1740	6060	3100
MIN	683	1040	944	1050	1430	1310	1400	1050	889	748	823	745

MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2040	2439	2977	3565	3743	4596	4319	3344	2297	2063	1921	1736
MAX	7996	6673	8101	7907	9219	11540	12970	9356	6324	4960	4795	4691
(WY)	1990	1978	1984	1993	1990	1990	1964	1964	1973	1989	1984	1967
MIN	646	944	613	782	1180	1052	919	650	988	650	670	673
(WY)	1987	1987	1955	1956	1986	1986	1988	1988	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	990684		1377602			
ANNUAL MEAN	2714		3764		2916	
HIGHEST ANNUAL MEAN					5064	
LOWEST ANNUAL MEAN					1224	
HIGHEST DAILY MEAN	15500		Oct 5		31900	
LOWEST DAILY MEAN	606		Jul 17		400	
ANNUAL SEVEN-DAY MINIMUM	1130		Aug 5		473	
INSTANTANEOUS PEAK FLOW			1060		Dec 23 1954	
INSTANTANEOUS PEAK STAGE			23500		Mar 4 1979	
ANNUAL RUNOFF (CFSM)	1.51		35.41		36.13	
ANNUAL RUNOFF (INCHES)	20.46		2.09		1.62	
10 PERCENT EXCEEDS	5470		28.45		22.00	
50 PERCENT EXCEEDS	1890		8750		6130	
90 PERCENT EXCEEDS	951		2540		2160	
			1040		843	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1510	1644	3184	3764	5248	5510	4121	2965	2288	2763	2221	1481
MAX	4508	5886	9013	9297	12270	14950	13440	6281	5227	12610	7312	3248
(WY)	1907	1949	1921	1946	1921	1917	1920	1920	1909	1916	1920	1917
MIN	423	614	840	1365	1525	1549	1719	1011	897	1191	1056	588
(WY)	1905	1905	1940	1914	1941	1914	1905	1941	1941	1947	1947	1904

SUMMARY STATISTICS WATER YEARS 1904 - 1949

ANNUAL MEAN	3023	
HIGHEST ANNUAL MEAN	5782	1920
LOWEST ANNUAL MEAN	1533	1914
HIGHEST DAILY MEAN	46300	Dec 11 1919
LOWEST DAILY MEAN	360	Oct 10 1904
ANNUAL SEVEN-DAY MINIMUM	411	Oct 21 1904
INSTANTANEOUS PEAK FLOW	c55000	Dec 11 1919
INSTANTANEOUS PEAK STAGE	d	Dec 11 1919
ANNUAL RUNOFF (CFSM)	1.66	
ANNUAL RUNOFF (INCHES)	22.58	
10 PERCENT EXCEEDS	5590	
50 PERCENT EXCEEDS	1920	
90 PERCENT EXCEEDS	900	

† Adjusted for change in contents in Allatoona Reservoir.

a Gage height, 35.81 ft, at site and datum then in use.

b Backwater from Coosa River.

c Computed from data at upstream stations.

d Over 28 ft, at former site at Freemans Ferry at different datum.

MOBILE RIVER BASIN

02396000 ETOWAH RIVER AT ROME, GA.

LOCATION.--Lat 34°15'26", long 85°09'30", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Southern Railway bridge in Rome, 1,800 ft upstream from U.S. Highway 27, and 2 mi upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1,820 mi².

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 11...	1000	5090	69	66	7.9	7.0	5.0	2.5	11.9	95
FEB 14...	0700	9200	62	60	7.4	7.0	6.0	7.0	11.6	96
MAR 13...	0630	10200	70	68	7.3	7.0	8.0	0.0	10.7	92
APR 10...	0600	2350	81	79	7.5	7.2	9.0	0.0	10.3	91
MAY 15...	0600	4510	93	89	7.4	7.2	16.0	17.0	8.6	89
JUN 12...	0600	4710	97	91	7.4	7.3	19.0	18.0	7.2	79
JUL 02...	0600	3930	170	165	7.9	7.6	24.0	22.0	6.2	76
AUG 14...	0600	3970	83	85	7.5	7.2	22.0	19.0	7.3	85
SEP 11...	0600	5480	106	106	7.5	7.3	23.0	21.0	7.0	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 11...	18	1.1	80	26	22	18	0.450	0.050	0.040	2.0
FEB 14...	46	1.7	80	--	21	29	0.440	0.080	0.080	3.0
MAR 13...	24	1.5	230	--	22	55	0.490	0.040	0.050	2.0
APR 10...	29	<1.0	130	--	29	17	0.600	0.070	0.040	2.0
MAY 15...	23	2.1	130	--	36	47	0.460	<0.030	0.050	2.0
JUN 12...	38	<1.0	790	--	36	59	0.520	<0.030	0.080	2.0
JUL 02...	9.0	1.2	790	--	73	39	0.540	<0.030	<0.020	2.0
AUG 14...	110	2.1	2300	--	32	142	0.300	0.040	0.150	6.0
SEP 11...	16	1.1	310	--	40	58	0.320	0.070	0.070	2.0

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M), WDR GA-92-1: 1981.

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft above sea level (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Oostanaula River at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records good to fair. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974 (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400 and 02393500).

AVERAGE DISCHARGE.--65 years (water years 1897-1903, 1929-31, 1938-58, 1963-96), 6,722 ft³/s, 22.59 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

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	1460	3210	6250	3320	31900	7970	18800	7800	5410	2400	3790	2890
2	1430	3860	5670	5380	33000	7470	15800	8470	3440	3050	4760	2840
3	2980	5470	3360	7970	34400	4820	14200	8320	3200	3040	3890	2870
4	11300	6850	3320	8410	29700	4600	14300	7600	4490	2990	2780	4420
5	27200	6100	4360	7630	26600	5800	16300	5230	4490	2080	2300	4750
6	31500	5500	4360	6650	25200	17200	10100	5000	4410	1840	3270	4240
7	26900	10500	4340	9010	22400	33500	7620	6570	4370	1790	2340	4230
8	21100	23000	4890	12100	20700	40100	7000	11000	4410	1820	3080	2610
9	16500	20500	4570	11300	20400	34700	7000	12000	5580	2350	3020	2620
10	12900	18800	4930	11700	20000	30600	6260	8360	10300	2370	2990	4320
11	5870	19100	5810	10600	19600	29900	5730	7230	13000	2300	2590	4200
12	5190	23600	5620	12300	18700	29600	6160	5060	14400	2300	7850	3900
13	8400	22300	4980	12900	17500	27600	5070	4680	14400	2230	6860	3780
14	8570	19500	4660	8430	16700	22200	5030	5420	9440	1870	4580	3700
15	8620	16700	4470	7260	15800	19000	5000	5150	8060	2160	4580	1870
16	8830	15600	3970	7290	15100	18800	5350	5030	4490	2390	4370	2070
17	7900	15100	2630	6970	12800	17900	5330	5180	3870	2430	4000	4080
18	7810	14800	2890	6570	6500	17000	5250	6160	4990	2360	2710	5290
19	7480	9630	8740	8290	6130	18600	5220	5170	5220	2320	2150	5240
20	7230	8760	12400	11200	9350	20000	6870	4700	5190	2240	2480	4250
21	6450	7650	10700	9280	10500	18700	17800	5080	5030	2510	2330	3390
22	2130	7440	8690	7820	10400	16500	19800	4840	4840	2260	2970	2570
23	2070	7380	7610	9170	9850	14900	20600	5340	3400	2670	3560	2660
24	3630	7190	5500	9360	9010	13800	18400	5600	3300	2500	2350	3070
25	3570	6500	5420	10800	6070	12900	14300	6280	4830	2490	1760	2770
26	3480	3680	7330	12300	5830	12800	12600	4390	4940	2890	1860	3180
27	3630	3720	7250	33000	7920	12200	12600	4890	5680	3610	3710	3100
28	3830	5650	7150	43000	7710	14700	7880	6240	5860	2990	4130	3650
29	3030	5640	7090	36200	7890	17200	6540	6860	4810	2110	4560	4440
30	2850	5810	6440	31500	---	18900	8070	6620	2880	2430	4870	4770
31	3420	---	3620	30300	---	19100	---	5650	---	2450	4690	---
TOTAL	267260	329540	179020	408010	477660	579060	310980	195920	178730	75240	111180	107770
MEAN	8621	10980	5775	13160	16470	18680	10370	6320	5958	2427	3586	3592
MAX	31500	23600	12400	43000	34400	40100	20600	12000	14400	3610	7850	5290
MIN	1430	3210	2630	3320	5830	4600	5000	4390	2880	1790	1760	1870

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3592	4836	6728	9475	10580	12440	10660	7347	4655	4055	3436	3170
MAX	15440	14130	18640	20980	31130	29220	25730	16880	13970	10450	9360	9956
(WY)	1990	1978	1984	1974	1990	1990	1964	1964	1973	1989	1984	1950
MIN	1472	1665	1881	1922	3798	3115	2544	1651	1513	1341	1333	1473
(WY)	1989	1988	1988	1956	1988	1988	1986	1988	1988	1986	1986	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950 - 1996	
ANNUAL TOTAL	2306940		3220370			
ANNUAL MEAN	6320		8799		6741	
HIGHEST ANNUAL MEAN	†6311		†8862		11880	
LOWEST ANNUAL MEAN					2509	
HIGHEST DAILY MEAN	31500		43000		64200	
LOWEST DAILY MEAN	1400		1430		907	
ANNUAL SEVEN-DAY MINIMUM	1900		2080		1020	
INSTANTANEOUS PEAK FLOW			44400		65500	
INSTANTANEOUS PEAK STAGE			31.67		35.97	
ANNUAL RUNOFF (CFSM)	1.56		2.18		1.67	
ANNUAL RUNOFF (INCHES)	21.24		†21.21		22.67	
10 PERCENT EXCEEDS	15000		19200		14700	
50 PERCENT EXCEEDS	4060		5760		4420	
90 PERCENT EXCEEDS	2270		2500		1960	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2488	3872	5562	8606	12640	14420	10700	6325	4667	4565	3885	3229
MAX	11830	19240	16020	23820	25380	27110	22290	18480	14150	8742	13790	12110
(WY)	1899	1930	1949	1947	1946	1903	1938	1929	1900	1938	1901	1898
MIN	1051	1291	1682	3036	2705	4382	3541	1860	1871	2203	1608	1106
(WY)	1932	1940	1940	1940	1898	1898	1941	1941	1941	1930	1930	1897

SUMMARY STATISTICS	WATER YEARS 1897 - 1949	
ANNUAL MEAN	6682	
HIGHEST ANNUAL MEAN	9943	
LOWEST ANNUAL MEAN	3236	
HIGHEST DAILY MEAN	64600	
LOWEST DAILY MEAN	870	
ANNUAL SEVEN-DAY MINIMUM	879	
INSTANTANEOUS PEAK FLOW	71000	
INSTANTANEOUS PEAK STAGE	37.00	
ANNUAL RUNOFF (CFSM)	1.65	
ANNUAL RUNOFF (INCHES)	22.47	
10 PERCENT EXCEEDS	14100	
50 PERCENT EXCEEDS	3870	
90 PERCENT EXCEEDS	1670	

† Adjusted for change in contents in Carters Lake, Carters Re-regulation Dam, and Allatoona Reservoir.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

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	11.31	12.30	13.59	12.29	27.94	14.26	19.87	14.18	13.15	11.83	12.37	11.99
2	11.28	12.57	13.36	13.15	28.60	14.04	17.73	14.45	12.34	12.13	12.79	11.97
3	12.18	13.27	12.41	14.26	29.23	12.88	16.69	14.38	12.23	12.13	12.43	11.98
4	15.72	13.85	12.39	14.44	27.53	12.78	16.86	14.09	12.76	12.11	11.96	12.63
5	24.69	13.50	12.80	14.12	25.83	13.31	18.09	13.06	12.76	11.63	11.69	12.77
6	27.69	13.22	12.80	13.69	24.69	19.23	15.13	12.96	12.73	11.47	12.14	12.55
7	25.95	15.35	12.79	14.67	22.65	28.49	14.12	13.65	12.71	11.44	11.71	12.55
8	22.51	22.30	13.02	15.80	21.29	30.83	13.84	15.43	12.73	11.46	12.03	11.85
9	19.68	20.97	12.88	15.55	20.98	29.56	13.84	15.84	13.22	11.77	12.00	11.85
10	17.14	19.73	13.04	15.68	20.77	27.83	13.52	14.42	15.18	11.78	11.99	12.59
11	13.35	19.77	13.43	15.27	20.47	27.24	13.28	13.98	16.18	11.74	11.75	12.53
12	13.04	22.87	13.34	15.91	19.79	27.10	13.47	13.06	16.85	11.74	14.11	12.40
13	14.43	22.30	13.06	16.15	18.96	26.33	12.99	12.91	16.96	11.69	13.68	12.34
14	14.50	20.44	12.92	14.45	18.38	23.10	12.97	13.26	14.80	11.47	12.68	12.30
15	14.52	18.40	12.85	13.96	17.80	20.45	12.96	13.15	14.27	11.66	12.68	11.40
16	14.61	17.63	12.65	13.97	17.32	20.11	13.11	13.09	12.73	11.78	12.60	11.53
17	14.21	17.21	12.07	13.83	16.16	19.38	13.10	13.16	12.50	11.80	12.45	12.48
18	14.18	16.90	12.17	13.66	13.63	18.71	13.07	13.58	12.97	11.76	11.90	12.99
19	14.04	14.90	14.61	14.39	13.46	19.59	13.05	13.14	13.06	11.73	11.58	12.98
20	13.94	14.57	15.94	15.50	14.82	20.69	13.76	12.94	13.05	11.69	11.76	12.56
21	13.64	14.13	15.32	14.79	15.26	19.87	18.84	13.11	12.98	11.83	11.68	12.19
22	11.78	14.04	14.55	14.20	15.21	18.34	20.43	13.01	12.91	11.70	11.97	11.83
23	11.74	14.01	14.11	14.75	15.01	17.23	21.14	13.23	12.32	11.91	12.23	11.87
24	12.52	13.93	13.18	14.82	14.67	16.52	19.79	13.34	12.28	11.82	11.69	12.06
25	12.49	13.63	13.15	15.35	13.43	16.11	17.10	13.63	12.90	11.82	11.32	11.92
26	12.45	12.44	13.99	16.21	13.33	16.08	16.09	12.79	12.95	12.02	11.40	12.08
27	12.51	12.48	13.95	28.09	14.24	15.83	16.10	12.98	13.27	12.33	12.32	12.03
28	12.59	13.29	13.91	31.43	14.15	17.02	14.23	13.54	13.35	12.06	12.50	12.27
29	12.27	13.30	13.89	29.95	14.23	18.54	13.64	13.79	12.90	11.60	12.69	12.62
30	12.18	13.39	13.60	28.12	---	19.68	14.29	13.68	12.08	11.76	12.82	12.76
31	12.40	---	12.41	27.32	---	19.94	---	13.25	---	11.78	12.75	---
MEAN	15.02	15.89	13.36	16.96	18.96	20.03	15.44	13.58	13.37	11.79	12.25	12.26
MAX	27.69	22.87	15.94	31.43	29.23	30.83	21.14	15.84	16.96	12.33	14.11	12.99
MIN	11.28	12.30	12.07	12.29	13.33	12.78	12.96	12.79	12.08	11.44	11.32	11.40
CAL YR 1995	MEAN 13.68		MAX 27.69		MIN 11.15							
WTR YR 1996	MEAN 14.89		MAX 31.43		MIN 11.28							

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996

PERIOD OF DAILY RECORD.--February 1986 to September 1987. April 1988 to current year.

INSTRUMENTATION.--Water-quality monitor. Water temperature recorded hourly.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 31.0°C, July 19, 21, 1986; minimum recorded, 1.5°C, Feb. 5, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.5°C, July 19, 20; minimum, 1.5°C, Feb. 5.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 11...	1030	11600	87	84	7.5	7.1	5.0	3.0	11.9	95
FEB 14...	0800	16800	76	72	7.4	7.1	7.0	7.0	12.4	104
MAR 13...	0730	28600	79	77	7.1	7.0	8.5	2.0	12.4	104
APR 10...	0730	6560	125	121	7.5	7.2	11.5	0.0	10.5	95
MAY 15...	0720	5420	121	112	7.5	7.3	17.0	17.0	8.6	90
JUN 12...	0730	15100	73	71	7.1	6.9	20.0	18.0	7.2	81
JUL 02...	0715	3920	143	138	7.8	7.6	26.0	23.0	5.9	73
AUG 14...	0710	5190	124	124	7.7	7.3	24.0	19.0	6.7	80
SEP 11...	0715	6240	124	128	7.4	7.3	23.5	20.0	6.7	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 11...	22	1.2	230	38	28	0.480	0.170	0.090	2.0
FEB 14...	33	1.5	80	--	25	0.450	0.060	0.090	2.0
MAR 13...	24	1.2	130	--	27	0.410	<0.030	0.110	3.0
APR 10...	13	1.2	170	--	46	0.590	<0.030	0.100	2.0
MAY 15...	14	<1.0	790	--	41	0.540	<0.030	0.150	2.0
JUN 12...	66	1.1	1300	--	24	0.390	<0.030	0.190	5.0
JUL 02...	6.0	<1.0	80	--	53	0.420	<0.030	0.090	2.0
AUG 14...	48	1.5	11000	--	44	0.410	<0.030	0.180	4.0
SEP 11...	16	1.0	7900	--	41	0.380	0.120	0.170	2.0

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	21.5	16.5	14.5	10.5	9.5	7.5	6.5	6.5	6.0	9.5	8.0
2	22.0	21.5	17.0	15.5	10.0	9.5	9.0	7.5	6.0	5.5	8.5	7.5
3	22.5	21.5	17.5	16.0	10.0	9.5	9.0	7.5	5.5	3.5	9.0	8.5
4	22.5	21.0	16.0	14.5	11.5	10.0	7.5	7.5	3.5	2.0	10.0	8.5
5	21.0	20.5	14.5	13.0	11.5	11.0	7.5	7.0	2.5	1.5	10.0	9.0
6	21.0	20.5	13.0	11.5	11.0	11.0	7.5	7.0	3.5	2.5	12.5	9.5
7	21.0	20.5	13.5	12.0	11.0	10.5	7.0	6.0	4.5	3.5	12.5	12.0
8	20.5	20.0	13.5	12.5	10.5	9.5	6.0	5.0	5.0	4.5	12.0	9.5
9	20.0	19.5	12.5	11.5	9.5	8.5	5.0	4.0	6.5	5.0	9.5	8.0
10	20.0	19.5	12.5	11.5	8.5	6.5	5.0	4.0	6.5	6.0	8.0	7.0
11	20.0	19.5	13.5	12.5	6.5	5.0	5.5	4.5	7.0	6.5	7.5	7.0
12	20.5	19.5	13.5	12.5	6.5	5.0	5.5	5.0	7.0	6.5	8.0	7.5
13	21.0	20.5	12.5	11.5	7.5	6.0	5.5	5.0	6.5	6.5	9.0	8.0
14	21.0	20.5	11.5	11.0	8.5	7.0	6.0	5.0	6.5	6.5	10.0	9.0
15	20.5	19.5	11.0	11.0	10.0	8.5	7.0	6.0	7.0	6.5	10.0	10.0
16	19.5	19.0	11.0	11.0	10.5	10.0	7.5	7.0	7.0	6.0	10.5	10.0
17	19.5	19.0	11.5	11.0	11.0	10.5	8.0	7.5	6.5	5.5	11.5	10.5
18	19.5	18.5	11.5	11.0	11.0	10.5	9.0	8.0	6.5	6.0	11.5	11.0
19	19.5	19.0	11.5	11.5	11.0	10.0	9.5	8.0	7.5	6.5	11.5	10.5
20	20.0	19.0	12.0	11.0	10.0	9.5	8.0	6.5	8.5	7.5	10.5	9.0
21	19.5	18.0	11.5	11.0	9.5	8.5	7.0	6.0	8.5	7.5	9.0	8.5
22	18.0	16.5	11.0	10.0	8.5	7.5	6.0	5.5	9.0	8.0	9.0	8.0
23	16.5	16.0	10.5	9.5	7.5	6.5	6.0	5.5	9.5	8.5	9.0	8.5
24	17.5	16.5	11.0	10.0	7.0	6.0	7.5	6.0	10.0	9.0	10.0	9.0
25	18.0	17.0	11.0	10.0	6.0	5.5	7.5	6.5	11.0	10.0	11.0	10.0
26	17.5	16.5	10.5	10.0	6.5	5.5	7.0	6.0	12.5	11.0	11.0	11.0
27	18.0	17.0	11.0	10.0	6.5	5.5	6.0	5.5	12.5	9.5	11.0	10.5
28	17.5	16.5	11.5	11.0	6.5	5.5	6.0	6.0	11.0	10.0	10.5	10.0
29	17.0	15.0	11.5	10.5	6.5	5.5	6.0	6.0	11.0	9.0	10.5	10.0
30	15.0	14.5	10.5	10.0	6.5	5.5	6.5	6.0	---	---	10.5	10.5
31	14.5	14.0	---	---	6.5	5.5	6.5	6.5	---	---	11.0	10.5
MONTH	22.5	14.0	17.5	9.5	11.5	5.0	9.5	4.0	12.5	1.5	12.5	7.0

MOBILE RIVER BASIN

02397100 COOSA RIVER AT STATE HIGHWAY 100, NEAR COOSA, GA.

LOCATION.--Lat 34°15'55", long 85°21'20", Floyd County, Hydrologic Unit 03150105, at bridge on State Highway 100, near Coosa.

DRAINAGE AREA.--4110 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: February 1986 to September 1987.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 40.0° C, July 23, 1986; minimum recorded, 5.5° C, January 29, 1987.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	1200	30400	72	69	7.2	7.8	7.0	4.0	12.7	107
FEB 13...	0930	17800	90	84	7.3	7.0	8.0	-2.0	12.4	107
MAR 12...	0915	29700	77	73	7.2	7.0	8.0	-2.0	12.4	106
APR 09...	0850	8160	167	164	7.6	6.8	12.0	5.0	9.5	90
MAY 14...	0845	4310	159	147	7.5	7.6	18.0	13.0	8.0	86
JUN 11...	0850	10800	132	125	7.3	7.2	21.0	17.0	7.5	86
JUL 01...	0830	2540	149	145	7.6	7.2	26.0	24.0	5.3	67
AUG 13...	0830	8310	95	101	7.8	7.0	24.0	21.0	6.2	75
SEP 10...	0810	2920	157	158	7.5	7.4	25.0	22.0	5.1	63

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	58	1.7	3300	30	29	0.290	<0.030	0.140	5.0
FEB 13...	38	<1.0	490	21	55	0.420	0.060	0.170	3.0
MAR 12...	33	1.3	330	26	34	0.330	0.360	0.110	4.0
APR 09...	17	1.1	490	48	28	0.510	<0.030	0.070	3.0
MAY 14...	10	<1.0	40	54	19	0.520	<0.030	0.110	2.0
JUN 11...	96	1.9	4900	43	153	0.530	0.040	0.280	6.0
JUL 01...	9.0	<1.0	50	45	15	0.370	<0.030	0.100	4.0
AUG 13...	160	2.4	3300	29	270	0.340	0.090	0.340	7.0
SEP 10...	14	<1.0	2300	49	27	0.440	<0.030	0.200	2.0

MOBILE RIVER BASIN

02397410 CEDAR CREEK AT CEDARTOWN, GA.

LOCATION.--Lat 33°59'45", long 85°15'53", Polk County, Hydrologic Unit 03150105, at right downstream bridge pier on Georgia Avenue at Cedartown, 1.1 mi downstream from Pumpkin Pile Creek, and at mile 29.9.

DRAINAGE AREA.--66.9 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 758.88 ft above sea level.

REMARKS.--Records good to fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 4, 1979, reached a stage of 21.1 ft from floodmarks, discharge, 16,500 ft³/s from rating curve extended above 4,500 ft³/s on basis of contracted-opening and flow-over-road computation of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	1000	*6,830	*17.97	Feb. 2	1900	2,440	12.81
Nov. 7	1930	2,220	12.22	Mar. 6	1615	3,400	14.83
Jan. 27	0645	5,220	17.13				

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	18	38	48	73	257	83	188	89	38	27	90	22
2	18	105	47	88	1520	79	143	83	36	26	103	23
3	39	134	46	96	1010	73	125	79	38	26	41	23
4	947	94	46	80	414	70	114	74	37	26	30	23
5	3640	81	45	75	264	68	106	68	35	26	34	24
6	613	78	44	110	225	1900	104	66	33	26	40	23
7	256	1010	45	251	206	2360	99	68	33	26	31	22
8	144	704	43	165	195	812	93	63	65	36	27	23
9	110	221	81	134	174	443	88	58	328	52	27	23
10	90	144	67	123	147	307	81	53	113	36	25	24
11	73	805	57	116	135	216	78	65	89	31	28	24
12	61	450	54	213	119	187	76	69	81	29	94	23
13	56	212	51	150	110	164	76	57	74	29	65	24
14	56	158	49	125	108	146	76	50	66	27	46	24
15	54	119	47	110	103	136	82	45	59	34	37	24
16	50	100	49	100	96	126	75	45	51	35	33	65
17	47	89	47	95	91	115	69	43	46	29	29	115
18	46	78	73	93	88	107	65	41	42	30	26	41
19	44	75	630	152	86	247	64	39	39	28	23	32
20	44	70	228	112	122	153	105	37	40	25	23	26
21	43	66	155	101	105	130	160	35	36	25	23	36
22	42	63	128	92	95	116	121	34	34	25	22	50
23	40	60	111	88	90	105	106	34	32	22	22	40
24	40	58	99	139	84	99	98	36	36	21	22	35
25	38	56	92	125	78	107	92	61	38	23	22	31
26	38	54	87	668	76	103	128	37	35	25	23	28
27	41	53	83	3130	74	100	112	35	32	19	27	28
28	50	52	79	724	101	270	95	98	30	19	24	48
29	41	52	74	429	91	212	89	76	29	18	23	48
30	39	49	72	348	---	162	100	63	28	19	22	42
31	38	---	72	359	---	152	---	46	---	18	22	---
TOTAL	6856	5328	2849	8664	6264	9348	3008	1747	1673	838	1104	1014
MEAN	221	178	91.9	279	216	302	100	56.4	55.8	27.0	35.6	33.8
MAX	3640	1010	630	3130	1520	2360	188	98	328	52	103	115
MIN	18	38	43	73	74	68	64	34	28	18	22	22
CFSM	3.31	2.65	1.37	4.18	3.23	4.51	1.50	.84	.83	.40	.53	.51
IN.	3.81	2.96	1.58	4.82	3.48	5.20	1.67	.97	.93	.47	.61	.56

MOBILE RIVER BASIN

02397410 CEDAR CREEK AT CEDARTOWN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	43.4	61.8	95.4	139	183	191	123	78.7	44.0	45.0	34.3	28.8
MAX	221	226	292	330	468	497	308	199	120	189	132	112
(WY)	1996	1993	1983	1993	1990	1990	1982	1991	1989	1989	1984	1992
MIN	12.3	13.9	12.9	25.3	51.6	30.9	23.5	18.1	12.0	13.7	15.0	12.4
(WY)	1989	1988	1989	1986	1986	1988	1986	1986	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1981 - 1996	
ANNUAL TOTAL	33897		48693			
ANNUAL MEAN	92.9		133		88.8	
HIGHEST ANNUAL MEAN					155	
LOWEST ANNUAL MEAN					29.9	
HIGHEST DAILY MEAN	3640	Oct 5	3640	Oct 5	4580	Mar 16 1990
LOWEST DAILY MEAN	14	Sep 7	18	Oct 1	10	a
ANNUAL SEVEN-DAY MINIMUM	14	Sep 6	20	Jul 25	11	Jun 12 1988
INSTANTANEOUS PEAK FLOW			6830	Oct 5	7910	Mar 16 1990
INSTANTANEOUS PEAK STAGE			17.97	Oct 5	18.36	Mar 16 1990
ANNUAL RUNOFF (CFSM)	1.39		1.99		1.33	
ANNUAL RUNOFF (INCHES)	18.85		27.08		18.04	
10 PERCENT EXCEEDS	147		208		170	
50 PERCENT EXCEEDS	40		65		39	
90 PERCENT EXCEEDS	17		24		16	

a Aug 6, 1986, June 17, 18, 24, Aug 19, and Oct 7, 8, 1988.

MOBILE RIVER BASIN

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on Cave Springs Road, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.

DRAINAGE AREA.--115 mi².

PERIOD OF RECORD.--February 1968 to February 1994, January 1996 to September 1996.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Water-discharge records for the water years 1943-73 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 11...	1100	155	175	161	7.4	7.5	7.5	5.0	11.1	95
FEB 14...	0900	155	195	185	7.7	7.4	10.0	9.0	10.2	93
MAR 13...	0805	270	156	149	7.4	7.4	9.0	0.0	10.5	93
APR 10...	0800	103	208	197	7.6	7.7	10.0	0.0	9.9	90
MAY 15...	0800	50	247	230	7.7	7.6	17.0	17.0	8.2	87
JUN 12...	0810	90	218	201	7.6	7.5	19.0	19.0	7.6	84
JUL 02...	0800	40	273	263	7.6	7.4	23.0	23.0	6.1	73
AUG 14...	0750	90	247	244	7.7	7.6	20.0	19.0	7.4	83
SEP 11...	0745	42	296	294	7.8	7.6	20.0	20.0	7.2	81

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 11...	7.0	<1.0	3300	100	75	0.490	0.040	0.040	<1.0
FEB 14...	5.0	<1.0	<24	--	85	0.610	<0.030	0.060	2.0
MAR 13...	9.0	1.2	2200	--	67	0.470	0.050	0.050	2.0
APR 10...	4.0	3.6	35000	--	95	0.470	0.110	0.030	<1.0
MAY 15...	5.0	<1.0	700	--	114	0.570	<0.030	0.120	2.0
JUN 12...	10	<1.0	<44500	--	97	0.450	<0.030	0.090	3.0
JUL 02...	6.0	<1.0	4900	--	125	0.800	0.070	0.070	2.0
AUG 14...	4.0	<1.0	490	--	112	0.580	<0.030	0.100	3.0
SEP 11...	1.0	<1.0	490	--	132	0.640	<0.030	0.180	2.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County, Ga.-Cherokee County, Ala., Hydrologic Unit 03150105, 6.5 mi southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.

REMARKS.--Flow regulated by Allatoona Reservoir and by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400, and 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 81341 are by the Environmental Protection Division of the Georgia Department of Natural Resources. Field determinations Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen with collecting agency code 1028 are by the U.S. Geological Survey. Field determinations of Discharge are by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 265 microsiemens Dec. 3, 1987; minimum recorded, 32 microsiemens Apr. 15, 1979.

pH: Maximum recorded, 10.4 units July 9, 1993; minimum recorded, 6.1 units Sept. 22, 1992.

WATER TEMPERATURE: Maximum recorded, 36.5°C July 25, 1986; minimum recorded, 1.0°C Jan. 13, 1982.

DISSOLVED OXYGEN: Maximum recorded, 16.0 mg/L Aug. 17, 1993; minimum recorded, 0.4 mg/L July 14, 1993.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 222 microsiemens, July 12; minimum, 52 microsiemens, Jan. 28.

pH: Maximum, 8.8 units, July 1; minimum, 6.8 units, Oct. 7, Aug. 14.

WATER TEMPERATURE: Maximum, 33.0°C, July 24; minimum, 2.0°C, Feb. 5.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L, July 1; minimum, 4.5 mg/L Oct. 7, 8, 11.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT									
12...	0850	117	112	7.1	7.0	20.0	15.0	5.0	56
NOV									
27...	0900	124	115	7.9	7.5	11.0	14.0	9.6	89
DEC									
14...	0800	139	135	7.7	7.5	8.0	12.0	10.9	94
JAN									
04...	0850	150	147	7.7	7.5	8.0	0.0	10.4	89
FEB									
13...	0915	87	82	7.5	7.2	7.0	-3.0	10.7	90
MAR									
12...	0845	73	71	7.5	7.0	7.5	-3.0	9.9	84
APR									
09...	0815	129	127	7.6	7.3	12.5	3.0	9.1	87
MAY									
14...	0820	129	120	7.5	7.2	19.5	12.0	7.9	87
JUN									
11...	0810	133	127	7.4	7.2	21.0	17.0	6.0	69
JUL									
01...	0800	130	126	8.0	7.7	26.5	22.0	8.9	113
AUG									
13...	0750	133	135	7.2	7.4	24.5	21.0	5.6	69
SEP									
10...	0745	143	145	7.5	7.4	27.5	22.0	6.7	87

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 12...	22	27	1.6	490	48	40	50
NOV 27...	14	20	<1.0	1200	30	42	10
DEC 14...	15	14	<1.0	3300	50	48	11
JAN 04...	20	15	1.2	--	60	53	19
FEB 13...	32	6	<1.0	790	--	28	27
MAR 12...	38	16	1.6	790	--	24	28
APR 09...	10	18	1.1	490	--	46	13
MAY 14...	18	<5	<1.0	<20	--	45	29
JUN 11...	64	19	1.6	940	--	46	131
JUL 01...	11	16	1.9	<20	--	45	14
AUG 13...	50	16	1.5	1700	--	48	59
SEP 10...	8.0	9	<1.0	90	--	47	13

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	0.250	0.040	0.46	0.50	0.75	0.140	6.0
NOV 27...	0.440	<0.030	0.30	0.30	0.74	0.080	3.0
DEC 14...	0.460	<0.030	0.50	0.50	0.96	0.130	4.0
JAN 04...	0.550	0.040	0.56	0.60	1.2	0.190	4.0
FEB 13...	0.430	0.050	0.25	0.30	0.73	0.110	2.0
MAR 12...	0.320	0.170	0.23	0.40	0.72	0.120	4.0
APR 09...	0.440	<0.030	0.20	0.20	0.64	0.080	2.0
MAY 14...	0.460	<0.030	0.45	0.45	0.91	0.140	2.0
JUN 11...	0.710	0.080	0.42	0.50	1.2	0.220	4.0
JUL 01...	0.220	<0.030	0.40	0.40	0.62	0.090	3.0
AUG 13...	0.410	0.070	0.43	0.50	0.91	0.190	4.0
SEP 10...	0.320	<0.030	0.30	0.30	0.62	0.100	2.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	147	127	214	198	138	117	142	113	81	70	121	104
2	166	146	206	178	146	116	163	140	86	77	128	109
3	158	139	181	138	147	126	165	147	86	72	131	111
4	189	112	163	133	155	127	154	146	75	71	146	118
5	112	72	174	152	157	153	154	131	78	74	160	144
6	75	67	173	146	170	155	133	126	78	75	162	90
7	79	67	146	120	168	145	139	129	80	77	90	64
8	84	79	120	83	152	146	130	120	79	77	67	62
9	87	83	98	85	149	140	131	113	81	79	62	58
10	112	87	99	88	154	138	114	109	91	81	61	58
11	112	99	101	89	176	154	113	100	93	89	73	61
12	127	110	94	79	190	159	117	100	90	86	75	72
13	151	127	88	81	165	137	118	99	87	86	81	75
14	150	96	90	86	149	137	125	100	87	83	81	79
15	106	88	90	89	154	139	132	125	86	84	83	79
16	102	85	90	87	158	143	142	132	88	85	86	81
17	100	83	87	85	160	147	144	132	89	85	88	83
18	110	89	87	86	185	160	137	129	109	89	94	86
19	108	87	91	87	197	162	142	132	128	109	101	92
20	111	90	104	90	162	115	136	120	150	128	95	90
21	112	89	108	89	133	117	127	116	142	98	95	91
22	112	101	110	99	125	118	122	116	118	102	97	91
23	101	94	113	101	126	116	138	117	115	102	98	94
24	154	96	111	97	125	114	131	102	112	98	97	95
25	182	154	110	100	130	123	116	104	113	97	101	93
26	187	150	114	103	157	129	124	106	126	113	103	96
27	157	143	133	109	151	104	107	54	154	126	---	---
28	152	142	153	133	121	106	56	52	154	106	---	---
29	155	138	164	121	121	105	61	55	121	105	---	---
30	155	140	134	113	120	106	66	61	---	---	---	---
31	199	153	---	---	117	107	70	65	---	---	---	---
MONTH	199	67	214	79	197	104	165	52	154	70	162	58

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.0	7.7	7.7	7.5	7.7	7.6	7.7	7.6	7.2	7.1	7.8	7.7
2	7.9	7.6	7.8	7.7	7.7	7.6	7.6	7.5	7.3	7.2	7.9	7.8
3	7.8	7.6	7.7	7.5	7.7	7.7	7.6	7.5	7.3	7.3	7.9	7.8
4	7.8	7.3	7.6	7.5	7.7	7.6	7.6	7.5	7.4	7.3	7.9	7.8
5	7.3	6.9	7.6	7.5	7.6	7.6	7.7	7.6	7.5	7.4	7.8	7.7
6	7.0	6.9	7.6	7.5	7.7	7.6	7.6	7.5	7.5	7.4	7.8	7.2
7	7.1	6.8	7.6	7.4	7.7	7.7	7.7	7.6	7.4	7.2	7.2	6.9
8	7.1	6.9	7.4	7.2	7.8	7.7	7.7	7.6	7.2	7.2	7.3	7.2
9	7.2	7.0	7.3	7.2	7.8	7.8	7.7	7.7	7.2	7.2	7.2	7.2
10	7.3	7.0	7.4	7.3	7.9	7.8	7.7	7.6	7.2	7.2	7.3	7.2
11	7.2	7.0	7.4	7.3	7.9	7.9	7.7	7.6	7.2	7.2	7.3	7.1
12	7.2	7.0	7.4	7.3	7.9	7.8	7.7	7.6	7.2	7.2	7.3	7.2
13	7.5	7.1	7.4	7.3	7.9	7.8	7.6	7.5	7.2	7.2	7.4	7.3
14	7.5	7.1	7.4	7.4	7.8	7.7	7.6	7.5	7.3	7.2	7.3	7.2
15	7.4	7.3	7.4	7.4	7.7	7.7	7.6	7.5	7.3	7.3	7.3	7.2
16	7.4	7.3	7.5	7.4	7.7	7.6	7.7	7.5	7.4	7.3	7.3	7.2
17	7.5	7.2	7.5	7.4	7.7	7.7	7.7	7.6	7.4	7.3	7.3	7.2
18	7.5	7.4	7.4	7.4	7.8	7.7	7.6	7.5	7.4	7.3	7.3	7.2
19	7.5	7.3	7.4	7.2	7.8	7.7	7.7	7.6	7.4	7.4	7.4	7.1
20	7.4	7.2	7.5	7.2	7.7	7.6	7.7	7.7	7.6	7.4	7.5	7.4
21	7.4	7.3	7.5	7.3	7.7	7.6	7.7	7.7	7.6	7.4	7.5	7.4
22	7.5	7.3	7.5	7.4	7.7	7.7	7.7	7.6	7.5	7.4	7.5	7.5
23	7.4	7.2	7.5	7.5	7.8	7.7	7.8	7.6	7.5	7.4	7.6	7.5
24	7.4	7.2	7.5	7.5	7.8	7.8	7.7	7.5	7.4	7.3	7.6	7.5
25	7.5	7.4	7.5	7.5	7.8	7.8	7.6	7.6	7.5	7.4	7.5	7.4
26	8.0	7.5	7.6	7.5	8.0	7.8	7.7	7.5	7.5	7.4	7.4	7.3
27	8.0	7.8	7.6	7.5	8.0	7.8	7.5	7.1	7.6	7.4	---	---
28	7.9	7.8	7.6	7.5	7.8	7.8	7.1	7.0	7.6	7.4	---	---
29	7.8	7.7	7.7	7.6	7.8	7.8	7.0	7.0	7.7	7.5	---	---
30	7.7	7.6	7.7	7.6	7.8	7.7	7.1	7.0	---	---	---	---
31	7.6	7.6	---	---	7.8	7.7	7.1	7.0	---	---	---	---
MONTH	8.0	6.8	7.8	7.2	8.0	7.6	7.8	7.0	7.7	7.1	7.9	6.9

[illegible]

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.0	23.0	16.5	16.0	11.0	10.5	6.5	6.0	7.0	6.5	11.0	9.5
2	25.5	23.5	17.0	16.0	10.5	10.0	8.0	6.5	6.5	6.0	9.5	8.5
3	24.5	23.5	18.5	16.5	11.0	10.5	9.0	8.0	6.0	4.0	9.0	8.5
4	25.0	21.5	17.5	15.5	11.0	10.5	8.5	7.5	4.0	2.5	10.0	8.5
5	21.5	21.0	15.5	14.5	11.5	11.0	8.0	7.5	2.5	2.0	10.5	9.5
6	21.5	21.0	14.5	13.5	12.0	11.5	7.5	7.5	3.5	2.5	11.5	10.0
7	21.5	21.0	13.5	12.0	12.0	11.5	7.5	6.5	4.5	3.5	---	---
8	21.0	20.5	13.5	12.5	11.5	10.5	6.5	5.5	6.0	4.5	---	---
9	20.5	20.5	13.0	12.5	10.5	9.5	5.5	4.5	6.5	6.0	---	---
10	20.5	20.0	13.0	11.5	9.5	9.0	5.0	4.5	7.0	6.5	---	---
11	21.0	20.0	13.0	12.0	9.0	7.0	5.5	4.5	8.0	7.0	---	---
12	21.0	20.0	13.5	12.5	7.0	6.0	5.5	5.0	8.0	7.5	8.0	7.0
13	21.0	21.0	12.5	12.0	6.5	6.0	6.0	5.0	7.5	7.0	9.0	8.0
14	21.5	21.0	12.0	11.0	8.5	6.5	6.0	5.5	7.5	7.0	10.0	9.0
15	21.0	20.5	11.0	10.5	10.0	7.5	7.0	6.0	7.5	7.0	10.5	10.0
16	20.5	19.5	11.0	10.5	11.5	9.0	8.0	6.5	7.5	7.0	11.0	10.0
17	20.0	19.5	11.5	10.5	11.5	10.5	8.5	8.0	7.0	6.0	12.0	11.0
18	20.0	19.5	11.5	11.0	11.5	11.5	9.0	8.5	6.5	6.0	12.5	11.5
19	20.0	19.0	11.5	11.0	12.5	11.0	9.0	9.0	7.5	6.5	12.5	11.5
20	20.5	19.5	12.0	11.5	11.0	10.0	9.0	8.0	9.0	7.5	11.5	10.0
21	20.0	19.0	12.0	11.5	10.0	9.0	8.0	7.0	9.0	8.0	10.0	9.5
22	21.0	18.5	11.5	11.0	9.0	8.0	7.5	6.5	9.5	8.5	9.5	9.0
23	20.0	18.5	11.0	10.5	8.0	7.0	7.0	6.5	10.0	9.0	10.0	9.0
24	19.0	18.0	10.5	10.5	7.0	6.5	7.5	7.0	10.5	9.5	10.5	9.5
25	18.0	17.0	11.0	10.5	6.5	6.0	8.5	7.5	11.0	9.5	11.5	10.5
26	18.0	17.0	11.5	10.5	6.0	5.5	7.5	7.0	11.5	10.5	11.5	11.0
27	18.0	17.5	11.0	11.0	6.5	5.5	7.0	6.0	13.5	11.5	---	---
28	17.5	17.5	11.0	11.0	6.5	5.5	6.5	6.0	13.0	11.0	---	---
29	17.5	17.0	11.5	11.0	6.0	5.5	6.5	6.0	11.5	10.5	---	---
30	17.0	16.5	11.5	11.0	6.0	5.5	6.5	6.0	---	---	---	---
31	16.5	15.5	---	---	6.5	5.5	7.0	6.5	---	---	---	---
MONTH	25.5	15.5	18.5	10.5	12.5	5.5	9.0	4.5	13.5	2.0	12.5	7.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.5	6.9	8.1	7.7	9.8	9.4	11.1	10.7	10.0	9.6	9.5	9.3
2	8.2	6.8	8.4	8.1	9.9	9.7	11.1	10.8	10.1	10.0	9.5	9.4
3	7.8	6.8	8.1	7.6	9.9	9.8	10.8	10.3	10.7	10.1	9.7	9.4
4	7.0	6.1	7.8	7.5	9.9	9.6	10.4	10.3	11.0	10.7	9.6	9.5
5	6.3	5.1	7.9	7.5	9.7	9.6	10.7	10.3	11.5	11.0	9.8	9.4
6	5.3	5.0	8.1	7.7	9.7	9.3	10.8	10.7	11.5	11.4	9.8	8.8
7	5.0	4.5	9.0	8.1	9.4	9.2	10.9	10.7	11.5	11.2	---	---
8	4.6	4.5	8.7	8.2	9.9	9.4	11.0	10.8	11.7	11.4	---	---
9	5.2	4.6	8.7	8.4	10.0	9.9	11.4	11.0	11.6	11.4	---	---
10	5.7	5.2	8.9	8.4	10.1	10.0	11.7	11.4	11.5	11.0	---	---
11	5.5	4.5	8.9	8.3	10.7	10.1	11.7	11.6	11.0	10.9	10.3	9.9
12	6.0	4.6	8.4	8.2	11.0	10.7	11.7	11.5	10.9	10.7	9.9	9.5
13	7.3	6.0	8.6	8.2	11.2	11.0	11.6	11.5	10.7	10.6	9.7	9.6
14	7.2	6.8	9.2	8.5	11.1	10.8	11.6	11.5	11.1	10.7	9.8	9.6
15	7.3	6.9	9.2	9.0	10.9	10.7	11.5	11.2	11.1	11.0	10.2	9.8
16	7.7	7.1	9.8	9.5	10.7	10.4	11.2	11.0	11.0	10.7	10.3	10.1
17	7.8	7.4	9.9	9.6	10.4	10.0	11.1	10.5	11.0	10.7	10.3	10.1
18	7.9	7.4	10.1	9.7	10.0	9.6	10.8	10.4	10.9	10.7	10.3	10.2
19	7.9	7.6	9.7	9.2	9.7	9.5	10.5	10.0	10.7	10.6	10.3	10.1
20	7.9	7.5	9.5	9.0	9.7	9.5	10.5	9.9	10.6	10.2	10.2	10.0
21	7.8	7.4	9.5	9.1	9.9	9.5	10.7	10.3	10.3	10.2	10.4	9.9
22	8.3	7.6	9.6	9.1	10.3	9.9	10.9	10.5	10.4	10.2	10.7	10.3
23	8.0	7.5	9.7	9.5	10.8	10.3	11.1	10.3	10.4	10.2	10.8	10.5
24	7.6	7.2	9.8	9.7	10.9	10.8	11.2	10.9	10.4	10.1	10.9	10.6
25	7.9	7.5	9.8	9.6	11.0	10.8	11.0	10.4	10.1	9.9	10.9	10.6
26	8.2	7.7	9.7	9.6	11.4	11.0	11.1	10.7	9.9	9.8	10.6	9.9
27	8.2	7.9	9.7	9.5	11.3	11.1	10.8	10.5	9.8	9.5	---	---
28	8.2	8.1	9.6	9.2	11.3	11.1	10.5	10.1	9.9	9.6	---	---
29	8.2	7.7	9.5	9.2	11.4	11.1	10.2	9.9	9.8	9.3	---	---
30	7.8	7.7	9.5	9.3	11.5	11.2	9.9	9.7	---	---	---	---
31	7.9	7.7	---	---	11.4	10.9	9.8	9.6	---	---	---	---
MONTH	8.5	4.5	10.1	7.5	11.5	9.2	11.7	9.6	11.7	9.3	10.9	8.8

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

[illegible]

MOBILE RIVER BASIN

02397845 SPRING CREEK NEAR TRION, GA.

LOCATION.--Lat 34°35'04", long 85°21'55", Chattooga County, Hydrologic Unit 03150105, at bridge on State Highway 337, 1.0 mi upstream from mouth, and 4.0 mi northwest of Trion.

DRAINAGE AREA.--24.0 mi².

PERIOD OF RECORD.--July 1975 to June 1977, July 1990 to January 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	1030	145	80	75	7.4	7.9	9.0	3.5	12.9	115
FEB 13...	0745	85	88	83	7.5	7.2	6.0	-5.0	13.4	110
MAR 12...	0720	95	89	89	7.5	7.2	6.0	-4.0	13.4	110
APR 09...	0630	38	111	108	7.6	7.2	10.0	3.0	9.8	89
MAY 14...	0645	20	154	140	7.7	7.3	12.0	10.0	8.9	84
JUN 11...	0650	8.9	191	183	7.7	7.7	17.0	17.0	7.0	75
JUL 01...	0630	2.2	231	226	7.7	7.4	19.5	22.0	6.6	74
AUG 13...	0630	2.2	220	222	8.0	7.6	19.5	20.0	6.6	74
SEP 10...	0630	1.1	191	193	7.6	7.5	19.0	22.0	6.7	74

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	6.0	<1.0	110	32	35	0.250	<0.030	<0.020	2.0
FEB 13...	3.0	<1.0	80	--	37	0.250	<0.030	<0.020	<1.0
MAR 12...	3.0	<1.0	<20	--	36	0.280	<0.030	<0.020	<1.0
APR 09...	3.0	<1.0	490	--	48	0.230	<0.030	<0.020	<1.0
MAY 14...	6.0	<1.0	330	--	69	0.310	<0.030	<0.020	<1.0
JUN 11...	7.0	<1.0	2200	--	87	0.270	<0.030	<0.020	<1.0
JUL 01...	5.0	<1.0	790	--	108	0.320	<0.030	--	<1.0
AUG 13...	5.0	<1.0	490	--	105	0.320	<0.030	<0.020	<1.0
SEP 10...	5.0	<1.0	1700	--	87	0.290	<0.030	0.040	2.0

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft above sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good to fair, except those for periods of estimated daily discharge, which are fair. Low and medium flow had previously been regulated by a powerplant at Trion, 6 mi upstream from the station, but is now no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 6	unknown	*12,000	*17.78	Mar. 7	2200	7,610	15.82
Jan. 27	1500	11,900	17.73	Apr. 21	1800	3,190	12.02
Feb. 2	2000	3,160	11.95				

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	e90	153	e220	322	898	312	1570	443	158	120	212	105
2	e85	322	e210	534	2160	299	1100	416	158	119	147	108
3	e90	628	e205	846	1810	280	872	381	162	121	131	119
4	e300	467	e200	580	1070	260	738	335	156	118	123	112
5	e4200	362	e205	477	832	253	647	305	153	118	116	109
6	e5000	332	209	613	711	3100	582	285	149	113	113	115
7	918	1630	209	1790	641	6140	534	277	147	113	111	125
8	667	1810	204	1090	642	3900	492	259	149	121	108	174
9	452	850	546	787	1020	1460	465	246	199	127	106	143
10	339	638	500	663	900	1070	427	235	176	119	105	141
11	270	1450	398	588	764	851	398	369	157	114	135	214
12	236	1510	349	744	657	724	355	318	197	113	164	153
13	220	858	314	670	588	641	329	e240	247	110	134	138
14	216	677	285	585	551	576	313	e225	245	109	117	127
15	213	549	260	541	517	552	302	218	180	115	112	121
16	180	459	246	496	472	634	288	217	158	116	107	e180
17	166	396	235	478	436	655	269	208	150	110	105	e500
18	156	359	240	461	418	537	258	202	145	109	106	223
19	147	331	983	1030	396	1250	339	194	143	108	105	177
20	142	298	708	723	e680	904	1000	190	165	107	102	159
21	136	274	542	605	e680	739	2810	184	161	136	101	152
22	130	239	458	519	566	644	1680	179	149	137	99	184
23	124	234	392	468	501	574	1040	173	140	119	101	161
24	120	224	348	614	448	515	795	169	135	110	99	146
25	116	215	314	556	398	512	667	175	134	146	98	139
26	114	207	287	1400	375	504	679	170	129	176	99	135
27	139	204	266	9640	355	448	609	168	128	126	129	128
28	294	208	248	3260	356	1690	495	197	126	120	123	184
29	208	256	236	1470	338	1420	459	179	124	116	111	233
30	172	246	228	1100	---	1030	496	168	121	112	105	167
31	158	---	231	1160	---	1490	---	162	---	144	103	---
TOTAL	15798	16386	10276	34810	20180	33964	21008	7487	4741	3742	3627	4872
MEAN	510	546	331	1123	696	1096	700	242	158	121	117	162
MAX	5000	1810	983	9640	2160	6140	2810	443	247	176	212	500
MIN	85	153	200	322	338	253	258	162	121	107	98	105
CFSM	2.65	2.84	1.73	5.85	3.62	5.71	3.65	1.26	.82	.63	.61	.85
IN.	3.06	3.17	1.99	6.74	3.91	6.58	4.07	1.45	.92	.73	.70	.94

e Estimated

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	154	247	388	586	700	749	512	330	196	193	140	154
MAX	679	1150	1420	1709	2187	1970	1103	1029	738	709	497	1309
(WY)	1990	1949	1968	1947	1990	1980	1979	1984	1989	1989	1984	1950
MIN	59.2	61.2	73.4	106	157	166	129	90.6	71.2	65.0	68.4	63.2
(WY)	1955	1988	1988	1981	1941	1988	1986	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1937 - 1996	
ANNUAL TOTAL	130339		176891			
ANNUAL MEAN	357		483		361	
HIGHEST ANNUAL MEAN					628	
LOWEST ANNUAL MEAN					133	
HIGHEST DAILY MEAN	7760		9640		19600	
LOWEST DAILY MEAN	69		85		a38	
ANNUAL SEVEN-DAY MINIMUM	71		100		54	
INSTANTANEOUS PEAK FLOW			12000		30100	
INSTANTANEOUS PEAK STAGE			17.78		22.63	
INSTANTANEOUS LOW FLOW					c38	
ANNUAL RUNOFF (CFSM)	1.86		2.52		1.88	
ANNUAL RUNOFF (INCHES)	25.25		34.27		25.54	
10 PERCENT EXCEEDS	675		937		710	
50 PERCENT EXCEEDS	200		245		180	
90 PERCENT EXCEEDS	85		113		83	

a During period affected by regulation.

b Oct 17, 1937 and Nov 9, 1939.

c After regulation was discontinued.

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 31...	1000	1250	162	150	7.6	8.1	9.0	2.0	12.6	112
FEB 13...	0715	596	207	199	7.7	7.7	6.0	-5.0	13.2	108
MAR 12...	0645	744	189	182	7.7	7.5	8.0	-4.0	12.8	110
APR 09...	0600	476	283	274	7.7	7.7	11.0	3.0	9.5	88
MAY 14...	0620	229	372	346	7.9	7.7	15.0	9.0	8.7	88
JUN 11...	0615	157	362	342	7.9	8.0	20.0	17.0	7.1	80
JUL 01...	0700	120	318	302	7.9	7.6	22.0	22.0	6.3	74
AUG 13...	0600	142	521	524	8.1	8.0	21.0	20.0	6.6	76
SEP 10...	0600	142	529	523	7.9	7.8	22.0	22.0	6.1	72

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 31...	17	1.3	330	60	65	0.410	<0.030	0.050	3.0
FEB 13...	5.0	<1.0	50	--	75	0.370	<0.030	0.040	<1.0
MAR 12...	9.0	<1.0	130	--	70	0.380	0.070	0.040	<1.0
APR 09...	6.0	1.1	460	--	98	0.360	<0.030	0.050	<1.0
MAY 14...	60	1.6	1300	--	134	0.450	<0.030	0.200	2.0
JUN 11...	8.0	<1.0	1300	--	135	0.390	<0.030	0.110	2.0
JUL 01...	7.0	<1.0	460	--	120	0.420	0.060	0.060	2.0
AUG 13...	15	1.1	790	--	156	0.420	0.040	0.160	3.0
SEP 10...	24	1.0	900	--	160	0.510	0.050	0.230	4.0

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at bridge on Holland-Chattoogaville Road, 0.4 mi downstream from Hinton Creek, and 0.7 mi south of Chattoogaville.

DRAINAGE AREA.--281 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations OF Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT										
12...	0815	335	296	278	7.6	7.7	18.0	14.0	7.5	81
NOV										
27...	0830	265	317	294	7.8	7.8	11.0	14.0	10.5	98
DEC										
14...	0730	390	289	281	7.7	7.8	9.0	12.0	11.4	100
JAN										
04...	0815	800	186	183	7.5	7.6	8.0	0.0	11.6	100
FEB										
13...	0830	750	207	197	7.6	7.6	7.0	-4.0	11.8	99
MAR										
12...	0800	990	194	185	7.6	7.5	7.0	-3.0	11.8	99
APR										
09...	0730	600	242	230	7.5	7.5	11.0	3.0	9.6	89
MAY										
14...	0740	285	252	232	7.7	7.6	16.0	9.0	8.8	91
JUN										
11...	0730	215	370	349	7.7	7.7	20.0	17.0	6.9	78
JUL										
01...	0730	160	474	454	7.6	7.5	24.0	21.0	6.1	74
AUG										
13...	0720	200	414	415	8.0	7.6	22.0	20.0	7.7	90
SEP										
10...	0705	183	385	387	7.7	7.6	22.0	22.0	7.8	91

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	8.0	1.7	630	110	98	14	0.440	0.070	0.270	3.0
NOV										
27...	4.0	<1.0	230	120	119	3	0.510	0.080	0.230	2.0
DEC										
14...	6.0	<1.0	490	100	101	7	0.460	0.030	0.250	3.0
JAN										
04...	36	1.3	790	80	70	35	0.320	0.080	0.150	4.0
FEB										
13...	6.0	<1.0	40	--	76	7	0.380	0.050	0.140	2.0
MAR										
12...	11	1.4	230	--	73	23	0.420	0.140	0.120	2.0
APR										
09...	7.0	1.3	50	--	90	15	0.380	0.070	0.110	2.0
MAY										
14...	11	<1.0	220	--	100	19	0.500	0.210	0.260	3.0
JUN										
11...	7.0	1.4	330	--	130	17	0.600	0.140	0.450	3.0
JUL										
01...	8.0	1.8	<20	--	147	24	0.630	0.100	0.680	4.0
AUG										
13...	15	1.6	460	--	130	26	0.590	0.140	0.470	4.0
SEP										
10...	5.0	1.0	80	--	125	28	0.820	0.110	0.700	3.0

MOBILE RIVER BASIN

02411850 TALLAPOOSA RIVER NEAR FELTON, GA.

LOCATION.--Lat 33°51'48", long 85°12'49", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 27, 3.4 mi downstream from Little River and 1.7 mi south of Felton.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 11...	1145	185	37	37	--	6.5	3.5	7.5	12.5	98
FEB 14...	1000	355	33	32	7.5	6.7	7.0	10.0	10.8	93
MAR 13...	0900	335	31	31	7.1	6.6	7.0	4.0	10.8	92
APR 10...	0830	220	34	33	7.3	6.8	9.0	2.0	11.0	97
MAY 15...	0830	113	38	37	7.4	7.0	17.0	17.0	7.8	83
JUN 12...	0845	116	37	35	7.2	6.6	20.0	20.0	7.0	80
JUL 02...	0830	40	41	42	7.4	6.6	24.0	24.0	5.8	72
AUG 14...	0820	80	41	43	7.4	7.0	21.0	19.0	6.8	78
SEP 11...	0825	49	43	45	7.2	7.0	21.0	20.0	6.7	77

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 11...	7.0	1.6	80	10	5	0.180	0.040	<0.020	2.0
FEB 14...	10	<1.0	80	10	6	0.170	<0.030	0.030	2.0
MAR 13...	19	<1.0	80	6	17	0.170	<0.030	0.040	2.0
APR 10...	7.0	<1.0	<210	11	8	0.120	0.060	<0.020	2.0
MAY 15...	8.0	<1.0	110	11	6	0.160	0.050	<0.020	3.0
JUN 12...	15	<1.0	230	10	13	0.150	<0.030	0.040	4.0
JUL 02...	8.0	<1.0	210	14	5	0.140	<0.030	<0.020	2.0
AUG 14...	21	<1.0	<1200	14	15	0.140	<0.030	<0.020	5.0
SEP 11...	14	<1.0	1100	15	12	0.120	<0.030	0.030	3.0

MOBILE RIVER BASIN

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA.

LOCATION.--Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 78, 0.4 mi upstream from Walker Creek, and 2.7 mi west of Tallapoosa.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to September 1996.

REVISED RECORDS.--WDR GA-80-1: Drainage area.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 10...	0845	400	36	36	6.9	6.5	3.0	-1.0	6.9	53
FEB 15...	0600	360	34	32	6.8	6.7	9.0	12.0	7.2	65
MAR 14...	0500	730	32	30	6.6	6.5	10.0	8.0	6.8	62
APR 11...	0500	330	34	33	7.0	6.2	11.0	3.0	10.2	95
MAY 16...	0500	255	37	38	7.0	6.6	18.0	18.0	8.3	90
JUN 13...	0500	330	38	36	6.7	6.5	21.0	21.0	7.5	87
JUL 08...	0500	94	40	39	6.7	6.5	24.0	22.0	6.1	75
AUG 15...	0500	98	42	40	6.5	7.0	23.0	20.0	6.4	77
SEP 12...	0500	91	43	43	6.8	6.8	22.0	19.0	6.6	78

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 10...	8.0	<1.0	130	9	0.220	<0.030	<0.020	2.0
FEB 15...	7.0	<1.0	50	8	0.190	<0.030	<0.020	<1.0
MAR 14...	16	<1.0	<20	8	0.200	<0.030	0.040	2.0
APR 11...	7.0	1.2	50	9	0.120	<0.030	<0.020	2.0
MAY 16...	6.0	<1.0	170	12	0.160	<0.030	0.030	2.0
JUN 13...	15	<1.0	230	8	0.170	<0.030	0.030	3.0
JUL 08...	10	<1.0	330	12	0.130	<0.030	0.040	4.0
AUG 15...	20	<1.0	330	12	0.160	<0.030	0.040	3.0
SEP 12...	16	<1.0	170	14	0.140	<0.030	0.040	3.0

MOBILE RIVER BASIN

02413000 LITTLE TALLAPOOSA RIVER AT CARROLLTON, GA.

LOCATION.--Lat 33°35'50", long 85°04'49", Carroll County, Hydrologic Unit 03150108, at bridge on U.S. 27 at Carrollton, 5.8 mi upstream from Buck Creek.

DRAINAGE AREA.--95.1 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Discharge records for the period April 1937 through December 1955 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 10...	1050	235	49	51	6.8	6.4	4.0	5.0	12.3	97
FEB 15...	0735	203	39	37	6.7	6.6	9.0	13.0	10.9	99
MAR 14...	0650	400	37	35	6.6	6.5	9.0	8.0	10.8	97
APR 11...	0630	385	45	43	6.8	6.4	10.0	3.0	10.1	92
MAY 16...	0630	E140	53	49	7.0	6.7	18.0	14.0	8.4	91
JUN 13...	0630	58	55	52	7.0	6.9	22.0	19.0	7.6	90
JUL 08...	0630	45	57	54	7.0	6.8	24.0	22.0	6.7	83
AUG 15...	0630	115	56	55	6.9	7.0	23.0	20.0	7.0	84
SEP 12...	0630	105	56	54	6.9	6.8	22.0	19.0	7.2	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 10...	6.0	<1.0	<80	11	2	0.240	0.080	0.030	2.0
FEB 15...	21	<1.0	<20	9	13	0.280	0.040	0.030	3.0
MAR 14...	40	1.3	230	8	29	0.240	0.040	0.060	5.0
APR 11...	13	1.7	130	13	13	0.260	0.040	<0.020	2.0
MAY 16...	11	<1.0	220	17	11	0.220	<0.030	0.030	2.0
JUN 13...	11	1.7	490	18	18	0.180	0.040	<0.020	3.0
JUL 08...	9.0	<1.0	490	19	8	0.220	<0.030	0.030	3.0
AUG 15...	23	1.1	330	20	21	0.150	0.060	0.030	4.0
SEP 12...	8.0	<1.0	490	17	9	0.160	0.040	<0.020	3.0

MOBILE RIVER BASIN

02413160 BUFFALO CREEK NEAR ROOPVILLE, GA

LOCATION.--Lat 33°30'18", long 85°08'35", Carroll County, Hydrologic Unit 03130002, at bridge on County Road 35, 1.9 mi upstream from Little Tallapoosa River and 3.4 mi north of Roopville.

DRAINAGE AREA.--25.6 mi².

PERIOD OF RECORD.--January 1996 to September 1996.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 10...	1000	35	53	47	6.9	6.6	2.0	2.0	12.4	92
FEB 15...	0715	28	49	46	6.8	6.4	10.0	13.0	9.0	83
MAR 14...	0610	72	44	43	6.6	6.5	10.0	6.0	9.1	83
APR 11...	0600	62	52	49	6.8	6.4	9.0	3.0	9.9	88
MAY 16...	0600	24	70	65	6.9	6.6	18.0	15.0	7.8	85
JUN 13...	0600	20	69	66	6.9	6.8	21.0	20.0	7.0	81
JUL 08...	0605	12	70	68	7.0	6.8	23.0	22.0	6.3	76
AUG 15...	0600	13	71	71	7.1	6.9	21.0	20.0	7.2	83
SEP 12...	0600	12	67	66	6.7	6.8	20.0	19.0	7.4	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 10...	10	<1.0	140	14	7	0.260	0.100	<0.020	3.0
FEB 15...	7.0	<1.0	<20	11	3	0.220	<0.030	<0.020	2.0
MAR 14...	15	<1.0	<20	8	6	0.170	<0.030	0.030	4.0
APR 11...	7.0	1.4	110	15	4	0.150	0.040	<0.020	3.0
MAY 16...	20	<1.0	80	26	8	0.230	0.070	0.030	4.0
JUN 13...	15	<1.0	50	23	11	0.170	<0.030	<0.020	4.0
JUL 08...	13	<1.0	140	27	5	0.200	<0.030	0.030	3.0
AUG 15...	15	<1.0	<140	30	5	0.080	<0.030	<0.020	5.0
SEP 12...	13	<1.0	130	20	5	0.080	0.060	0.070	5.0

MOBILE RIVER BASIN

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA.

LOCATION.--Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi upstream from Indian Creek, and 3.8 mi southwest of Bowdon.

DRAINAGE AREA.--245 mi².

PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to September 1996.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
JAN 10...	0930	410	52	50	6.9	6.6	3.0	3.0	12.2	93
FEB 15...	0645	460	46	44	6.8	6.5	9.0	13.0	6.5	59
MAR 14...	0540	810	39	38	6.6	6.5	10.0	6.0	6.3	58
APR 11...	0530	350	47	45	6.8	6.4	10.0	3.0	9.8	89
MAY 16...	0530	212	55	51	7.0	6.6	18.0	18.0	7.7	84
JUN 13...	0540	182	59	56	7.0	6.7	21.0	20.0	7.1	82
JUL 08...	0535	48	71	69	7.0	7.0	24.0	22.0	6.0	74
AUG 15...	0530	330	61	60	6.8	7.1	22.5	20.0	6.9	82
SEP 12...	0530	310	74	74	6.9	6.8	22.0	19.0	6.8	81

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 10...	9.0	<1.0	220	10	0.500	0.060	<0.020	2.0
FEB 15...	13	<1.0	110	11	0.490	<0.030	0.040	2.0
MAR 14...	35	1.2	130	8	0.310	<0.030	0.070	4.0
APR 11...	11	1.4	110	11	0.380	<0.030	<0.020	2.0
MAY 16...	9.0	<1.0	130	15	0.440	<0.030	0.040	2.0
JUN 13...	10	<1.0	130	15	0.500	<0.030	0.030	3.0
JUL 08...	9.0	<1.0	330	17	0.490	0.040	0.050	3.0
AUG 15...	27	<1.0	1100	15	0.420	<0.030	0.070	4.0
SEP 12...	15	<1.0	790	16	0.890	0.060	0.080	3.0

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 CARTERS LAKE NEAR CARTERS, GA.

LOCATION.--Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 mi upstream from Talking Rock Creek, 1.3 mi east of Carters, 1.9 mi upstream from Louisville and Nashville Railway bridge, and at mile 26.8.

DRAINAGE AREA.--373 mi².

PERIOD OF RECORD.--November 1974 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by rolled rock-filled dam. Emergency spillway (crest elevation, 1,070 ft) is equipped with five tainter gates 42 ft wide by 36.6 ft high. There is one sluice 16.5 ft in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft, Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft, 472,800 acre-ft Capacity at maximum power pool elevation, 1,072 ft, 377,100 acre-ft Dead storage below elevation 1,022 ft, 242,200 acre-ft Lake is used for flood control and power. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 472,400 acre-ft Apr. 8, 1977, elevation, 1,099.16 ft; minimum, after first filling, 326,700 acre-ft Dec. 18, 1987, elevation, 1,055.70 ft

EXTREMES FOR CURRENT YEAR.--Maximum contents, 439,200 acre-ft, Feb. 3, elevation, 1,090.10 ft; minimum, 359,100 acre-ft, Dec. 1, elevation, 1,066.30 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1069.00	367500	-	-
Oct. 31.....	1071.00	373900	+6400	+104
Nov. 30.....	1067.10	361600	-12300	-207
Dec. 31.....	1067.80	363700	+2100	+34
CAL YR 1995	-	-	-11100	-15
Jan. 31.....	1087.30	428400	+64700	+1052
Feb. 29.....	1073.00	380300	-48100	-836
Mar. 31.....	1079.40	401600	+21300	+346
Apr. 30.....	1074.50	385200	-16400	-276
May 31.....	1072.50	378700	-6500	-106
June 30.....	1071.50	375500	-3200	-54
July 31.....	1071.80	376400	+900	+15
Aug. 31.....	1069.80	370000	-6400	-104
Sept. 30.....	1068.20	365000	-5000	-84
WTR YR 1996	-	-	-2500	-3

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02382400 CARTERS RE-REGULATION DAM NEAR CARTERS, GA.

LOCATION.--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 mi downstream from Talking Rock Creek, 0.2 mi upstream from Louisville and Nashville Railway bridge, 1.5 mi downstream from main dam and at mile 25.3.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--July 1975 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area. WRD GA-93-1: 1989-91.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway (crest elevation, 662.5 ft) is equipped with four tainter gates 42 ft wide by 36.5 ft high. Capacity at maximum storage pool elevation, 698 ft, 17,600 acre-ft Dead storage, 290 acre-ft The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 18,800 acre-ft, Apr. 14, 1977, elevation, 699.36 ft; minimum, 320 acre-ft, June 6, 1983, elevation, 666.98 ft

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,530 acre-ft, July 19, elevation, 696.93 ft; minimum 3,520 acre-ft, Oct. 29, elevation, 679.46 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	682.01	5080	-	-
Oct. 31.....	682.40	5340	+260	+4
Nov. 30.....	690.16	10910	+5570	+94
Dec. 31.....	686.33	8040	-2870	-47
CAL YR 1995	-	-	+1560	+2
Jan. 31.....	690.63	11280	+3240	+53
Feb. 29.....	688.55	9670	-1610	-28
Mar. 31.....	684.06	6450	-3220	-52
Apr. 30.....	686.04	7830	+1380	+23
May 31.....	691.61	12060	+4230	+69
June 30.....	683.47	6050	-6010	-101
July 31.....	691.25	11770	+5720	+93
Aug. 31.....	688.92	9940	-1830	-30
Sept. 30.....	692.32	12620	+2680	+45
WTR YR 1996	-	-	+7540	+10

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02393500 ALLATOONA RESERVOIR NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°09'46", long 84°43'40", Bartow County, Hydrologic Unit 03150104, at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi east of Cartersville, and 6 mi upstream from Pumpkinvine Creek.

DRAINAGE AREA.--1,120 mi².

PERIOD OF RECORD.--December 1949 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with nine tainter gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gates, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800 ft, minimum pool. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft Dec. 4, 1954, elevation, 809.34 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 431,500 acre-ft March 10, elevation, 845.09 ft; minimum, 202,800 acre-ft Dec. 29, elevation, 823.00 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet) (equivalent in cubic feet per second)
Sept. 30.....	832.74	288300	-
Oct. 31.....	833.19	292800	+4500
Nov. 30.....	826.38	229900	-62900
Dec. 31.....	823.36	205600	-24300
CAL YR 1995	-	-	+3100
Jan. 31.....	838.92	354800	+149200
Feb. 29.....	832.33	284200	-70600
Mar. 31.....	835.83	320300	+36100
Apr. 30.....	841.10	380700	+60400
May 31.....	841.05	380100	-600
June 30.....	840.20	369900	-10200
July 31.....	839.94	366800	-3100
Aug. 31.....	839.02	356000	-10800
Sept. 30.....	836.61	328800	-27200
WTR YR 1996	-	-	+40500

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.

LOCATION.--Lat 34°50'05", long 83°42'34", Towns County, Hydrologic Unit 06020002, on left bank, 0.3 mi upstream from Corbin Creek, and 8.2 mi southeast of Hiawassee.

DRAINAGE AREA.--1.67 mi².

PERIOD OF RECORD.--May 1984 to current year.

REVISED RECORDS.--WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.--Water-stage recorder. Datum of gage is 2,141.43 ft above sea level (leveling by Global Positioning System equipment).

REMARKS.--Records good to fair, except those for periods of estimated daily discharge and those greater than 20 ft³/s, which are poor.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 35 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0945	465	3.70	Jan. 26	2300	*677	3.93
Nov. 7	1400	65	2.81	Feb. 2	1945	41	2.70
Nov. 11	1215	62	2.79	Mar. 7	1000	64	2.83
Jan. 18	2045	449	3.68	Sept. 28	1430	235	3.33
Jan. 24	0645	36	2.67				

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	2.0	4.1	4.4	3.6	12	7.2	9.0	10	4.7	e2.6	2.7	2.0
2	2.0	6.8	4.3	4.8	26	7.2	8.5	9.4	4.5	e2.6	2.1	2.0
3	3.0	7.0	4.3	4.5	30	7.2	8.2	8.6	4.4	e2.6	1.9	2.2
4	23	5.9	4.1	4.1	17	7.2	8.0	8.1	4.3	e2.5	1.9	2.2
5	247	5.1	4.0	3.9	14	7.2	7.8	7.6	4.0	e2.4	1.8	2.2
6	45	5.0	3.8	4.9	12	16	7.7	8.5	3.9	e2.4	2.0	2.0
7	19	29	4.3	5.5	10	41	7.6	8.4	3.7	e2.5	1.9	4.9
8	14	18	3.9	5.0	9.9	17	7.6	8.0	4.8	e2.4	1.8	5.1
9	11	11	5.1	4.6	10	11	7.5	7.4	15	e2.3	1.8	5.3
10	9.1	8.8	4.4	4.4	9.4	8.5	7.4	7.1	11	e2.2	1.7	4.7
11	8.0	34	4.1	4.0	9.0	7.5	7.0	7.0	8.1	e2.1	3.9	3.9
12	7.3	22	4.0	4.0	8.5	7.2	7.0	6.7	7.5	e2.2	8.4	3.2
13	7.5	13	4.0	3.7	8.2	6.8	7.1	6.5	6.8	e2.2	3.6	2.6
14	8.5	10	3.9	3.7	7.8	6.8	7.0	6.1	5.8	e3.0	2.4	2.3
15	7.3	9.0	3.8	4.1	7.6	6.9	7.2	6.9	7.0	e4.6	2.1	2.1
16	6.6	8.0	3.7	5.0	7.3	6.8	7.1	6.4	6.8	e2.9	1.9	4.4
17	6.1	7.4	3.4	5.8	7.0	6.8	6.8	6.1	5.8	e2.4	2.2	4.3
18	5.6	7.0	3.9	76	6.8	6.6	6.7	5.8	5.3	2.2	2.0	3.2
19	5.4	6.4	7.5	137	6.8	9.8	6.6	5.6	4.9	2.1	1.8	2.8
20	5.2	6.1	6.6	30	13	8.6	8.3	5.3	4.5	2.2	1.8	2.5
21	5.0	6.0	5.6	18	10	7.8	9.2	5.1	4.1	2.2	1.7	3.3
22	4.6	5.8	5.2	14	8.9	7.3	8.7	4.9	e3.7	2.2	1.7	2.8
23	4.4	5.4	4.8	13	8.5	7.1	8.1	4.7	e3.4	2.0	1.7	2.4
24	4.3	5.5	4.5	20	8.1	7.0	7.7	4.9	e3.2	2.0	3.0	2.2
25	4.1	5.3	4.3	17	7.7	7.2	7.4	5.4	e3.4	3.6	2.7	2.1
26	4.0	5.2	4.0	123	7.6	7.0	7.9	7.2	e3.0	2.3	2.3	2.1
27	4.5	5.0	3.9	211	7.5	7.2	7.4	6.6	e2.9	2.1	2.1	32
28	4.4	4.9	3.7	47	7.6	11	7.2	6.5	e2.8	2.0	2.0	101
29	4.0	4.7	3.5	24	7.3	11	7.9	5.9	e2.8	2.0	1.8	44
30	3.9	4.6	3.4	16	---	9.2	11	5.5	e2.7	2.7	3.4	18
31	4.1	---	3.5	14	---	9.1	---	5.0	---	3.0	2.3	---
TOTAL	489.9	276.0	133.9	835.6	305.5	294.2	232.6	207.2	154.8	76.5	74.4	273.8
MEAN	15.8	9.20	4.32	27.0	10.5	9.49	7.75	6.68	5.16	2.47	2.40	9.13
MAX	247	34	7.5	211	30	41	11	10	15	4.6	8.4	101
MIN	2.0	4.1	3.4	3.6	6.8	6.6	6.6	4.7	2.7	2.0	1.7	2.0
CFSM	9.46	5.51	2.59	16.1	6.31	5.68	4.64	4.00	3.09	1.48	1.44	5.47
IN.	10.91	6.15	2.98	18.61	6.81	6.55	5.18	4.62	3.45	1.70	1.66	6.10

e Estimated

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.87	5.22	5.44	8.43	8.05	9.51	7.14	4.68	4.28	3.37	5.08	3.30
MAX	15.8	13.4	9.47	27.0	22.8	19.9	11.6	9.28	14.5	9.75	18.6	9.13
(WY)	1996	1993	1993	1996	1990	1990	1991	1991	1989	1989	1994	1996
MIN	.64	2.02	2.44	2.64	2.99	2.92	2.73	2.48	1.44	.87	.82	.87
(WY)	1988	1985	1985	1985	1986	1988	1986	1986	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1984 - 1996	
ANNUAL TOTAL	2490.8		3354.4			
ANNUAL MEAN	6.82		9.17		5.77	
HIGHEST ANNUAL MEAN					9.17	
LOWEST ANNUAL MEAN					2.69	
HIGHEST DAILY MEAN	247		247		247	
LOWEST DAILY MEAN	1.5		a1.7		.56	
ANNUAL SEVEN-DAY MINIMUM	1.6		1.8		.57	
INSTANTANEOUS PEAK FLOW			677		b779	
INSTANTANEOUS PEAK STAGE			3.93		4.02	
ANNUAL RUNOFF (CFSM)	4.09		5.49		3.46	
ANNUAL RUNOFF (INCHES)	55.48		74.72		46.97	
10 PERCENT EXCEEDS	11		13		10	
50 PERCENT EXCEEDS	4.3		5.4		3.9	
90 PERCENT EXCEEDS	2.3		2.2		1.3	

a But may have been less during the period of missing gage height record June 22 to July 17.

b From rating curve extended above 40 ft³/s on basis of slope-area measurement of peak flow.

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.

LOCATION.--Lat 34°47'24", long 84°14'24", Fannin County, Hydrologic Unit 06020003, on right bank 1.4 mi upstream from Shallowford Bridge, 1.8 mi upstream from Stanley Creek, 2.5 mi northwest of Dial, and at mile 69.1.

DRAINAGE AREA.--177 mi².

PERIOD OF RECORD.--October 1912 to September 1996 (discontinued). Prior to January 1913 monthly discharges only, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area. WSP 1386: 1923(M), 1924, 1927(M), 1929-32(M), 1933, 1934(M), 1944(M).

GAGE.--Water-stage recorder. Datum of gage is 1,782.08 ft above sea level. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927 to Nov. 16, 1928, nonrecording gage at same site and datum.

REMARKS.--Records good. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of November 1906 reached a stage of 18.5 ft, and is highest known since about 1840, from reports of Tennessee Valley Authority.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0915	7,420	9.18	Jan. 27	0345	*7,520	*9.25
Nov. 7	1545	3,820	6.25	Mar. 6	1215	3,160	5.60
Nov. 11	1630	2,570	4.97	Mar. 7	1230	3,310	5.75
Jan. 19	0245	3,170	5.61				

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	162	297	396	404	1160	592	898	804	460	348	313	251
2	161	488	387	554	1810	584	809	745	452	341	299	232
3	208	512	378	575	1760	566	770	702	449	336	274	238
4	1670	394	375	453	1350	548	745	677	444	326	276	249
5	5400	357	366	423	1170	544	719	650	439	320	262	377
6	1590	347	373	512	1100	1940	704	680	425	312	262	301
7	815	1990	400	740	1040	2520	689	795	416	308	276	253
8	597	1350	377	580	1000	1580	678	679	495	308	255	234
9	498	790	491	525	1090	1140	674	642	1400	311	247	232
10	441	625	440	520	969	996	640	616	843	300	240	264
11	405	1400	390	507	925	918	624	668	704	288	236	245
12	378	1220	371	515	867	877	613	682	640	283	343	225
13	380	862	370	502	825	837	609	611	613	282	389	212
14	387	736	373	493	806	803	606	594	549	282	305	201
15	364	654	365	489	783	810	596	628	510	364	257	196
16	344	591	360	494	754	818	614	643	498	354	240	249
17	330	554	349	500	721	799	583	594	530	292	230	664
18	319	526	348	705	707	755	567	570	485	293	233	320
19	312	505	743	2170	684	1160	617	550	479	281	233	264
20	312	485	536	1050	1010	934	929	532	521	268	259	242
21	310	467	450	794	838	855	1150	518	458	269	241	246
22	298	452	415	689	763	800	873	514	431	309	234	307
23	290	445	397	633	727	773	782	500	416	297	242	241
24	288	443	389	822	693	744	726	490	403	269	256	223
25	284	436	384	697	661	765	681	535	400	317	229	217
26	280	426	385	1720	646	760	869	511	386	457	254	210
27	322	424	381	5110	634	721	784	502	374	298	313	305
28	401	423	382	2080	639	940	707	606	369	290	321	836
29	304	422	378	1530	609	893	687	562	364	276	264	804
30	287	407	377	1320	---	818	941	504	356	266	256	478
31	288	---	378	1350	---	821	---	482	---	272	279	---
TOTAL	18425	19028	12504	29456	26741	28611	21884	18786	15309	9517	8318	9316
MEAN	594	634	403	950	922	923	729	606	510	307	268	311
MAX	5400	1990	743	5110	1810	2520	1150	804	1400	457	389	836
MIN	161	297	348	404	609	544	567	482	356	266	229	196
CFSM	3.36	3.58	2.28	5.37	5.21	5.21	4.12	3.42	2.88	1.73	1.52	1.75
IN.	3.87	4.00	2.63	6.19	5.62	6.01	4.60	3.95	3.22	2.00	1.75	1.96

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	274	326	470	599	700	786	749	603	455	392	333	268
MAX	806	1191	1476	1304	1578	1777	1498	1324	991	1748	1285	769
(WY)	1976	1930	1933	1946	1990	1917	1936	1929	1973	1916	1920	1920
MIN	119	138	160	154	264	271	264	222	167	127	102	82.4
(WY)	1955	1940	1934	1981	1941	1988	1986	1986	1986	1986	1925	1925

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1913 - 1996	
ANNUAL TOTAL	172424		217895		495	
ANNUAL MEAN	472		595		736	
HIGHEST ANNUAL MEAN					229	
LOWEST ANNUAL MEAN					7990	
HIGHEST DAILY MEAN	5400	Oct 5	5400	Oct 5	Aug 23 1967	
LOWEST DAILY MEAN	161	Oct 2	161	Oct 2	60	
ANNUAL SEVEN-DAY MINIMUM	171	Sep 26	225	Sep 9	73	
INSTANTANEOUS PEAK FLOW			7520	Jan 27	a14700	
INSTANTANEOUS PEAK STAGE			9.25	Jan 27	13.73	
INSTANTANEOUS LOW FLOW			b161	Oct 1-3	c60	
ANNUAL RUNOFF (CFSM)	2.67		3.36		2.79	
ANNUAL RUNOFF (INCHES)	36.24		45.79		37.96	
10 PERCENT EXCEEDS	780		936		883	
50 PERCENT EXCEEDS	382		490		396	
90 PERCENT EXCEEDS	200		256		181	

a From rating curve extended above 5,000 ft³/s on basis of slope-area measurement at gage height 11.20 ft, and a contracted-opening measurement at gage height 13.73 ft.

b Part of each day; gage height .97 ft.

c Gage height, .40 ft.

TENNESSEE RIVER BASIN

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at bridge on State Highway 146, 3 mi southeast of Lakeview.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT 12...	0600	268	240	227	7.6	7.7	18.0	15.0	9.0	97
NOV 27...	0600	145	285	264	7.7	7.8	10.0	10.0	8.7	79
DEC 14...	0530	285	252	244	7.5	7.8	9.0	11.0	9.4	83
JAN 04...	0545	810	199	194	7.4	7.4	8.0	1.0	9.7	84
FEB 08...	0600	400	219	213	7.6	7.7	6.0	4.0	10.8	89
MAR 07...	0600	1350	122	114	7.3	7.3	13.0	13.0	9.1	89
APR 04...	0600	550	198	189	7.5	7.5	13.0	15.0	9.6	93
MAY 09...	0600	157	256	240	7.6	7.5	19.0	18.0	7.7	85
JUN 06...	0600	59	270	250	7.7	7.5	20.0	18.0	7.4	83
JUN 27...	0600	52	280	258	7.7	7.6	24.0	22.0	6.7	81
AUG 08...	0600	41	275	271	7.7	8.1	24.0	25.0	6.7	81
SEP 05...	0600	65	287	284	7.8	7.7	21.0	19.5	7.2	83

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	10	1.0	1300	110	104	14	0.900	<0.030	0.050	2.0
NOV 27...	5.0	<1.0	330	150	123	8	0.800	0.030	0.030	2.0
DEC 14...	7.0	<1.0	230	140	111	10	0.730	<0.030	0.020	1.0
JAN 04...	62	2.8	--	90	81	66	0.490	0.540	0.240	5.0
FEB 08...	9.0	<1.0	790	100	95	14	0.890	<0.030	0.030	<1.0
MAR 07...	160	3.1	<11	--	48	138	0.270	0.100	0.250	6.0
APR 04...	14	<1.0	490	--	86	24	0.590	<0.030	0.040	<1.0
MAY 09...	5.0	<1.0	270	--	111	8	0.750	<0.030	0.050	2.0
JUN 06...	6.0	<1.0	130	--	124	26	0.620	<0.030	0.050	<1.0
JUN 27...	8.0	<1.0	130	--	127	13	0.660	<0.030	0.080	2.0
AUG 08...	9.0	<1.0	330	--	127	14	0.640	<0.030	0.070	2.0
SEP 05...	8.0	<1.0	1300	--	127	11	0.850	<0.030	0.060	2.0

TENNESSEE RIVER BASIN

03568550 CHATTANOOGA CREEK AT BURNT MILL ROAD, AT SAINT ELMO, TN.

LOCATION.--Lat 34°59'11", long 85°19'37", Hamilton County, Tennessee; Hydrologic Unit 06020001, at Burnt Mill Road at Saint Elmo, TN.
 DRAINAGE AREA.--54.1 mi².

PERIOD OF RECORD.--November 1994 to current year.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Field determinations of Discharge are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT										
12...	0640	52	195	183	7.5	7.5	17.0	15.0	7.7	81
NOV										
27...	0650	47	186	175	7.9	7.6	9.0	10.0	8.9	79
DEC										
14...	0630	102	143	139	8.0	7.5	8.0	11.0	9.2	79
JAN										
04...	0640	350	107	105	7.8	7.2	6.0	1.0	9.8	81
FEB										
08...	0630	158	143	133	7.7	7.4	6.0	4.0	9.8	80
MAR										
07...	0700	970	90	86	7.3	7.0	12.0	13.0	7.4	71
APR										
04...	0650	207	122	112	8.0	7.2	13.0	15.0	9.8	95
MAY										
09...	0645	45	163	149	7.6	7.3	18.0	18.0	7.6	82
JUN										
06...	0640	7.5	223	209	7.6	7.4	19.0	18.0	7.3	80
27...	0650	11	236	226	7.6	7.5	22.5	22.0	6.7	79
AUG										
08...	0655	10	219	218	7.6	7.9	23.0	25.0	6.6	79
SEP										
05...	0645	8.2	207	208	7.6	7.5	21.0	19.0	6.9	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	21	<1.0	490	86	60	24	0.320	<0.030	0.020	1.0
NOV										
27...	3.0	<1.0	20	84	62	3	0.330	<0.030	<0.020	1.0
DEC										
14...	4.0	<1.0	50	62	49	5	0.320	<0.030	<0.020	<1.0
JAN										
04...	10	<1.0	90	44	36	14	0.280	<0.030	<0.020	2.0
FEB										
08...	4.0	<1.0	<150	70	155	5	0.390	<0.030	<0.020	<1.0
MAR										
07...	35	1.1	<1	--	28	37	0.280	<0.030	0.050	3.0
APR										
04...	7.0	<1.0	110	--	40	20	0.230	<0.030	<0.020	<1.0
MAY										
09...	5.0	<1.0	330	--	54	9	0.250	<0.030	<0.020	<1.0
JUN										
06...	7.0	<1.0	130	--	91	8	0.270	<0.030	<0.020	<1.0
27...	7.0	<1.0	330	--	98	11	0.310	<0.030	<0.020	2.0
AUG										
08...	9.0	<1.0	170	--	88	15	0.310	0.060	<0.020	2.0
SEP										
05...	13	<1.0	1400	--	68	23	0.230	<0.030	<0.020	2.0

TENNESSEE RIVER BASIN

03568595 MCFARLAND SPRING BRANCH AT STATE LINE ROAD, AT CHATTANOOGA, TN.

LOCATION.--Lat 34°59'04", long 85°17'58", Hamilton County, Tennessee; Hydrologic Unit 06020001, at State Line Road, 0.2 mi above mouth, at Chattanooga, TN.

DRAINAGE AREA.--1.22 mi².

PERIOD OF RECORD.--November 1994 to current year.

REMARKS.--Laboratory analyses are by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)
OCT									
12...	0625	518	468	7.9	8.0	18.0	15.0	7.0	75
NOV									
27...	0630	390	364	8.0	8.0	11.0	10.0	8.4	78
DEC									
14...	0600	374	356	7.8	8.0	11.0	11.0	8.5	78
JAN									
04...	0615	320	311	7.8	7.7	8.0	1.0	9.2	80
FEB									
08...	0620	430	401	7.8	7.8	7.0	4.0	9.4	79
MAR									
07...	0630	125	124	7.6	7.3	12.0	13.0	8.3	80
APR									
04...	0620	327	310	7.7	7.7	14.0	15.0	9.1	91
MAY									
09...	0615	386	375	7.9	7.7	18.0	18.0	7.5	81
JUN									
06...	0610	418	387	7.8	7.6	20.0	18.0	6.7	75
27...	0615	526	495	7.7	7.5	23.0	22.0	5.7	68
AUG									
08...	0620	407	397	7.6	8.0	24.0	25.0	5.4	66
SEP									
05...	0615	372	360	7.7	7.7	22.0	19.0	5.9	70

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	2.0	<1.0	1700	180	165	3	0.780	<0.030	0.070	1.0
NOV										
27...	2.0	<1.0	330	170	156	3	0.890	0.040	0.050	1.0
DEC										
14...	3.0	<1.0	230	160	148	3	0.990	<0.030	0.080	1.0
JAN										
04...	7.0	1.1	--	140	123	9	1.27	0.070	0.070	2.0
FEB										
08...	7.0	2.0	<1	130	110	6	1.07	0.060	0.050	2.0
MAR										
07...	68	1.8	<7	--	48	87	0.430	<0.030	0.130	3.0
APR										
04...	3.0	1.2	2300	--	129	8	0.950	<0.030	0.060	<1.0
MAY										
09...	3.0	<1.0	3300	--	148	2	0.680	<0.030	0.050	<1.0
JUN										
06...	2.0	1.3	790	--	143	2	0.280	<0.030	0.060	<1.0
27...	3.0	2.5	2200	--	143	4	0.410	0.490	0.220	2.0
AUG										
08...	2.0	3.2	<35	--	145	3	0.570	1.02	0.270	3.0
SEP										
05...	5.0	1.5	11000	--	130	5	0.780	0.070	0.100	2.0

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on county road 2214, 0.4 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.

DRAINAGE AREA.--149 mi².

PERIOD OF RECORD.--August 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.80 ft above sea level (levels by Tennessee Valley Authority). Aug. 30, 1979 to Oct. 4, 1988, at site 200 ft downstream at same datum.

REMARKS.--Records good to fair. Daily water temperatures for November 1980 to September 1984 published in reports of U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 5	0730	*16,600	*19.57	Mar. 7	1015	5,920	14.92
Jan. 7	0400	3,670	13.33	Apr. 21	1651	3,520	13.20
Jan. 27	1315	6,520	15.27				

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	50	95	260	601	722	225	1110	229	53	34	294	39
2	45	183	229	1230	2140	216	851	206	53	33	96	41
3	60	476	206	1110	1400	201	684	187	54	32	65	48
4	505	338	193	729	887	184	553	172	53	29	54	66
5	11900	236	178	519	680	179	448	158	50	28	52	55
6	4430	237	174	1600	573	2900	380	149	48	28	126	49
7	1110	1640	165	2900	492	5380	329	148	48	77	63	53
8	683	1410	201	1280	597	2680	292	136	59	61	64	57
9	392	813	1050	911	962	1200	260	123	80	59	84	64
10	259	555	693	729	803	878	230	115	66	44	55	64
11	212	995	475	606	671	698	209	109	55	37	122	208
12	184	1070	365	1010	539	574	193	103	55	34	120	94
13	162	726	297	754	451	469	181	97	76	32	100	73
14	148	546	261	618	406	391	171	92	135	31	77	62
15	136	395	235	533	355	369	159	92	67	30	64	56
16	119	305	229	470	305	430	149	87	60	30	56	199
17	107	261	205	407	262	406	137	83	53	29	50	470
18	99	232	260	385	241	338	129	78	49	28	46	177
19	92	210	909	836	225	2090	135	75	46	26	46	123
20	89	191	605	575	271	1090	1150	71	48	25	42	99
21	83	171	426	456	286	808	2990	68	48	27	39	157
22	77	157	335	364	257	629	1340	66	43	31	36	235
23	71	146	283	310	241	495	861	63	41	33	37	151
24	67	138	249	579	223	414	594	60	39	28	33	118
25	60	126	226	471	205	423	440	82	72	34	34	101
26	55	118	206	1750	196	403	437	73	54	60	31	89
27	105	112	190	5980	189	331	326	64	43	40	42	84
28	174	262	173	2230	298	1040	264	65	40	45	40	866
29	131	659	157	1150	261	917	241	67	38	34	42	754
30	110	327	145	912	---	740	253	61	36	33	41	364
31	100	---	196	880	---	1070	---	57	---	177	39	---
TOTAL	21815	13130	9776	32885	15138	28168	15496	3236	1662	1269	2090	5016
MEAN	704	438	315	1061	522	909	517	104	55.4	40.9	67.4	167
MAX	11900	1640	1050	5980	2140	5380	2990	229	135	177	294	866
MIN	45	95	145	310	189	179	129	57	36	25	31	39
CFSM	4.72	2.94	2.12	7.12	3.50	6.10	3.47	.70	.37	.27	.45	1.12
IN.	5.45	3.28	2.44	8.21	3.78	7.03	3.87	.81	.41	.32	.52	1.25

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1996, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	113	204	339	457	580	587	360	207	97.9	74.7	84.5	86.2
MAX	704	627	992	1061	1591	1755	652	751	468	361	465	311
(WY)	1996	1980	1983	1996	1990	1980	1983	1984	1989	1989	1982	1979
MIN	15.8	20.3	36.1	44.5	107	79.2	77.3	54.4	19.6	14.4	20.8	18.7
(WY)	1988	1988	1988	1981	1988	1988	1986	1988	1988	1988	1987	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1979 - 1996	
ANNUAL TOTAL	112708		149681			
ANNUAL MEAN	309		409		263	
HIGHEST ANNUAL MEAN					424	
LOWEST ANNUAL MEAN					81.0	
HIGHEST DAILY MEAN	11900		11900		11900	
LOWEST DAILY MEAN	14		25		11	
ANNUAL SEVEN-DAY MINIMUM	15		28		12	
INSTANTANEOUS PEAK FLOW			16600		20000	
INSTANTANEOUS PEAK STAGE			19.57		20.73	
ANNUAL RUNOFF (CFSM)	2.07		2.74		1.77	
ANNUAL RUNOFF (INCHES)	28.14		37.37		24.01	
10 PERCENT EXCEEDS	617		910		591	
50 PERCENT EXCEEDS	103		177		95	
90 PERCENT EXCEEDS	21		40		23	

LAKES IN TENNESSEE RIVER BASIN

03553000 NOTTELY LAKE NEAR IVYLOG, GA.

LOCATION.--Lat 34°57'29", long 84°05'22", Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 mi upstream from Dooley Creek, 1.7 mi southwest of Ivylog, 2.5 mi upstream from Georgia- North Carolina State line, and at mile 21.0.

DRAINAGE AREA.--214 mi².

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is at sea level.

REMARKS.--Lake is formed by rock and rolled earthfill dam with side channel spillway equipped with flashboards. Storage began Jan. 24, 1942; water in lake first reached minimum pool elevation Jan. 26, 1942. Total capacity at elevation 1,780.00 ft, top of flashboards, is 87,900 ft³/s-days, of which 59,100 ft³/s-days is controlled storage above elevation 1,735.00 ft, normal minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft³/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft³/s-days Oct. 6, 1947, elevation, 1638.6 ft

EXTREMES FOR CURRENT YEAR:--Maximum contents, 83,300 ft³/s-days June 11, elevation, 1,777.82 ft; minimum, 35,200 ft³/s-days Jan. 5, elevation, 1,742.58 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1754.40	47280	-	-
Oct. 31.....	1757.80	51350	+4070	+131
Nov. 30.....	1750.56	43040	-8310	-277
Dec. 31.....	1743.42	35880	-7160	-231
CAL YR 1995		-	-1420	-4
Jan. 31.....	1753.38	46120	+10240	+330
Feb. 29.....	1753.23	45960	-160	-6
Mar. 31.....	1762.75	57860	+11900	+384
Apr. 30.....	1770.95	70520	+12660	+422
May 31.....	1776.39	80450	+9930	+320
June 30.....	1775.91	79520	-930	-31
July 31.....	1771.81	72010	-7510	-242
Aug. 31.....	1767.17	64360	-7650	-247
Sept. 30.....	1762.90	58070	-6290	-210
WTR YR 1996	-	-	+10790	+29

LAKES IN TENNESSEE RIVER BASIN--Continued

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA.

LOCATION.--Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft upstream from Blue Ridge Dam on Toccoa River, 2.5 mi northeast of Blue Ridge, and at mile 53.0.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available).

AGE.--Water-stage recorder. Datum of gage is at Tennessee Electric Power Company datum; to convert to sea level, subtract 0.18 ft from elevations given herein.

REMARKS.--Lake is formed by earth dam. Spillway equipped with five tainter gates 15 ft high by 22 ft wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft, top of gates, is 98,800 ft³/s-days, of which 92,800 ft³/s-days is controlled storage above 1,590.00 ft, normal minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft³/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft³/s-days Jan. 16, 1956, elevation, 1,587.75 ft

EXTREMES FOR CURRENT YEAR: Maximum contents, 93,080 ft³/s-days June 11, elevation, 1,687.57 ft; minimum, 54,570 ft³/s-days Jan. 1, elevation, 1,660.19 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1666.64	62440	-	-
Oct. 31.....	1669.38	66020	+3580	+115
Nov. 30.....	1670.01	66860	+840	+28
Dec. 31.....	1660.53	54960	-11900	-384
CAL YR 1995	-	-	+1470	+4
Jan. 31.....	1675.16	74030	+19070	+615
Feb. 29.....	1672.63	70450	-3580	-123
Mar. 31.....	1681.14	82910	+12460	+402
Apr. 30.....	1685.38	89540	+6630	+221
May 31.....	1687.04	92220	+2680	+86
June 30.....	1686.12	90730	-1490	-50
July 31.....	1684.20	87670	-3060	-99
Aug. 31.....	1677.60	77580	-10090	-325
Sept. 30.....	1670.73	67840	-9740	-325
WTR YR 1996	-	-	+5400	+15

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. 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, peak discharge information is gathered and discharge measurements are often made at sites not included in the partial-record program. This information is usually collected in times of drought or flood to give better areal coverage to those events.

Records collected at crest-stage partial-record stations are presented in the following table. Peak discharges at miscellaneous sites and discharge measurements made at low-flow partial-record sites, miscellaneous sites, and for special studies are given in separate tables as appropriate.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SAVANNAH RIVER BASIN								
Broad River above Carlton, Ga. (Prior to 1918 published as near Carlton.) (02191300)	Lat 34°04'24", long 83°00'12", Madison-Elbert County line, Hydrologic Unit 03060104, at State Highway 72, 2.8 mi northeast of Carlton. Drainage area is 760 mi ² . Datum of gage is 404.60 ft above sea level.	1898-1912, g1913-18, g1920-83, 1986-96	03-07-96	23.36	19,900	08-25-08	39.00	70,000
Buffalo Creek near Lexington, Ga. (02191930)	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 miles southeast of Lexington. Drainage area is 5.60 mi ² . Elevation of gage is 520 ft above sea level (from topographic map).	1964-96	01-27-96	5.51	506	04-26-82	9.47	1,650
Kiokee Creek at Appling, Ga (02195150)	Lat 33°32'33", long 82°18'56", Columbia County, Hydrologic Unit 03060106, at U.S. Highway 221, at Appling. Drainage area is 43.9 mi ² . Elevation of gage is 225 ft above sea level (from topographic map).	1984-96	03-07-96	12.63	4,080	10-12-90	15.53	11,500
Rocky Creek tributary at Augusta, Ga. (02196760)	Lat 33°27'07", long 82°02'57", Richmond County, Hydrologic Unit 03060106, at culvert on U.S. Highways 78 and 278 at Augusta. Drainage area is 1.56 mi ² . Datum of gage is 182.30 ft above sea level.	1979-96	03-07-96	6.54	557	10-12-90	9.60	1,110
McBean Creek near McBean, Ga. (02197190)	Lat 33°14'12", long 82°02'38", Richmond-Burke County line, Hydrologic Unit 03060106, at State Highway 21, 5.5 miles west of McBean. Drainage area is 41.4 mi ² . Elevation of gage is 170 ft above sea level (from topographic map).	1963-96	12-19-95	3.76	190	10-12-90	7.52	3,160
OGEECHEE RIVER BASIN								
Ogeechee River at Jewell, Ga. (02200000)	Lat 33°17'48", long 82°46'40", Hancock-Warren County line, Hydrologic Unit 03060201, at State Highway 16, at Jewell. Drainage area is 242 mi ² . Datum of gage is 331.28 ft above sea level.	1888, 1928-29, 1944, 1961, 1971, 1984-96	03-08-96	21.89	7,590	12-**-1888	34.12	27,000

g Maximum gage heights computed from graph based on gage readings.

** Day unknown.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
OGEECHEE RIVER BASIN--Continued								
Rocky Comfort Creek near Grange, Ga. (02200400)	Lat 33°06'09", long 82°34'02", Jefferson County, Hydrologic Unit 03060201, at State Highway 88, 1.5 miles northeast of Grange. Drainage area is 188 mi ² . Datum of gage is 250.10 ft above sea level.	1979-96	03-08-96	13.86	3,140	03-14-80	14.82	4,020
Spring Creek (prior to 1987, published as Ogeechee River tributary) near Louisville, Ga. (02200930)	Lat 32°55'20", long 82°18'49", Jefferson County, Hydrologic Unit 03060201, at culvert on) State Highway 17, 8.5 miles southeast of Louisville. Drainage area is 14.2 mi ² . Elevation of gage is 210 ft above sea level (from topographic map).	1965-96	12-19-95	3.40	140	10-12-90	10.38	2,200
Ogeechee River at Scarboro, Ga. (02202000)	Lat 32°42'38", long 81°52'46", Jenkins County Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, 7.5 mi southeast of Millen. Drainage area is 1,940 mi ² . Datum of gage is 111.81 ft above sea level.	1925, 1928-30, 1936-71††, 1972-96	03-14-96	9.40	8,550	10-**-29	17.00	75,000
Mill Creek near Pembroke, Ga. (02202605)	Lat 32°09'39", long 81°36'15", Bryan County, Hydrologic Unit 03060202, at culvert on State Highway 119, near Pembroke. Drainage area is 5.39 mi ² . Elevation of gage is 80 ft above sea level (from topographic map).	1979-96	09-11-96 09-04-79 03-13-80 03-17-83 01-27-84 02-11-86 01-01-87 08-30-88 09-21-89 12-08-89 03-03-91 08-14-92 12-10-92	1.26 3.48 2.79 2.44 2.70 4.16 2.85 2.89 2.51 2.56 2.77 2.57 3.46	30 c 267 c 173 c 131 c 162 c 376 c 180 c 186 c 139 c 145 c 170 c 146 c 264	10-12-94	5.98	657
Wilshire Canal near Savannah, Ga. (02203543)	Lat 31°59'27", long 81°08'15", Chatham County, Hydrologic Unit 03060204, at culvert on Tibet Avenue near Savannah. Drainage area is 0.95 mi ² . Elevation of gage is 15 ft above sea level (from topographic map).	1979-96	07-05-96 09-04-79 06-21-80 08-12-81 05-30-82 09-01-83 08-20-84 08-02-85 03-13-86 09-06-87 08-30-88 06-30-89 08-02-90 04-30-91 08-14-92 10-03-92 09-02-94	11.87 7.95 7.21 8.49 6.91 8.89 7.48 8.03 5.57 8.70 6.31 6.61 6.11 10.00 6.68 7.57 9.45	ND c 273 c 240 c 295 c 225 c 314 c 254 c 276 c 152 c 304 c 191 c 209 c 181 c 355 c 213 c 258 c 337	10-12-94	11.24	550
Wilshire Canal tributary near Savannah, Ga. (02203544)	Lat 31°58'25", long 81°08'20", Chatham County, Hydrologic Unit 03060204, at culvert on Windsor Road near Savannah. Drainage area is 0.18 mi ² . Elevation of gage is 15 ft above sea level (from topographic map).	1979-96	07-05-96 09-24-79 08-12-81 05-30-82 06-22-83 08-20-84 08-02-85 09-06-87 08-11-88 04-30-91 05-13-93 09-02-94 10-12-94	6.41 3.82 3.43 3.66 4.39 3.57 3.69 4.30 3.53 4.80 3.49 4.41 5.90	127 c 86 c 78 c 83 c 96 c 81 c 84 c 94 c 81 c 102 c 80 c 96 c 118	07-05-96	6.41	127

†† Operated as a continuous-record gaging station.

** Day unknown.

c Revised.

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
ALTAMAHA RIVER BASIN								
Shoal Creek near Atlanta, Ga. (02203835)	Lat 33°44'48", long 84°16'50", DeKalb County, Hydrologic Unit 03070103, at culvert on Line Street near Atlanta. Drainage area is 3.43 mi ² . Elevation of gage is 880 ft above sea level (from topographic map).	1973-96	03-07-96	5.91	831	05-23-80	9.29	2,140
Shoal Creek tributary near Atlanta, Ga. (02203845)	Lat 33°43'05", long 84°15'45", DeKalb County, Hydrologic Unit 03070103, at culvert on Glendale Drive near Atlanta. Drainage area is 0.84 mi ² . Elevation of gage is 835 ft above sea level (from topographic map).	1963-65, 1973-78, 1980-96	03-07-96	4.88	427	09-18-94	7.19	797
Conley Creek near Forest Park, Ga. (02203884)	Lat 33°38'08", long 84°20'37", Clayton County, Hydrologic Unit 03070103, at culvert on Rock Cut Road near Forest Park. Drainage area is 1.88 mi ² . Datum of gage is 844.80 ft above sea level.	1966-68, 1974-78, 1980-96	08-24-96	7.27	924	11-05-77	9.72	1,230
Camp Creek tributary near Stockbridge, Ga. (02204135)	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Highway 155, 5 miles northeast of Stockbridge. Drainage area is 0.28 mi ² . Elevation of gage is 790 ft above sea level (from topographic map).	1977-96	01-27-96	4.96	44	07-05-94	9.02	190
Wolf Creek near Suwanee, Ga. (02205230)	Lat 34°00'04", long 84°02'57", Gwinnett County, Hydrologic Unit 03070103, at culvert on Dean Road near Suwanee. Drainage area is 0.39 mi ² . Elevation of gage is 1000 ft above sea level (from topographic map).	1987-96	10-05-95	8.47	220	10-05-95	8.47	220
Pew Creek near Lawrenceville, Ga. (02205500)	Lat 33°56'05", long 84°01'00", Gwinnett County, Hydrologic Unit 03070103, at culvert on Johnson Road near Lawrenceville. Drainage area is 2.23 mi ² . Elevation of gage is 930 ft above sea level (by barometer).	1954-63 1995-96	10-05-95	13.39	ND	07-15-56	6.96(d)	615
Yellow River tributary near Lawrenceville, Ga. (02205596)	Lat 33°54'45", long 84°02'45", Gwinnett County, Hydrologic Unit 03070103, at culvert on Plantation Road near Lawrenceville. Drainage area is 7.23 mi ² . Elevation of gage is 850 ft above sea level (from topographic map).	1994-96	10-05-95	8.18	836	10-05-95	8.18	836
Jackson Creek near Lilburn, Ga. (02206105)	Lat 33°53'12", long 84°12'42", Gwinnett County, Hydrologic Unit 03070103, at culvert on Angel's Lane near Lilburn. Drainage area is 0.18 mi ² . Elevation of gage is 990 ft above sea level (from topographic map).	1987-96	10-05-95	5.67	103	09-07-87	6.71	144
Jackson Creek tributary No. 1 near Lilburn, Ga. (02206136)	Lat 33°53'19", long 84°10'59", Gwinnett County, Hydrologic Unit 03070103, at culvert on Williams Road near Lilburn. Drainage area is 0.33mi ² . Elevation of gage is 920 ft above sea level (from topographic map).	1987-96	10-05-95	7.24	141	08-22-90	8.14	188
Jackson Creek tributary No. 2 near Lilburn, Ga. (02206165)	Lat 33°54'09", long 84°10'10", Gwinnett County, Hydrologic Unit 03070103, at culvert on Worcester Place near Lilburn. Drainage area is 0.10mi ² . Elevation of gage is 850 ft above sea level (from topographic map).	1987-96	11-02-95	8.39	70	09-14-95	11.51	101

d At different datum from 1954-63.

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
ALTAMAHA RIVER BASIN--Continued								
Watson Creek tributary No. 2 at Snellville, Ga. (02206465)	Lat 33°51'46", long 84°02'07", Gwinnett County, Hydrologic Unit 03070103, at culvert on Tanglewood Drive at Snellville. Drainage area is 0.20 mi ² . Elevation of gage is 970 ft above sea level (from topographic map).	1987-96	10-05-95	6.59	78	07-16-89	8.37	168
Garner Creek near Snellville, Ga. (02207000)	Lat 33°51'45", long 84°05'50", Gwinnett County, Hydrologic Unit 03070103, at culvert on Five Forks Trickum Road near Snellville. Drainage area is 5.54 mi ² . Elevation of gage is 830 ft above sea level (from topographic map).	1954-63 1995-96	10-05-95	8.43	1,400	02-25-61	4.30(d)	1,630
Big Haynes Creek near Snellville, Ga. (02207382)	Lat 33°49'38", long 83°59'04", Gwinnett County, Hydrologic Unit 03070103, at culvert on Pate Road near Snellville. Drainage area is 14.9 mi ² . Elevation of gage is 863 ft above sea level (from topographic map).	1994-96	01-27-96	8.75	2,520	01-27-96	8.75	2,520
Brushy Fork Creek near Loganville, Ga. (02207400)	Lat 33°49'16", long 83°56'32", Gwinnett County, Hydrologic Unit 03070103, at culvert on Beaver Road near Loganville. Drainage area is 8.03 mi ² . Elevation of gage is 880 ft above sea level (from topographic map).	1994-96	10-05-95	8.62	888	10-05-95	8.62	888
Yellow River near Covington, Ga. (02207500)	Lat 33°56'52", long 83°54'54", Newton County, Hydrologic Unit 03070103, at U.S. Highway 278, 3.5 miles northwest of Covington. Drainage area is 378 mi ² . Datum of gage is 616.99 ft above sea level.	1936, 1945-65, 1976-82 1983-96	10-06-95	19.58	12,000	04-07-36	29.90	30,000
Alcovy River near Lawrenceville, Ga. (02208050)	Lat 33°53'40", long 83°56'23", Gwinnett County, Hydrologic Unit 03070103, at bridge on U.S. Highway 29 near Lawrenceville. Drainage area is 9.95 mi ² . Elevation of gage is 920 ft above sea level (from topographic map).	1964-74 1995-96	10-05-95	4.53	1,230	04-18-69	4.92	1,620
Bay Creek near Loganville, Ga. (02208192)	Lat 33°52'54", long 83°52'54", Gwinnett County, Hydrologic Unit 03070103, at culvert on Shannon Road near Loganville. Drainage area is 6.84 mi ² . Elevation of gage is 780 ft above sea level (from topographic map).	1995-96	10-05-95	9.07	962	10-05-95	9.07	962
Savage Creek near Bullard, Ga. (02214280)	Lat 32°35'34", long 83°28'11", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 23, 3 miles southeast of Bullard. Drainage area is 33.0 mi ² . Elevation of gage is 264 ft above sea level (from topographic map).	1979-96	01-26-96	9.01	ND	03-13-80	11.49	2,700
Mossy Creek near Perry, Ga. (02214820)	Lat 32°31'15", long 83°43'23", Houston County, Hydrologic Unit 03070104, at U.S. Highway 41, 4.5 miles north of Perry. Drainage area is 92.9 mi ² . Elevation of gage is 300 ft above sea level (from topographic map).	1979-96	10-05-95	6.26	ND	07-06-94	19.86	24,000
Folsom Creek tributary near Rochelle, Ga. (02215245)	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State High- way 233, 4 miles north of Rochelle. Drainage area is 1.44 mi ² . Elevation of gage is 260 ft above sea level (from topographic map).	1964-96	05-27-96	2.04	49	08-11-70	7.16	434

ND Not determined.

d At different datum from 1954-63.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
ALTAMAHA RIVER BASIN--Continued								
Gum Swamp Creek near Chauncey, Ga. (02215800)	Lat 32°07'28", long 88°03'37", Dodge County, Hydrologic Unit 03070105, at State Highway 165, 1.6 miles north of Chauncey. Drainage area is 221 mi ² . Elevation of gage is 182 ft above sea level (from topographic map).	1984-96	01-26-96	7.01	1,320	03-06-91	9.91	4,940
Mulberry River near Winder, Ga. (02217380)	Lat 34°03'08", long 83°39'49", Barrow-Jackson County line, Hydrologic Unit 03070101, at State Highway 11, 4.5 miles northeast of Winder. Drainage area is 142 mi ² . Elevation of gage is 675 ft above sea level (from topographic map).	1976, 1984-96	10-05-95	13.01	4,380	12-06-83	13.79	5,710
Mulberry River tributary near Winder, Ga. (02217400)	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State High- way 11, 6 miles northeast of Winder. Drainage area is 2.68 mi ² . Elevation of gage is 740 ft above sea level (from topographic map).	1965-96	10-05-95	3.61	565	02-10-90	7.31	1,690
Tanyard Creek at Athens, Ga. (02217905)	Lat 33°57'05", long 83°22'42", Clarke County, Hydrologic Unit 03070101, at culvert on Baxter Street at Athens. Drainage area is 0.42 mi ² . Elevation of gage is 605 ft above sea level (from topographic map).	1979-96	07-14-96 06-03-92	9.56 c 9.18	821 c 626	07-14-96	9.56	821
Buffalo Creek near Linton, Ga. (02223082)	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at Hancock County Road 787, 2 miles southeast of Linton. Drainage area is 92.9 mi ² . Elevation of gage is 278 ft above sea level (from topographic map).	1961, 1984-96	03-08-96	15.16	2,740	02-25-61	20.00	5,400
Big Sandy Creek tributary near Irwinton, Ga. (02223349)	Lat 32°48'11", long 83°13'37", Wilkinson County, Hydrologic Unit 03070102, at culvert on White Springs Road, 1.7 miles southwest of Irwinton. Drainage area is (c)0.50 mi ² . Elevation of gage is 285 ft above sea level (from topographic map).	1977-96	03-08-96	1.63	16	03-03-91	3.16	71
Turkey Creek near Dublin, Ga. (02224100)	Lat 32°27'21", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at U.S. Highways 319 and 441, 5 miles south of Dublin. Drainage area is 316 mi ² . Datum of gage is 190.90 ft above sea level.	1929, 1984-96	03-08-96	12.64	2,560	03-19-29	20.90	19,000
Little Ohoopsee River near Swainsboro, Ga. (02225250)	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro. Drainage area is 216 mi ² . Datum of gage is 184.12 ft above sea level.	1925, 1929, 1970, 1972, 1980-96	03-08-96	b	<2,200	10-13-90	13.40	15,800
Beaver Creek near Cobbtown, Ga (02225330)	Lat 32°16'52", long 82°11'27", Tattall County, Hydrologic Unit 03070107, at culvert on State Highway 152, 3.2 miles west of Cobbtown. Drainage area is 9.58 mi ² . Elevation of gage is 150 ft above sea level (from topographic map).	1965-96	03-18-96	2.55	51	08-24-91	8.04	2,030

< Less than.

b Peak stage did not reach above bottom of crest-stage gage.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SATILLA RIVER BASIN								
Crooked Creek tributary near Bristol, Ga. (02227422)	Lat 31°26'24", long 82°15'03", Pierce County, Hydrologic Unit 03070202, on County Road 1903, 2 miles west of Bristol. Drainage area is 0.42 mi ² . Elevation of gage is 155 ft above sea level (from topographic map).	1976-96	08-10-96	0.92	7	06-25-91	2.72	74
Satilla River tributary No. 2 at Atkinson, Ga. (02227990)	Lat 31°13'32", long 81°51'10", Brantley County, Hydrologic Unit 03070201, on County Road 153, 0.3 mile north of Atkinson. Drainage area is 0.38 mi ² . Datum of gage is 47.74 ft above sea level.	1977-96	11-07-95	1.32	20	08-02-78	2.63	93
SUWANNEE RIVER BASIN								
Dukes Bay Canal at Valdosta, Ga. (02317564)	Lat 30°49'13", long 83°16'20", Lowndes County, Hydrologic Unit 03110202, at culvert on Patterson Street at Valdosta. Drainage area is 1.27 mi ² . Elevation of gage is 130 ft above sea level (from topographic map).	1987-96	09-10-96	6.31	286	10-02-94	7.27	383
Dukes Bay Canal at Industrial Boulevard at Valdosta, Ga. (02317566)	Lat 30°48'34", long 83°15'43", Lowndes County, Hydrologic Unit 03110202, at culvert on Industrial Boulevard at Valdosta. Drainage area is 3.81 mi ² . Elevation of gage is 168 ft above sea level (from topographic map).	1987-96	09-10-96	3.84	234	10-02-94	6.55	668
Little River near Statenville, Ga. (02317600)	Lat 30°42'13", long 83°07'18", Echols County, Hydrologic Unit 03110202, at State Highway 376, 5 miles west of Statenville. Drainage area is 199 mi ² . Elevation of gage is 85 ft above sea level (from topographic map).	1948, 1984-96	04-03-96	9.22	318	03-28-84	17.36	11,000
New River at Tifton, Ga. (02317713)	Lat 31°28'21", long 83°31'09" Tift County, Hydrologic Unit 03110204, at culvert on U.S. 41, 20 ft south of the junction with 20th Street at Tifton. Drainage area is 0.58 mi ² . Elevation of gage is 345 ft above sea level (from topographic map).	1991-96	04-29-96	2.23	69	10-02-94	5.14	285
New River tributary at Tifton, Ga. (02317715)	Lat 31°27'27", long 83°29'36" Tift County, Hydrologic Unit 03110204, at culvert on Pineview Avenue at Tifton. Drainage area is 0.71 mi ² . Elevation of gage is 325 ft above sea level (from topographic map).	1991-96	08-02-96	3.16	209	10-02-94	4.73	446
Onemile Branch at Wainright Drive, at Valdosta, Ga. (023177554)	Lat 30°50'34", long 83°18'04", Lowndes County, Hydrologic Unit 03110203, at culvert on Wainright Drive at Valdosta. Drainage area is 2.66 mi ² . Elevation of gage is 175 ft above sea level (from topographic map).	1987-96	09-10-96 10-30-93 10-02-94	7.16 7.55 8.54	726 c 765 c 886	08-14-87 03-03-91	8.56	889
Little River tributary No. 1 at Tifton, Ga. (02317802)	Lat 31°27'28", long 83°31'22" Tift County, Hydrologic Unit 03110204, at culvert on 2nd Avenue at Tifton. Drainage area is 0.16 mi ² . Elevation of gage is 325 ft above sea level (from topographic map).	1991-96	08-02-96	4.03	67	10-02-94	6.10	237

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SUWANNEE RIVER BASIN--continued								
Little River tributary No. 2 at Tifton, Ga. (02317816)	Lat 30°26'06", long 83°31'22" Tift County, Hydrologic Unit 03110204, at culvert on South Park Avenue at Tifton. Drainage area is 0.30 mi ² . Elevation of gage is 305 ft above sea level (from topographic map).	1991-96	08-02-96	2.88	89	10-02-94	5.45	246
Arnold Creek tributary (prior to 1987, published as Little River tributary No. 2) near Tifton, Ga. (02317810)	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110204, at culvert on secondary road 546, 4 miles southwest of Tifton. Drainage area is 0.47 mi ² . Elevation of gage is 310 ft above sea level (from topographic map).	1965-96	03-07-96	1.30	22	10-03-94	5.46	219
OCHLOCKONEE RIVER BASIN								
Okapilco Creek tributary at Moultrie, Ga. (02318565)	Lat 31°10'12", long 83°46'40", Colquitt County, Hydrologic Unit 03110203, at culvert on S.E. 10th Street at Moultrie. Drainage area is 0.27 mi ² . Elevation of gage is 275 ft above sea level (from topographic map).	1987-96	06-16-96	2.21	31	01-08-93	4.45	114
Tributary of Ochlockonee River tributary at Moultrie, Ga. (02327203)	Lat 31°09'54", long 83°47'35", Colquitt County, Hydrologic Unit 03110203, at culvert on S.W. 4th Street at Moultrie. Drainage area is 0.38 mi ² . Elevation of gage is 270 ft above sea level (from topographic map).	1987-96	06-16-96	2.33	107	01-08-93	4.71	298
Ochlockonee River tributary near Coolidge, Ga. (02327350)	Lat 31°01'33", long 83°57'32", Thomas County, Hydrologic Unit 03120002, at culvert on State Highway 202, 5.5 miles west of Coolidge. Drainage area is 1.81 mi ² . Elevation of gage is 200 ft above sea level (from topographic map).	1964-96	05-28-96	2.41	193	12-04-64	6.14	789
Ochlockonee River near Coolidge, Ga. (02327355)	Lat 31°00'08", long 83°56'21", Thomas County, Hydrologic Unit 03120002, at State Highway 188, 4 miles west of Coolidge. Drainage area is 260 mi ² . Datum of gage is 166.86 ft above sea level.	1981-96	03-18-96	11.90	2,030	03-07-84	17.28	13,100
Little Ochlockonee River near Moultrie, Ga. (02327415)	Lat 31°07'02", long 83°58'42", Colquitt County, Hydrologic Unit 03120002, at State Highway 111, 10 miles west of Moultrie. Drainage area is 44.8 mi ² . Datum of gage is 218.65 ft above sea level.	1981-96	03-18-96	6.79	773	02-11-86	10.22	5,860
Oquina Creek at Wolf Street, at Thomasville, Ga. (02327467)	Lat 30°50'12", long 83°59'38", Thomas County, Hydrologic Unit 03120002, at culvert on Wolf Street at Thomasville. Drainage area is 1.07 mi ² . Elevation of gage is 230 ft above sea level (from topographic map).	1987-96	06-16-96 02-18-88 03-03-91 07-01-93 08-16-94 10-02-94	6.08 4.84 6.07 5.64 6.09 6.28	282 c 188 c 280 c 239 c 284 c 366	10-02-94	6.28	c366
Popple Branch near Whigham, Ga. (02327860)	Lat 30°55'36", long 84°15'18", Grady County, Hydrologic Unit 03120002, at culvert on State Highway 179, 3.2 miles north of Whigham. Drainage area is 1.71 mi ² . Elevation of gage is 245 ft above sea level (from topographic map).	1977-96	08-12-96	1.79	68	02-11-86	6.92	609

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum			
				Gage height (feet)	Dis-charge (ft ³ /s)	Date	Gage height (feet)	Dis-charge (ft ³ /s)	
APALACHICOLA RIVER BASIN									
Chattahoochee River near Leaf, Ga. (02331000)	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 east of Leaf. Drainage area is 150 mi ² . Elevation of gage is 1219.47 ft above sea level (from topographic map).	1940-71††, 1972-96	01-27-96	12.41	12,100	05-28-73	17.50	22,500	
Richland Creek near Buford, Ga. (02334480)	Lat 34°07'57", long 84°04'12", Gwinnett County, Hydrologic Unit 03130001, at culvert on Suwanee Dam Road near Buford. Drainage area is 9.35 mi ² . Elevation of gage is 935 ft above sea level (from topographic map).	1995 1996††	02-16-95 10-05-95	7.94 9.70	1,530 1,930	10-05-95	9.70	1,930	
Level Creek near Suwanee, Ga. (02334580)	Lat 34°05'03", long 84°05'39", Gwinnett County, Hydrologic Unit 03130001, at culvert on Settles Bridge Road near Suwanee. Drainage area is 8.33 mi ² . Elevation of gage is 955 ft above sea level (from topographic map).	1995-96	02-16-95 10-05-95	8.53 7.51	1,100 962	02-16-95	8.53	1,100	
Mill Creek near Suwanee, Ga. (02334880)	Lat 34°01'41", long 84°04'13", Gwinnett County, Hydrologic Unit 03130001, at culvert on Wildwood Road near Suwanee. Drainage area is 1.86 mi ² . Elevation of gage is 935 ft above sea level (from topographic map).	1995-96	02-16-95 10-05-95	5.07 6.82	287 545	10-05-95	6.82	545	
Crooked Creek tributary No. 2 near Norcross, Ga. (02335347)	Lat 33°57'24", long 84°14'43", Gwinnett County, Hydrologic Unit 03130001, at culvert on Holcomb Bridge Road near Norcross. Drainage area is 0.19 mi ² . Elevation of gage is 930 ft above sea level (from topographic map).	1987-96	10-05-95	5.98	260	10-05-95	5.98	260	
Sope Creek at Old Canton Road near Marietta, Ga. (02335864)	Lat 33°57'26", long 84°25'53", Cobb County, Hydrologic Unit 03130002, at bridge on Old Canton Road, 1.5 miles northeast of Marietta. Drainage area is 12.7 mi ² . Datum of gage is 900.40 ft above sea level.	1966-67, 1969-70, 1972, 1977, 1982, 1989-96	01-27-96	15.19	1,480	09-30-89	16.20	2,190	
North Fork Peachtree Creek tributary near Chamblee, Ga. (02336090)	Lat 33°50'53", long 84°17'57", DeKalb County, Hydrologic Unit 03130001, at culvert on Meadow-cliff Drive near Chamblee. Drainage area is 0.32 mi ² . Elevation of gage is 840 ft above sea level (from topographic map).	1973-96	10-05-95	7.13	163	05-22-91	11.85	608	
North Fork Peachtree Creek tributary near Atlanta, Ga. (02336102)	Lat 33°50'20", long 84°19'19", DeKalb County, Hydrologic Unit 03130001, at culvert on Drew Valley Road near Atlanta. Drainage area is 2.19 mi ² . Elevation of gage is 840 ft above sea level (from topographic map).	1973-78, 1980-96	10-05-95	6.81	867	03-13-75	8.16	1,110	
South Fork Peachtree Creek tributary near Atlanta, Ga. (02336238)	Lat 33°47'11", long 84°20'29", DeKalb County, Hydrologic Unit 03130001, at culvert on East Rock Springs Road near Atlanta. Drainage area is 0.90 mi ² . Elevation of gage is 840 ft above sea level (from topographic map).	1974-96	10-05-95	4.66	596	07-23-75	6.61	1,140	

†† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum			
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)	
APALACHICOLA RIVER BASIN--Continued									
South Utoy Creek tributary at East Point, Ga. (02336700)	Lat 33°41'25", long 84°28'05", Fulton County, Hydrologic Unit 03130002, at culvert on Headland Drive at East Point. Drainage area is 0.79 mi ² . Datum of gage is 869.70 ft above sea level.	1964-69††, 1970-78, 1980-96	10-05-95	5.65	400	08-02-71	7.88	533	
Hurricane Creek tributary near Fairplay, Ga. (02337448)	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay. Drainage area is 0.33 mi ² . Elevation of gage is 930 ft above sea level (from topographic map).	1977-96	03-08-96	6.45	121	11-05-77	9.46	292	
Flat Shoal Creek near West Point, Ga. (02340250)	Lat 32°52'53" a, long 85°04'41", Troup County, Hydrologic Unit 03130002, at State Highway 18, 5 miles east of Interstate Highway 85, near West Point. Drainage area is 204 mi ² . Datum of gage is 566.00 ft above sea level.	1948-49, 1961,1969, 1971,1981, 1984-96	03-08-96	22.95	8,170	03-08-96	22.95	8,170	
Mulberry Creek near Mulberry Grove, Ga. (02341220)	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove. Drainage area is 190 mi ² . Datum of gage is 490.00 ft above sea level.	1984-96	03-08-96	20.19	6,140	03-17-90	27.74	21,000	
Mill Branch at Columbus, Ga. (02341544)	Lat 32°28'19", long 84°53'58", Muscogee County, Hydrologic Unit 03130003, at culvert on Chalbena Road at Columbus. Drainage area is 1.58 mi ² . Elevation of gage is 290 ft above sea level (from topographic map).	1977-96	05-28-96	7.18	835	03-16-90	10.59	1,390	
Bull Creek tributary at Columbus, Ga. (02341546)	Lat 32°28'38", long 84°55'36", Muscogee County, Hydrologic Unit 03130003, at culvert on Woodland Drive at Columbus. Drainage area is 0.26 mi ² . Elevation of gage is 260 ft above sea level (from topographic map).	1977-96	10-05-95	3.77	56	03-16-90	5.79	244	
Lindsey Creek tributary at Columbus, Ga. (02341548)	Lat 32°31'33", long 84°56'21", Muscogee County, Hydrologic Unit 03130003, at culvert on Canberra Avenue at Columbus. Drainage area is 1.42 mi ² . Elevation of gage is 360 ft above sea level (from topographic map).	1977-96	10-05-95	5.03	357	08-10-91	8.18	871	
Juniper Creek near Geneva, Ga. (02341600)	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 1.8 miles south of Geneva. Drainage area is 47.4 mi ² . Elevation of gage is 373 ft above sea level (from topographic map).	1963-96	03-07-96	7.39	913	03-17-90	11.78	4,300	

†† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Pine Knot Creek near Juniper, Ga. (02341723)	Lat 32°26'14", long 84°39'25", Marion County, Hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper. Drainage area is 31.3 mi ² . Elevation of gage is 330 ft above sea level (from topographic map).	1979-96	03-07-96	5.52	299	03-17-90	9.43	1,960
Ochillee Creek near Cusseta, Ga. (02341900)	Lat 32°21'53", long 84°49'02", Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta. Drainage area is 53.3 mi ² . Datum of gage is 281.53 ft above sea level.	1979-96	03-07-96	10.54	1,440	03-17-90	16.00	11,000
Bluff Springs Branch near Lumpkin, Ga. (02343219)	Lat 32°01'53", long 84°53'18", Stewart County, Hydrologic Unit 03130003, at culvert on State Highway 27, 5.8 miles southwest of Lumpkin. Drainage area is 2.98 mi ² . Elevation of gage is 390 ft above sea level (from topographic map).	1977-96	12-19-95	1.81	107	03-17-90	4.70	568
Cemochechobee Creek near Coleman, Ga. (02343244)	Lat 31°39'12", long 84°53'02", Randolph County, Hydrologic Unit 03130004, at County Road bridge 1576, 1.5 miles south of Coleman. Drainage area is 15.3 mi ² . Elevation of gage is 254.67 ft above sea level (from topographic map).	1984-96	01-01-96	3.92	129	07-04-94	11.84	5,160
Temple Creek near Blakely, Ga. (02343267)	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Highway 39, 5.2 miles north of Blakely. Drainage area is 2.78 mi ² . Elevation of gage is 290 ft above sea level (from topographic map).	1978-96	02-11-96	1.04	14	07-06-94	6.13	746
Lazar Creek near Talbotton, Ga. (02346195)	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles north of Talbotton. Drainage area is 81.3 mi ² . Elevation of gage is 499 ft above sea level (from topographic map).	1981, 1984-96	03-08-96	16.80	7,900	03-17-90	24.10	36,100
Coleoatchee Creek (formerly published as Celeoth Creek) near Manchester, Ga. (02346217)	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on County Road 39, 1.2 miles southeast of Manchester. Drainage area is 2.82 mi ² . Elevation of gage is 779 ft above sea level (from topographic map).	1969-86, 1988-96	03-08-96	2.52	349	03-16-90	8.31	1,750
Whitewater Creek near Butler, Ga. (02348485)	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler. Drainage area is 17.3 mi ² . Elevation of gage is 403 ft above sea level (from topographic map).	1979-96	02-02-96	8.37	225	07-05-94	10.79	518

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Cedar Creek near Rupert, Ga. (02349030)	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert. Drainage area is 41.1 mi ² . Elevation of gage is 390 ft above sea level (from topographic map).	1979-96	12-19-95	3.07	221	07-06-94	7.50	2,400
Buck Creek tributary near Tazewell, Ga. (02349330)	Lat 32°20'50", long 84°22'26", Schley County, Hydrologic Unit 03130006, at culvert on State Highway 240, 4.3 miles east of Tazewell. Drainage area is (c)0.40 mi ² . Elevation of gage is 495 ft above sea level (from topographic map).	1977-96	07-17-96	2.87	45	10-01-89	4.37	103
Buck Creek near Ellaville, Ga. (02349350)	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville. Drainage area is 146 mi ² . Elevation of gage is 350 ft above sea level (from topographic map).	1979-96	02-03-96	6.82	738	07-06-94	11.31	7,800
Horsehead Creek near Montezuma, Ga. (02349695)	Lat 32°21'28", long 83°56'11", Macon County, Hydrologic Unit 03130006, at culvert on State Highway 224, 8.7 miles northeast of Montezuma. Drainage area is 0.72 mi ² . Elevation of gage is 315 ft above sea level (from topographic map).	1977-96	12-19-95	5.60	146	07-06-94	6.96	200
Kinchafoonee Creek at at Preston, Ga. (02350600)	Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State High- way 41, 1 mi southwest of Preston, and 1 mile upstream from Harrell Mill Creek. Drainage area is 197 mi ² . Datum of gage is 337.70 ft above sea level.	1943,1948-50, 1951-77 ^{††} , 1978-80, 1987-96	02-04-96	7.28	2,470	03-17-90	12.16	14,500
Choctahatchee Creek tributary near Plains, Ga. (02350685)	Lat 32°02'02", long 84°25'59", Sumter County, Hydrologic Unit 03130007, at culvert on U.S. High- way 280, 2.4 miles west of Plains. Drainage area is 0.32 mi ² . Elevation of gage is 440 ft above sea level (from topographic map).	1977-96	02-04-96	b	<5	07-06-94	9.25	625
Emily Avenue Canal at Albany, Ga. (02352605)	Lat 31°32'52", long 84°09'28", Dougherty County, Hydrologic Unit 03130008, at culvert on Emily Avenue at Albany. Drainage area is 0.16 mi ² . Elevation of gage is 170 ft above sea level (from topographic map).	1987-96	09-30-96 08-16-94 08-09-95	1.86 2.85 2.25	59 c 112 c 79	08-16-94	2.85	112
Percosin Creek tributary at Albany, Ga. (02352964)	Lat 31°35'47", long 84°14'03", Dougherty County, Hydrologic Unit 03130008, at culvert on Deans Drive at Albany. Drainage area is 0.05 mi ² . Elevation of gage is 215 ft above sea level (from topographic map).	1987-96	08-29-96	2.54	6	07-26-95	3.66	20

^{††} Operated as a continuous-record gaging station.

b Peak stage did not reach above bottom of crest-stage gage.

(c) Approximately.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Spring Creek at Colquitt, Ga. (02356640)	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt. Drainage area is 281 mi ² . Elevation of gage is 121 ft above sea level (from topographic map).	1981-96	ND	ND	ND	07-06-94	12.92	13,800
MOBILE RIVER BASIN								
Pinhook Creek (prior to 1986, published as Mill Creek tributary) near Eton, Ga. (02384600)	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton. Drainage area is 4.28 mi ² . Datum of gage is 706.72 ft above sea level.	1964-96	06-09-96	6.57	665	08-22-67	7.30	960
Conasauga River near Dawnville, Ga. (02384630)	Lat 34°48'03", long 84°50'18", Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville. Drainage area is 303 mi ² . Datum of gage is 622.96 ft above sea level.	1984-96	02-04-96	21.04	ND	03-28-94	24.58	ND
Euharlee Creek at Rockmart, Ga. (02394820)	Lat 33°59'55", long 85°03'09", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278 (State Highway 6) at Rockmart. Drainage area is 42.1 mi ² . Datum of gage is 732.98 ft above sea level.	1961, 1974, 1979, 1984-96	10-05-95	10.71	3,290	03-04-79	15.00	7,000
Etowah River tributary near Rome, Ga. (02395990)	Lat 34°16'02", long 85°08'18", Floyd County, Hydrologic Unit 03150104, at culvert on Attelram Road near Rome. Drainage area is 0.37 mi ² . Elevation of gage is 640 ft above sea level (from topographic map).	1979-96	10-04-95	6.22	132	03-13-86	7.46	193
Silver Creek tributary No. 2 at Lindale Road, near Rome, Ga. (02396510)	Lat 34°12'56", long 85°10'09", Floyd County, Hydrologic Unit 03150104, at culvert on Lindale Road, near Rome. Drainage area is 0.04 mi ² . Elevation of gage is 660 ft above sea level (from topographic map).	1979-96	05-28-96	2.31	15	02-28-89	3.48	44
Silver Creek tributary No. 3 at Rome, Ga. (02396550)	Lat 34°13'26", long 85°09'14", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highway 27, 0.4 mile north of U.S. Highway 411 interchange at Rome. Drainage area is 0.19 mi ² . Elevation of gage is 600 ft above sea level (from topographic map).	1979-96	10-04-95 c 06-12-95	4.53 c 4.24	97 c 68	08-27-92	5.50	198
Harrisburg Creek near Hawkins, Ga. (02397830)	Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on County Road 91, 0.7 mile west of Hawkins. Drainage area is 13.3 mi ² . Elevation of gage is 730 ft above sea level (from topographic map).	1980-82††, 1983-96	10-05-95	10.63	3,720	02-16-90	12.00	5,530

†† Operated as a continuous-record gaging station.

ND Not determined.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location, drainage area, and datum	Period of record	Date	Water year 1996 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
MOBILE RIVER BASIN--Continued								
McClendon Creek tributary near Dallas, Ga. (02411735)	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State High- way 120, 9.3 miles southwest of Dallas. Drainage area is 0.88 mi ² . Elevation of gage is 1,200 ft above sea level (from topographic map).	1977-96	10-05-95	4.60	343	05-27-81	8.23	860
Mann Creek tributary near Tallapoosa, Ga. (02411902)	Lat 33°51'16", long 85°17'28", Haralson County, Hydrologic Unit 03150108, at culvert on State High- way 100, 7 miles north of Tallapoosa. Drainage area is 0.12 mi ² . Elevation of gage is 1,120 ft above sea level (from topographic map).	1977-96	10-05-95	4.55	75	04-13-79	5.51	107
TENNESSEE RIVER BASIN								
Hiwassee River at Presley, Ga. (03545000)	Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank, 0.1 mile downstream from Cynth Creek, 0.5 mile southeast of Presley, and at mile 133.9. Drainage area is 45.5 mi ² . Datum of gage is 1,932.69 ft above sea level.	1942-82 ++ , 1983-96	01-26-96	9.28	3,160	03-11-52	15.24	5,700
Nottely River near Blairsville, Ga. (03550500)	Lat 34°50'42", long 83°56'20", Union County, Hydrologic Unit 06020002, on right bank, 1,700 ft downstream from Arkaqua Creek, 2.6 mi southeast of Blairsville, and at mile 44. Drainage area is 78.6 mi ² . Datum of gage is 1,812.47 ft above sea level.	1942-82 ++ , 1983-96	01-27-96	13.17	5,420	08-23-67	21.04	12,900

^{##} Operated as a continuous-record gaging station.

ACTIVE AND DISCONTINUED GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column.

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02177000	Chattooga River near Clayton	34°48'50"	83°18'22"	207	Oct. 1, 1939	to	current year
02178000	Chattooga River near Tallulah Falls	34°47'31"	83°19'22"	256	Jan. 1, 1917	to	Jan. 27, 1918
					Oct. 1, 1918	to	Sept. 30, 1929
02178400	Tallulah River near Clayton	34°53'25"	83°31'50"	56.5	July 15, 1964	to	current year
02179000	Tallulah River near Seed	34°46'32"	83°31'17"	129	Jan. 1, 1916	to	Apr. 25, 1920
02180500	Tiger Creek at Lakemont	34°46'52"	83°24'54"	26.0	Jan. 11, 1916	to	Sept. 30, 1918
02181000	Tallulah River at Mathis	34°46'44"	83°24'43"	177	Mar. 27, 1913	to	Sept. 30, 1916
02181500	Tallulah River at Tallulah Falls	34°44'16"	83°23'51"	183	July 15, 1904	to	June 30, 1909
					Aug. 16, 1909	to	June 30, 1910
					July 20, 1910	to	Sept. 30, 1912
02182000	Panther Creek near Toccoa	34°40'40"	83°20'43"	32.5	Oct. 1, 1942	to	Sept. 30, 1971
02184000	Tugaloo River near Hartwell	34°29'06"	82°54'33"	909	Apr. 28, 1925	to	Sept. 30, 1927
					Feb. 1, 1940	to	Sept. 30, 1960
02187252	Savannah River below Hartwell Lake, near Hartwell	34°21'15"	82°48'55"	2,090	Oct. 1, 1984	to	current year
02187500	Savannah River near Iva, S.C.	34°15'20"	82°44'42"	2,231	Oct. 1, 1950	to	Sept. 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34°10'52"	82°56'38"	38.4	Oct. 1, 1942	to	Sept. 30, 1977
02188600	Beaverdam Creek above Elberton	34°10'07"	82°53'48"	72.0	Oct. 1, 1986	to	Oct. 8, 1996
02188680	Beaverdam Creek near Elberton	34°08'29"	82°51'15"	89.6	Oct. 1, 1984	to	June 30, 1986
02189000	Savannah River near Calhoun Falls, S.C.	34°04'15"	82°38'30"	2,880	Oct. 1, 1896	to	Apr. 30, 1898
					Apr. 1, 1899	to	Sept. 30, 1900
					Apr. 1, 1930	to	Apr. 30, 1932
					Apr. 1, 1938	to	Sept. 30, 1979
02189050	North Fork Broad River above Toccoa	34°34'25"	83°22'00"	3.66	Oct. 1, 1958	to	Sept. 30, 1969
02189100	Denmans Creek near Toccoa	34°34'22"	83°22'00"	0.74	Apr. 15, 1956	to	Sept. 30, 1969
02189500	North Fork Broad River near Toccoa	34°30'49"	83°19'19"	18.3	May 1, 1954	to	Sept. 30, 1969
02189600	Bear Creek near Mize	34°29'07"	83°18'38"	3.62	Dec. 1, 1956	to	Sept. 30, 1969
02190000	North Fork Broad River near Lavonia	34°27'10"	83°14'23"	42.0	May 1, 1954	to	Sept. 30, 1969
02190100	Toms Creek near Eastanollee	34°29'01"	83°14'02"	3.79	Oct. 1, 1956	to	Sept. 30, 1969
02190200	Toms Creek near Avalon	34°29'35"	83°13'23"	1.20	Oct. 1, 1954	to	Sept. 30, 1969
02190500	Toms Creek near Martin	34°27'47"	83°13'19"	10.3	June 17, 1954	to	Sept. 30, 1969
02191000	North Fork Broad River near Carnesville	34°19'25"	83°11'10"	119	Oct. 1, 1942	to	Dec. 31, 1944
					May 1, 1954	to	Sept. 30, 1969
02191200	Hudson River at Homer	34°20'15"	83°29'17"	60.9	June 1, 1959	to	Sept. 30, 1979
02191500	Broad River near Carlton	34°03'56"	82°59'33"	762	July 1, 1897	to	Dec. 31, 1912
02191970	Little Macks Creek near Lexington	33°56'09"	82°57'41"	1.73	Dec. 5, 1974	to	Sept. 30, 1985
02192000	Broad River near Bell	33°58'27"	82°46'12"	1,430	Nov. 1, 1926	to	July 31, 1932
					Aug. 1, 1937	to	current year
02193340	Kettle Creek near Washington	33°40'57"	82°51'29"	33.9	Apr. 16, 1986	to	current year
02193500	Little River near Washington	33°36'40"	82°44'40"	291	Oct. 1, 1949	to	June 23, 1971
					May 1, 1989	to	current year
02194000	Little River near Lincolnton	33°38'40"	82°28'40"	574	Jan. 1, 1943	to	Mar. 31, 1951
02196484	Savannah River near North Augusta, S.C.	33°33'06"	82°02'19"	7,150	Oct. 1, 1988	to	current year
02196820	Butler Creek at Fort Gordon	33°26'36"	82°07'43"	7.50	Oct. 1, 1968	to	Jan. 22, 1991
02197000	Savannah River at Augusta	33°22'25"	81°56'35"	7,508	Apr. 1, 1883	to	Sept. 30, 1891
					Apr. 1, 1896	to	Sept. 30, 1906
					Apr. 1, 1925	to	current year
02197320	Savannah River near Jackson, S.C.	33°13'01"	81°46'04"	7,800	Oct. 1, 1971	to	current year
02197500	Savannah River at Burtons Ferry Bridge, near Millhaven	32°56'20"	81°30'10"	8,650	Oct. 1, 1939	to	Sept. 30, 1970
					Oct. 1, 1982	to	current year
02197520	Brier Creek near Thomson	33°22'06"	82°28'06"	55.0	July 18, 1967	to	Sept. 30, 1993
02197550	Little Brier Creek near Thomson	33°20'24"	82°27'29"	24.0	June 24, 1960	to	June 30, 1967
02197600	Brushy Creek near Wrens	33°10'37"	82°18'21"	28.0	May 29, 1958	to	current year
02197830	Brier Creek near Waynesboro	33°07'05"	81°57'50"	473	July 1, 1969	to	Jan. 19, 1995
02198000	Brier Creek at Millhaven	32°56'00"	81°39'05"	646	Apr. 14, 1937	to	current year
02198100	Beaverdam Creek near Sardis	32°56'15"	81°48'56"	30.8	June 7, 1986	to	current year

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02198500	Savannah River near Clio	32°31'30"	81°15'45"	9,850	Apr. 1, 1930 to Oct. 1, 1937	Sept. 30, 1933 to current year	
02198690	Ebenezer Creek at Springfield	32°21'56"	81°17'51"	181	Mar. 1, 1990	to current year	
02200500	Ogeechee River near Louisville	32°58'03"	82°23'26"	800	Apr. 1, 1937	to Dec. 31, 1949	
02201000	Williamson Swamp Creek at Davisboro	32°58'32"	82°36'36"	109	May 7, 1980	to current year	
02202000	Ogeechee River at Scarboro	32°42'38"	81°52'46"	1,940	Apr. 1, 1937	to June 30, 1971	
02202500	Ogeechee River near Eden	32°11'29"	81°24'58"	2,650	Apr. 27, 1937	to current year	
02202600	Black Creek near Blitchton	32°10'04"	81°29'18"	232	Feb. 14, 1980	to current year	
02203000	Canoochee River near Claxton	32°11'05"	81°53'20"	555	May 26, 1937	to current year	
02203500	Canoochee River near Groveland	32°05'55"	81°43'43"	921	June 23, 1903	to Dec. 31, 1907	
02203559	Peacock Creek at McIntosh	31°48'49"	81°31'13"	33.0	Oct. 1, 1966	to Sept. 30, 1977	
02203600	South River at East Point	33°40'50"	84°25'15"	1.49	Oct. 1, 1963	to Sept. 30, 1969	
02203900	South River at Flakes Mill Road, near Atlanta	33°39'58"	84°13'29"	99.0	Aug. 23, 1979	to Sept. 30, 1983	
02204070	South River at Klondike Road, near Lithonia	33°37'47"	84°07'43"	182	Oct. 1, 1983	to current year	
02204285	Pates Creek near Flippen	33°29'34"	84°14'44"	11.9	Aug. 9, 1977	to Sept. 30, 1984	
02204500	South River near McDonough	33°29'48"	84°00'53"	456	Oct. 1, 1939	to Sept. 30, 1960	
					Oct. 1, 1975	to Sept. 30, 1982	
02205000	Wildcat Creek near Lawrenceville	34°00'08"	84°00'18"	1.59	Oct. 1, 1953	to Sept. 30, 1982	
02205500	Pew Creek near Lawrenceville	33°56'05"	84°01'00"	2.23	Oct. 1, 1953	to Sept. 30, 1963	
02206000	Shetley Creek near Norcross	33°57'20"	84°09'40"	0.98	Oct. 1, 1953	to Sept. 30, 1963	
02206500	Yellow River near Snellville	33°51'11"	84°04'45"	134	Oct. 1, 1942	to Sept. 30, 1971	
					Oct. 1, 1987	to current year	
02207000	Garner Creek near Snellville	33°51'45"	84°05'50"	5.54	Oct. 1, 1953	to Sept. 30, 1963	
02207500	Yellow River near Covington	33°36'52"	83°54'54"	378	Sept. 12, 1897	to Dec. 31, 1897	
					May 9, 1899	to Dec. 31, 1901	
					July 1, 1944	to Sept. 30, 1960	
					Oct. 1, 1975	to Sept. 30, 1982	
02208450	Alcoy River above Covington	33°38'24"	83°46'45"	185	Jan. 26, 1972	to current year	
02208500	Alcoy River near Covington	33°35'35"	83°48'29"	228	May 1, 1901	to Dec. 31, 1904	
02209000	Alcoy River below Covington	33°30'21"	83°49'30"	244	Oct. 1, 1928	to Apr. 30, 1932	
					July 1, 1944	to Dec. 31, 1949	
02209500	Alcoy River near Stewart	33°25'22"	83°49'43"	291	Sept. 16, 1905	to Dec. 31, 1906	
02210500	Ocmulgee River near Jackson	33°18'28"	83°50'18"	1,420	May 18, 1906	to Sept. 30, 1915	
					Aug. 1, 1939	to Sept. 30, 1960	
					Oct. 1, 1975	to Sept. 30, 1982	
					Mar. 1, 1987	to current year	
02211300	Towaliga River near Jackson	33°15'50"	84°04'17"	105	June 1, 1960	to Sept. 30, 1971	
02211459	Big Towaliga Creek near Barnesville	33°04'20"	84°11'04"	2.36	Oct. 1, 1974	to Sept. 30, 1980	
02211500	Towaliga River near Forsyth	33°07'17"	83°56'36"	315	Feb. 1, 1929	to Mar. 31, 1932	
					July 1, 1944	to Dec. 31, 1949	
02212500	Ocmulgee River at Juliette	33°05'50"	83°47'10"	1,960	June 1, 1916	to Sept. 30, 1921	
					July 2, 1974	to May 15, 1988	
02212600	Falling Creek near Juliette	33°05'59"	83°43'25"	72.2	July 7, 1964	to current year	
02213000	Ocmulgee River at Macon	32°50'19"	83°37'14"	2,240	Feb. 1, 1893	to July 31, 1912	
					Oct. 1, 1928	to current year	
02213050	Walnut Creek near Gray	32°58'20"	83°37'08"	29.0	Oct. 1, 1961	to Apr. 26, 1994	
02213470	Tobesofkee Creek above Macon	32°52'02"	83°50'24"	156	Apr. 1, 1967	to Sept. 30, 1971	
02213500	Tobesofkee Creek near Macon	32°48'32"	83°45'30"	182	Apr. 1, 1937	to current year	
02213700	Ocmulgee River near Warner Robins	32°40'17"	83°36'11"	2,690	Oct. 1, 1972	to current year	
02214000	Echeconnee Creek near Macon	32°45'54"	83°50'22"	147	Apr. 1, 1937	to Sept. 30, 1943	
22145000	Big Indian Creek at Perry	32°27'20"	83°44'21"	108	Oct. 1, 1943	to July 31, 1971	
02215000	Ocmulgee River at Hawkinsville	32°16'50"	83°27'40"	3,800	Oct. 1, 1928	to Dec. 31, 1931	
					Oct. 1, 1943	to Sept. 30, 1959	
02215100	Tucsaawhatchee Creek near Hawkinsville	32°14'22"	83°30'06"	163	Apr. 1, 1986	to current year	
02215400	Big Horse Creek near Lumber City	31°51'07"	82°49'37"	155	Oct. 1, 1958	to Dec. 31, 1961	
02215500	Ocmulgee River at Lumber City	31°55'06"	82°40'26"	5,180	Oct. 1, 1936	to current year	
02216000	Little Ocmulgee River at Towns	32°00'28"	82°45'10"	351	Apr. 1, 1937	to Dec. 31, 1946	
02216180	Turnpike Creek near McRae	31°59'29"	82°55'19"	49.2	Jan. 1, 1983	to current year	
02216610	Tillman Mill Creek near Lumber City	31°58'53"	82°38'32"	2.71	Oct. 1, 1974	to Sept. 30, 1985	

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record			
02217000	Allen Creek at Talmo	34°11'34"	83°43'11"	17.3	July 7, 1951	to	Sept. 30, 1971	
02217475	Middle Oconee River near Arcade	34°01'54"	83°33'48"	340	Mar. 1, 1987	to	current year	
02217500	Middle Oconee River near Athens	33°56'48"	83°25'22"	392	Oct. 1, 1901	to	Sept. 30, 1902	
					Jan. 1, 1929	to	Mar. 31, 1932	
					May 1, 1937	to	current year	
02217900	North Oconee River at Athens	33°56'55"	83°22'04"	290	Oct. 1, 1928	to	Mar. 31, 1932	
					June 24, 1944	to	Dec. 31, 1949	
02218300	Oconee River near Penfield	33°43'16"	83°17'44"	940	Aug. 1, 1977	to	current year	
02218500	Oconee River near Greensboro	33°34'52"	83°16'22"	1,090	Aug. 1, 1903	to	Sept. 30, 1932	
					Apr. 1, 1937	to	Sept. 30, 1978	
02219000	Apalachee River near Bostwick	33°47'17"	83°28'27"	176	July 1, 1944	to	Dec. 31, 1949	
					Apr. 28, 1977	to	current year	
02219500	Apalachee River near Buckhead	33°36'31"	83°20'58"	436	Jan. 1, 1901	to	Dec. 31, 1908	
					Apr. 1, 1937	to	Sept. 30, 1978	
02220500	Oconee River near Sparta	33°20'05"	83°08'38"	1,830	Oct. 1, 1949	to	Apr. 15, 1953	
02220550	Whitten Creek near Sparta	33°23'12"	83°01'34"	16.6	June 22, 1960	to	Apr. 16, 1986	
02220900	Little River near Eatonton	33°18'50"	83°26'14"	262	Aug. 1, 1977	to	current year	
02221000	Murder Creek near Monticello	33°24'56"	83°39'43"	24.0	Oct. 1, 1951	to	Sept. 30, 1971	
02221525	Murder Creek below Eatonton	33°15'08"	83°28'53"	190	Apr. 27, 1977	to	current year	
02223000	Oconee River at Milledgeville	33°05'22"	83°12'56"	2,950	Sept. 1, 1903	to	current year	
02223056	Oconee River at Avant Mine, near Oconee	32°56'23"	83°04'01"	3100	Nov. 4, 1992	to	current year	
02223110	Buffalo Creek near Oconee	32°53'28"	82°57'40"	293	Jan. 28, 1993	to	current year	
02223248	Oconee River near Oconee	32°47'14"	82°57'26"	3770	Nov. 1, 1992	to	current year	
02223300	Big Sandy Creek near Jeffersonville	32°48'15"	83°25'04"	31.0	Oct. 1, 1958	to	Sept. 30, 1971	
02223382	Oconee River near Dublin	32°41'41"	82°56'20"	4100	Nov. 4, 1992	to	current year	
02223500	Oconee River at Dublin	32°32'40"	82°53'41"	4,400	Oct. 1, 1897	to	current year	
02224000	Rocky Creek near Dudley	32°29'38"	83°08'49"	62.9	Dec. 1, 1951	to	Sept. 30, 1976	
02224500	Oconee River near Mt. Vernon	32°11'28"	82°38'00"	5,110	Oct. 1, 1937	to	Dec. 31, 1955	
02225000	Altamaha River near Baxley	31°56'20"	82°21'13"	11,600	Aug. 14, 1949	to	June 30, 1951	
					Oct. 1, 1970	to	current year	
02225500	Ochoopee River near Reidsville	32°04'42"	82°10'39"	1,110	June 24, 1903	to	Dec. 31, 1907	
					May 25, 1937	to	current year	
02226000	Altamaha River at Doctortown	31°39'16"	81°49'41"	13,600	Oct. 1, 1931	to	current year	
02226100	Penholoway Creek near Jesup	31°34'00"	81°50'18"	210	July 1, 1958	to	current year	
02226500	Satilla River near Waycross	31°14'17"	82°19'29"	1,200	Apr. 1, 1937	to	current year	
02226600	Burket Creek near Roper	31°47'42"	82°37'33"	7.10	July 1, 1956	to	Sept. 30, 1963	
02226700	Whitehead Creek near Denton	31°44'00"	82°41'26"	28.0	July 1, 1956	to	Sept. 30, 1963	
02226900	Hurricane Creek near Hazelhurst	31°40'58"	82°34'15"	102	July 1, 1956	to	Sept. 30, 1963	
02227000	Hurricane Creek near Alma	31°34'00"	82°27'50"	139	Oct. 1, 1951	to	Sept. 30, 1971	
02227500	Little Satilla River near Offerman	31°27'04"	82°03'17"	646	Jan. 27, 1951	to	current year	
02228000	Satilla River at Atkinson	31°13'16"	81°52'03"	2,790	Mar. 21, 1930	to	current year	
02228500	North Prong St Marys River at Moniac	30°31'03"	82°13'50"	160	Feb. 1, 1921	to	Dec. 31, 1923	
					Feb. 1, 1927	to	June 30, 1930	
					Aug. 1, 1932	to	June 30, 1934	
					Oct. 1, 1950	to	current year	
02231000	St Marys River near Macclenny, FL	30°21'31"	82°04'54"	700	Oct. 1, 1926	to	current year	
02231253	St Marys River near Gross, FL	30°44'29"	81°41'17"	1,360	Apr. 1, 1966	to	May 31, 1975	
					Oct. 1, 1980	to	Sept. 30, 1983	
					Oct. 1, 1984	to	Aug. 31, 1990	
02314500	Suwannee River at Fargo	30°40'50"	82°33'38"	1,260	Jan. 28, 1927	to	Dec. 9, 1931	
					Apr. 20, 1937	to	current year	
02316000	Alapaha River near Alapaha	31°23'03"	83°11'33"	663	Apr. 26, 1937	to	Sept. 30, 1976	
02317000	Alapaha River at Mayday	30°49'40"	83°01'05"	1,300	Oct. 1, 1928	to	Dec. 9, 1931	
02317500	Alapaha River at Statenville	30°42'14"	83°02'00"	1,400	Jan. 28, 1921	to	June 30, 1921	
					Dec. 10, 1931	to	current year	
02317748	Withlacoochee River near Bemiss	30°57'24"	83°16'12"	501	Oct. 13, 1976	to	Dec. 31, 1981	
023177483	Withlacoochee River at McMillan Road, near Bemiss	30°56'50"	83°16'22"	502	June 11, 1988	to	current year	
02317755	Withlacoochee River at U.S. 41 near Valdosta	30°53'33"	83°19'08"	537	Oct. 20, 1976	to	Sept. 30, 1978	
					Aug. 31, 1988	to	Jan. 3, 1990	
02317830	Little River near Lenox	31°15'15"	83°30'32"	208	May 1, 1967	to	Sept. 30, 1971	
					Oct. 1, 1976	to	Sept. 30, 1978	

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02318000	Little River near Adel	31°09'18"	83°32'38"	577	June 12, 1940	to	Sept. 30, 1971
02318500	Withlacoochee River near Quitman	30°47'35"	83°27'13"	1,480	Oct. 1, 1928	to	Dec. 11, 1931
					June 9, 1937	to	May 31, 1948
					Oct. 1, 1988	to	May 7, 1992
					June 1, 1992	to	current year
02318700	Okapilco Creek at State Route 33 near Quitman	30°49'32"	83°33'45"	269	Dec. 21, 1979	to	current year
02327500	Ochlockonee River near Thomasville	30°52'32"	84°02'44"	550	Aug. 11, 1937	to	June 30, 1971
02328000	Tired Creek near Cairo	30°51'54"	84°15'46"	60.0	Oct. 1, 1943	to	Feb. 29, 1948
					Apr. 26, 1948	to	June 30, 1971
02329342	Little Attapulugus Creek at Attapulugus	30°44'08"	84°29'49"	16.9	Nov. 15, 1991	to	current year
02330450	Chattahoochee River at Helen	34°42'03"	83°43'44"	44.7	May 5, 1981	to	current year
02331000	Chattahoochee River near Leaf	34°34'37"	83°38'09"	150	Feb. 21, 1940	to	Sept. 30, 1971
02331500	Soque River near Demorest	34°34'23"	83°35'27"	156	July 6, 1904	to	June 30, 1909
					May 30, 1929	to	Dec. 25, 1931
					Mar. 27, 1940	to	Dec. 31, 1951
02331600	Chattahoochee River near Cornelia	34°32'27"	83°37'14"	315	Aug. 21, 1957	to	current year
02332000	King Branch near Alto	34°27'05"	83°36'45"	0.42	May 1, 1944	to	Sept. 30, 1948
02332830	West Fork Little River near Clermont	34°24'55"	83°49'18"	18.3	Feb. 1, 1993	to	current year
02333000	Chattahoochee River near Gainesville	34°19'17"	83°52'46"	559	June 26, 1901	to	Sept. 27, 1902
					Dec. 28, 1902	to	Dec. 31, 1903
					Apr. 28, 1937	to	Feb. 29, 1956
02333500	Chestatee River near Dahlonga	34°31'41"	83°56'23"	153	July 8, 1929	to	Jan. 31, 1932
					Apr. 1, 1940	to	current year
02334430	Chattahoochee River at Buford Dam, near Buford	34°09'25"	84°04'44"	1,040	Oct. 1, 1971	to	current year
02334480	Richland Creek near Buford	34°07'57"	84°04'12"	9.35	Oct. 1, 1995	to	Jan. 6, 1997
02334500	Chattahoochee River near Buford	34°07'34"	84°05'37"	1,060	Jan. 27, 1942	to	Sept. 30, 1971
02334885	Suwanee Creek near Suwanee	34°01'56"	84°05'22"	46.8	Oct. 1, 1984	to	current year
02335000	Chattahoochee River near Norcross	33°59'50"	84°12'07"	1,170	Jan. 1, 1903	to	Sept. 30, 1946
					Oct. 1, 1956	to	current year
					Apr. 1, 1994	to	current year
02335078	Johns Creek at Buice Road, near Warsaw	34°00'58"	84°12'40"	11.6			
02335450	Chattahoochee River at Eves Road, above Roswell	33°59'09"	84°18'58"	1,220	July 7, 1976	to	current year
02335500	Chattahoochee River near Roswell	34°00'20"	84°19'53"	1,230	Oct. 1, 1941	to	May 10, 1960
02335700	Big Creek near Alpharetta	34°03'02"	84°16'10"	72.0	May 1, 1960	to	current year
02335830	Chattahoochee River at Johnson Ferry Road, near Atlanta	35°56'36"	84°24'17"	1,380	Sep. 1, 1994	to	current year
02335870	Sope Creek near Marietta	33°57'14"	84°26'36"	29.2	Oct. 1, 1984	to	current year
02335912	Rottenwood Creek at I-285, at Atlanta	33°53'30"	84°27'33"	19.5	Oct. 1, 1995	to	Sept. 30, 1996
02336000	Chattahoochee River at Atlanta	33°51'33"	84°27'16"	1,450	Aug. 1, 1928	to	Dec. 31, 1931
					Oct. 1, 1936	to	current year
02336300	Peachtree Creek at Atlanta	33°49'10"	84°24'28"	86.8	June 20, 1958	to	current year
02336380	Nancy Creek at Randall Mill Road, at Atlanta	33°51'35"	84°25'28"	34.8	Oct. 1, 1963	to	Sept. 30, 1964
02336410	Nancy Creek at West Wesley Road, at Atlanta	33°50'18"	84°26'22"	37.7	Apr. 23, 1994	to	current year
02336490	Chattahoochee River at State Route 280, near Atlanta	33°49'01"	84°28'48"	1,590	Mar. 3, 1981	to	current year
02336500	Chattahoochee River at Oakdale	33°48'46"	84°29'19"	1,600	Oct. 1, 1895	to	Aug. 31, 1903
					Nov. 1, 1903	to	May 31, 1904
02336529	Proctor Creek at Northwest Drive, near Atlanta	33°47'57"	84°29'13"	15.5	Apr. 27, 1995	to	current year
02336635	Nickajack Creek at US Highways 78 and 278, near Mableton	33°48'11"	84°31'12"	31.5	Oct. 1, 1995	to	current year
02336700	South Utoy Creek Tributary at Headland Drive, at East Point	33°41'25"	84°28'05"	0.79	Oct. 1, 1963	to	Sept. 30, 1969
02337000	Sweetwater Creek near Austell	33°46'22"	84°36'53"	246	May 18, 1904	to	Dec. 31, 1905
					Mar. 24, 1937	to	current year
02337100	North Fork Camp Creek at Atlanta	33°39'40"	84°30'40"	5.25	Oct. 1, 1963	to	Sept. 30, 1969

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02337160	Deep Creek at State Highway 70, near Tell	33°39'52"	84°38'26"	27.5	Oct. 1, 1995	to	current year
02337170	Chattahoochee River near Fairburn	33°39'24"	84°40'25"	2,060	July 6, 1965	to	current year
02337320	Bear Creek at State Highway 70, near Rico	33°36'17"	84°44'54"	27.5	Apr. 28, 1995	to	current year
02337500	Snake Creek near Whitesburg	33°31'46"	84°55'42"	35.5	Sep. 15, 1954	to	current year
02338000	Chattahoochee River near Whitesburg	33°28'37"	84°54'04"	2,430	Oct. 1, 1938	to	June 30, 1954
					Jan. 1, 1965	to	current year
02338185	Wahoo Creek at Wagers Mill Road, near Sargent	33°26'12"	84°54'02"	29.7	Dec. 1, 1995	to	Jan. 8, 1997
02338280	Whooping Creek at State Highway 5, near Whitesburg	33°27'40"	84°59'49"	26.4	Sep. 1, 1994	to	Jan. 8, 1997
02338314	Plant Wangsley Outfall near Glenloch	33°24'20"	85°01'58"	25.5	Apr. 29, 1995	to	Jan. 8, 1997
02338400	Centralhatchee Creek at US Highway 27, near Franklin	33°18'40"	85°06'18"	57.7	Sep. 1, 1994	to	Jan. 8, 1997
02338500	Chattahoochee River at Franklin	33°16'45"	85°06'00"	2,680	June 1, 1928	to	Oct. 31, 1931
					Oct. 1, 1938	to	Sept. 30, 1939
					Oct. 1, 1957	to	Sept. 30, 1959
02338660	New River near Corinth	33°14'07"	84°59'16"	127	Oct. 1, 1978	to	current year
02338840	Yellowjacket Creek near Hogansville	33°08'22"	84°58'31"	91.0	Oct. 1, 1978	to	Sept. 30, 1985
02339000	Yellowjacket Creek near LaGrange	33°05'27"	85°03'40"	182	Jan. 20, 1951	to	Mar. 31, 1971
02339500	Chattahoochee River at West Point	32°53'10"	85°10'56"	3,550	Aug. 1, 1896	to	current year
02340000	Mill Creek near Warm Springs	32°52'03"	84°47'04"	0.87	Dec. 17, 1933	to	Apr. 30, 1935
02340500	Mountain Oak Creek near Hamilton	32°44'28"	85°04'08"	61.7	Dec. 22, 1943	to	Sept. 30, 1971
02341500	Chattahoochee River at Columbus	32°27'45"	84°59'52"	4,670	Aug. 23, 1929	to	current year
02341800	Upatoi Creek near Columbus	32°24'48"	84°49'12"	342	Apr. 1, 1968	to	current year
02342000	Upatoi Creek at Fort Benning	32°22'35"	84°56'40"	447	Oct. 1, 1942	to	Dec. 31, 1947
02342850	Hannahatchee Creek at Union	32°09'10"	84°54'21"	121	June 1, 1964	to	Sept. 30, 1965
02343200	Pataula Creek near Lumpkin	31°56'03"	84°48'12"	70.0	June 21, 1958	to	Sept. 30, 1971
02343260	Chattahoochee River at Fort Gaines	31°36'15"	85°03'19"	7,570	Oct. 1, 1960	to	Sept. 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31°17'11"	85°05'45"	8,040	July 27, 1928	to	Sept. 30, 1960
02343801	Chattahoochee River at Andrews Lock and Dam, at Columbia, Ala.	31°15'33"	85°06'37"	8,210	Oct. 1, 1975	to	current year
02344000	Chattahoochee River at Alaga, Ala.	31°06'54"	85°02'43"	8,340	May 1, 1938	to	Dec. 31, 1944
					Oct. 1, 1960	to	Sept. 30, 1970
02344300	Camp Creek near Fayetteville	33°31'00"	84°25'39"	17.2	June 1, 1960	to	Sept. 30, 1973
02344350	Flint River near Lovejoy	33°24'56"	84°23'05"	130	May 7, 1985	to	current year
02344500	Flint River near Griffin	33°14'39"	84°25'45"	272	Mar. 1, 1937	to	current year
02344700	Line Creek near Senoia	33°19'10"	84°31'25"	101	Sept. 1, 1964	to	current year
02345000	Flint River near Molena	32°59'21"	84°31'45"	990	Oct. 1, 1945	to	June 30, 1953
02345500	Flint River near Woodbury	32°57'59"	84°31'58"	1,090	Apr. 1, 1900	to	Sept. 30, 1920
02346180	Flint River near Thomaston	32°50'20"	84°25'27"	1,220	May 21, 1966	to	Sept. 30, 1992
02346500	Potato Creek near Thomaston	32°54'15"	84°21'45"	186	Oct. 1, 1937	to	June 30, 1971
02347500	Flint River near Culloden	32°43'17"	84°13'57"	1,850	July 1, 1911	to	May 31, 1923
					July 21, 1928	to	Dec. 31, 1931
					Mar. 18, 1937	to	current year
02348500	Whitewater Creek near Butler	32°28'02"	84°15'59"	80.0	Oct. 1, 1943	to	Sept. 30, 1951
02349000	Whitewater Creek below Rambulette Creek, near Butler	32°28'00"	84°15'58"	93.4	Oct. 1, 1951	to	Sept. 30, 1971
02349500	Flint River at Montezuma	32°17'53"	84°02'38"	2,900	Oct. 1, 1904	to	Dec. 31, 1909
					Jan. 1, 1911	to	Dec. 31, 1912
					July 1, 1930	to	current year
02349900	Turkey Creek at Byromville	32°11'44"	83°54'03"	45.0	June 20, 1958	to	current year
02350000	Flint River near Vienna	32°03'38"	83°58'36"	3,390	Oct. 1, 1926	to	Sept. 30, 1930
02350080	Lime Creek near Cobb	32°02'06"	83°59'33"	61.8	Apr. 30, 1983	to	Jan. 11, 1984
					Mar. 1, 1993	to	Feb. 21, 1996
02350220	Gum Creek at Coney	31°57'40"	83°53'05"	73.0	Apr. 30, 1983	to	Jan. 11, 1984
02350300	Cedar Creek near Cordele	31°54'45"	83°51'18"	34.0	Apr. 30, 1983	to	Jan. 11, 1984
02350500	Flint River at Oakfield	31°46'07"	83°59'24"	3,860	Oct. 1, 1929	to	Dec. 31, 1958
02350512	Flint River at State Highway 32, near Oakfield	31°43'30"	84°01'07"	3,880	May 1, 1987	to	current year
02350600	Kinchafoonee Creek at Preston	32°03'09"	84°32'54"	197	Oct. 1, 1951	to	Sept. 30, 1977

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02350900	Kinchafoonee Creek near Dawson	31°45'52"	84°15'12"	527	Mar. 7, 1985	to	current year
02351000	Kinchafoonee Creek near Leesburg	31°43'10"	84°11'08"	586	Apr. 1, 1906	to	Dec. 31, 1909
02351890	Muckalee Creek at State Route 195, near Leesburg	31°46'34"	84°08'22"	362	Dec. 15, 1979	to	current year
02352500	Flint River at Albany	31°35'39"	84°08'39"	5,310	Oct. 1, 1901	to	June 30, 1921
02353000	Flint River at Newton	31°18'34"	84°20'06"	5,740	Oct. 1, 1929	to	current year
					Apr. 1, 1938	to	Sept. 30, 1945
					Oct. 1, 1946	to	Sept. 30, 1947
					Jan. 1, 1949	to	Sept. 30, 1950
02353400	Pachitla Creek near Edison	31°33'17"	84°40'43"	188	Oct. 1, 1956	to	current year
					June 9, 1959	to	Sept. 30, 1971
					Mar. 24, 1988	to	current year
02353500	Ichawaynochaway Creek at Milford	31°22'58"	84°32'52"	620	Sept. 1, 1905	to	Dec. 31, 1907
					Oct. 1, 1939	to	current year
					Jan. 1, 1942	to	May 31, 1952
02354000	Alligator Creek near Milford	31°21'17"	84°33'58"	14.0	Jan. 1, 1942	to	May 31, 1952
02354500	Chickasawhatchee Creek at Elmodel	31°21'09"	84°29'10"	320	Oct. 1, 1939	to	Dec. 31, 1949
					July 28, 1995	to	current year
02354800	Ichawaynochaway Creek near Elmodel	31°17'42"	84°29'17"	1,000	Apr. 15, 1995	to	current year
02355000	Ichawaynochaway Creek near Newton	31°16'00"	84°29'00"	1,020	Aug. 10, 1937	to	Mar. 31, 1939
					Oct. 1, 1939	to	Sept. 30, 1947
					Apr. 15, 1995	to	current year
02355350	Ichawaynochaway Creek below Newton	31°12'48"	84°28'24"	1,040	Apr. 15, 1995	to	current year
02355500	Big Cypress Creek near Milford	31°15'15"	84°36'18"	12.0	Jan. 1, 1942	to	Dec. 31, 1949
02356000	Flint River at Bainbridge	30°54'41"	84°34'48"	7,570	Oct. 1, 1907	to	Dec. 31, 1913
					Oct. 1, 1928	to	Sept. 30, 1971
					Feb. 1, 1945	to	Dec. 31, 1949
02356500	Long Branch near Damascus	31°17'55"	84°42'11"	18.0	Mar. 1, 1993	to	Sept. 30, 1995
02356980	Aycocks Creek near Boykin	31°05'11"	84°44'12"	105	June 11, 1937	to	Apr. 30, 1971
02357000	Spring Creek near Iron City	31°02'23"	84°44'18"	485	Dec. 20, 1976	to	Sept. 30, 1978
					June 7, 1982	to	current year
					July 1, 1904	to	Dec. 31, 1905
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	Dec. 12, 1918	to	June 30, 1921
					Mar. 17, 1937	to	Sept. 30, 1977
					May 4, 1907	to	Dec. 31, 1907
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Dec. 10, 1918	to	June 30, 1921
					Feb. 26, 1953	to	Sept. 30, 1969
					Oct. 1, 1938	to	Dec. 31, 1949
02380000	Ellijay River at Ellijay	34°41'06"	84°28'40"	87.7	June 1, 1963	to	current year
					Oct. 1, 1939	to	Dec. 31, 1942
					Sept. 12, 1925	to	Dec. 10, 1931
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Oct. 1, 1961	to	Sept. 30, 1964
					Oct. 1, 1974	to	current year
					July 22, 1986	to	Jan. 16, 1991
02381000	Mountaintown Creek near Ellijay	34°45'00"	84°33'25"	31.5	Oct. 1, 1939	to	Dec. 31, 1942
02381500	Coosawattee River near Carters	34°36'45"	84°40'15"	374	Sept. 1, 1896	to	Dec. 1, 1908
					Dec. 21, 1918	to	Sept. 30, 1923
					Oct. 1, 1961	to	Sept. 7, 1972
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct. 1, 1974	to	current year
					May 1, 1959	to	Sept. 30, 1974
					Aug. 1, 1986	to	Apr. 2, 1991
02381950	Scarecorn Creek above Hinton	34°27'11"	84°33'28"	6.4	Nov. 1, 1973	to	current year
02382000	Scarecorn Creek at Hinton	34°28'04"	84°35'30"	21.3	Oct. 1, 1963	to	Sept. 30, 1971
					Sept. 1, 1896	to	Dec. 1, 1908
					Dec. 21, 1918	to	Sept. 30, 1923
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Oct. 1, 1961	to	Sept. 7, 1972
					Oct. 1, 1974	to	current year
					Oct. 1, 1951	to	Sept. 30, 1974
02382300	Talking Rock Creek near Carters	34°35'20"	84°40'05"	142	Nov. 11, 1938	to	current year
02382500	Coosawattee River at Carters	34°36'13"	84°41'44"	521	May 27, 1929	to	Dec. 31, 1931
					Oct. 1, 1943	to	Dec. 31, 1947
					Oct. 1, 1981	to	current year
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Jan. 30, 1985	to	current year
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Oct. 1, 1939	to	Dec. 31, 1942
02384000	Conasauga River near Tennga	35°00'34"	84°44'02"	108	Aug. 1, 1943	to	Sept. 30, 1959
					June 1, 1960	to	current year
					Apr. 1, 1939	to	June 30, 1940
02384500	Conasauga River near Eton	34°49'40"	84°51'03"	252	Apr. 1, 1939	to	June 30, 1940
02384540	Mill Creek near Crandall	34°52'19"	84°43'17"	8.27	Jan. 30, 1985	to	current year
02385000	Coahulla Creek near Varnell	34°53'43"	84°55'15"	86.7	Oct. 1, 1939	to	Dec. 31, 1942
02385500	Mill Creek at Dalton	34°47'18"	84°58'30"	40.1	Aug. 1, 1943	to	Sept. 30, 1959
02385800	Holly Creek near Chatsworth	34°43'00"	84°46'12"	64.0	June 1, 1960	to	current year
02386000	Rock Creek at Ramhurst	34°42'42"	84°44'03"	16.5	Apr. 1, 1939	to	June 30, 1940

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02386500	Drowning Bear Creek near Dalton	34°43'30"	84°56'12"	13.9	Apr. 1, 1939	to	June 30, 1940
02387000	Conasauga River at Tilton	34°40'00"	84°55'42"	687	June 5, 1937	to	current year
02387500	Oostanaula River at Resaca	34°34'42"	84°56'29"	1,600	Nov. 1, 1892	to	current year
02388000	West Armuchee Creek near Subligna	34°34'04"	85°09'16"	36.4	Apr. 1, 1939	to	June 30, 1940
					May 1, 1960	to	Apr. 27, 1982
02388300	Heath Creek near Rome	34°21'57"	85°16'17"	14.7	May 9, 1968	to	Sept. 30, 1989
02388320	Heath Creek below Rocky Mountain Dam site, near Armuchee	34°22'18"	85°15'50"	16.6	Mar. 2, 1982	to	current year
02388500	Oostanaula River near Rome	34°18'02"	85°08'30"	2,120	Oct. 1, 1939	to	current year
02389000	Etowah River near Dawsonville	34°22'57"	84°03'21"	107	Mar. 20, 1940	to	Sept. 30, 1976
02389300	Shoal Creek near Dawsonville	34°25'13"	84°08'47"	21.7	June 1, 1958	to	Sept. 30, 1974
02389500	East Amicalola Creek at Juno	34°28'28"	84°11'55"	28.5	Apr. 1, 1939	to	Sept. 30, 1942
02390000	Amicalola Creek near Dawsonville	34°25'32"	84°12'43"	89.0	Apr. 1, 1939	to	May 31, 1952
02390500	Long Swamp Creek near Ballground	34°19'36"	84°20'41"	76.6	Oct. 1, 1918	to	Sept. 30, 1921
02391000	Etowah River near Ballground	34°19'05"	84°20'35"	477	Apr. 1, 1907	to	Dec. 31, 1915
					Oct. 1, 1918	to	Sept. 30, 1921
02391500	Sharp Mountain Creek near Ballground	34°20'15"	84°24'26"	63.8	Apr. 1, 1939	to	June 30, 1940
02392000	Etowah River at Canton	34°14'23"	84°29'47"	613	Oct. 1, 1896	to	Sept. 30, 1905
					Oct. 1, 1936	to	current year
02392500	Little River near Roswell	34°07'09"	84°23'18"	60.0	Jan. 1, 1947	to	Sept. 30, 1976
02394000	Etowah River at Allatoona Dam, above Cartersville	34°09'47"	84°44'28"	1,120	Sept. 1, 1938	to	current year
02394950	Hills Creek near Taylorsville	34°04'27"	84°57'02"	25.0	May 21, 1959	to	Sept. 30, 1974
02395000	Etowah River near Kingston	34°12'24"	84°58'44"	1,630	July 8, 1928	to	Dec. 31, 1931
					Oct. 1, 1936	to	Oct. 23, 1995
02395120	Two Run Creek near Kingston	34°14'34"	84°53'23"	33.1	May 2, 1980	to	current year
02395500	Dykes Creek near Rome	34°15'30"	85°05'01"	14.9	Jan. 1, 1939	to	Dec. 31, 1942
02395980	Etowah River at State Highway 1 Loop, near Rome	34°13'56"	85°07'01"	1801	Oct. 1, 1994	to	current year
02396000	Etowah River at Rome	34°15'26"	85°09'30"	1,820	Aug. 1, 1904	to	June 30, 1921
					Oct. 1, 1938	to	Sept. 30, 1994
02397000	Coosa River near Rome	34°12'01"	85°15'24"	4,040	Oct. 1, 1896	to	Dec. 31, 1903
					June 21, 1928	to	Dec. 31, 1931
					Mar. 10, 1937	to	Dec. 31, 1958
					Oct. 1, 1962	to	current year
02397410	Cedar Creek at Cedartown	33°59'45"	85°15'53"	66.9	May 4, 1981	to	current year
02397500	Cedar Creek near Cedartown	34°03'38"	85°18'41"	115	Oct. 1, 1942	to	Sept. 30, 1973
02397830	Harrisburg Creek near Hawkins	34°36'02"	85°23'21"	13.3	Oct. 1, 1979	to	Sept. 30, 1982
02398000	Chattooga River at Summerville	34°28'03"	85°20'19"	192	Mar. 11, 1937	to	current year
02411800	Little River near Buchanan	33°47'50"	85°07'05"	20.2	June 1, 1959	to	Sept. 30, 1985
02413000	Little Tallapoosa River at Carrollton	33°35'50"	85°04'49"	95.1	Apr. 1, 1937	to	Dec. 31, 1955
03544947	Brier Creek near Hiawassee	34°50'05"	83°42'34"	1.67	May 25, 1984	to	current year
03545000	Hiawassee River at Presley	34°54'17"	83°43'01"	45.5	Dec. 1, 1941	to	Mar. 31, 1982
03545500	Hightower Creek near Presley	34°54'59"	83°41'55"	32.4	Dec. 1, 1941	to	Sept. 30, 1945
03550500	Nottely River near Blairsville	34°50'28"	83°56'10"	74.8	Jan. 23, 1942	to	Mar. 31, 1982
03551000	Coosa Creek near Blairsville	34°51'05"	83°59'35"	21.1	Dec. 12, 1941	to	Sept. 30, 1945
03551500	Youngcane Creek near Youngcane	34°52'41"	84°03'57"	27.6	Jan. 21, 1942	to	Sept. 30, 1945
03552000	Ivylog Creek near Ivylog	34°56'26"	84°01'27"	16.7	Feb. 14, 1942	to	Sept. 30, 1945
03552500	Nottely River near Ivylog	34°55'32"	84°03'39"	191	Oct. 1, 1936	to	Jan. 31, 1942
03553500	Nottely River at Nottely Dam near Ivylog	34°57'55"	84°05'25"	215	July 1, 1942	to	Sept. 30, 1975
03558000	Toccoa River near Dial	34°47'24"	84°14'24"	177	Jan. 1, 1913	to	Oct. 1, 1996
03559000	Toccoa River near Blue Ridge	34°53'14"	84°17'07"	233	Oct. 1, 1898	to	Mar. 31, 1903
					Apr. 1, 1913	to	Aug. 31, 1974
03560000	Fightingtown Creek at McCaysville	34°58'53"	84°23'12"	70.9	Nov. 1, 1942	to	Sept. 30, 1971
03567129	Mill Creek near Cedar Grove	34°42'57"	85°25'59"	5.62	July 24, 1986	to	Mar. 31, 1988
03568500	Chattanooga Creek near Flintstone	34°58'20"	85°19'40"	50.6	Jan. 1, 1951	to	Sept. 30, 1974
03568782	Hurricane Creek near Rising Fawn	34°45'48"	85°30'12"	4.28	July 25, 1986	to	May 31, 1987
03568933	Lookout Creek near New England	34°53'51"	85°27'47"	149	Aug. 30, 1979	to	current year
03569000	Lookout Creek near Wildwood	34°57'22"	85°24'12"	165	Aug. 7, 1945	to	Feb. 28, 1946
					Apr. 1, 1946	to	Aug. 15, 1946

ACTIVE AND DISCONTINUED WATER-QUALITY MONITORING STATIONS

The following list contains discontinued and currently operated continuous-record water-quality stations on streams within the State of Georgia and its border with adjacent States. Daily water-quality records were collected and published for the periods of record shown for each station. The characteristics and constituents are denoted by the following codes: K, Specific Conductance; T, Water Temperature; pH, pH; DO, Dissolved Oxygen; SS, Suspended Sediment; SSQ, Suspended-sediment Discharge; Cl, Chloride.

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record
02178400	Tallulah River near Clayton	34° 53' 25"	83° 31' 50"	T	Oct. 1964 to Sept. 1979
02190200	Toms Creek Tributary near Avalon	34° 29' 35"	83° 13' 23"	SS	Mar. 1965 to Sept. 1965
02192000	Broad River near Bell	33° 58' 27"	82° 46' 12"	SS	Oct. 1963 to Sept. 1964
02193500	Little River near Washington	33° 36' 46"	82° 44' 33"	SSQ	Oct. 1963 to Sept. 1964
02197000	Savannah River at Augusta	33° 22' 25"	81° 56' 35"	T	Jun. 1972 to Sept. 1994
02197320	Savannah River near Jackson, S.C.	33° 13' 01"	81° 46' 04"	T	Oct. 1971 to Sept. 1994
02197370	Savannah River below Steel Creek near Millet, S.C.	33° 04' 58"	81° 35' 54"	T	Oct. 1971 to Sept. 1994
02197500	Savannah River at Burtons Ferry Bridge near Millhaven	32° 56' 20"	81° 30' 10"	T	Oct. 1960 to Oct. 1974
02198000	Brier Creek at Millhaven	32° 56' 00"	81° 39' 05"	SS	Oct. 1963 to Sept. 1964
02198500	Savannah River near Clyo	32° 31' 30"	81° 15' 45"	T	May 1938 to Apr. 1939
					Jan. 1974 to July 1977
				K	Jan. 1974 to July 1977
02198810	Abercorn Creek near Savannah	32° 15' 20"	81° 10' 42"	K	Oct. 1986 to Nov. 1989
02198840	Savannah River near Port Wentworth	32° 14' 08"	81° 09' 05"	K	Oct. 1986 to current year
02198920	Savannah River at Port Wentworth	32° 09' 57"	81° 09' 14"	K	Oct. 1987 to current year
021989784	Little Back River above Lucknow Canal near Limehouse, S.C.	32° 11' 08"	81° 07' 05"	K	May 1990 to current year
021989785	Lucknow Canal near Limehouse, S.C.	32° 08' 32"	81° 05' 54"	K	Oct. 1986 to Dec. 1990
02198979	Little Back River near Limehouse, S.C.	32° 11' 05"	81° 07' 02"	K	Oct. 1986 to Dec. 1994
021989791	Little Back River at U.S. Fish and Wildlife Dock, near Limehouse, S.C.	32° 10' 14"	81° 07' 06"	K	Oct. 1989 to current year
021989797	Back River at Hutchinson Island at Savannah	32° 05' 30"	81° 04' 07"	T	Apr. 1989 to Aug. 1989
				K	Apr. 1989 to Aug. 1989
				DO	Apr. 1989 to Aug. 1989
021989798	Back River at Fig Island at Savannah	32° 05' 17"	81° 03' 35"	T	Apr. 1989 to Aug. 1989
				K	Apr. 1989 to Aug. 1989
				DO	Apr. 1989 to Aug. 1989
021989799	Back River at mouth at Savannah	32° 05' 08"	81° 02' 50"	T	May 1989 to Aug. 1989
				K	May 1989 to Aug. 1989
				DO	May 1989 to Aug. 1989
02202500	Ogeechee River near Eden	32° 11' 29"	81° 24' 58"	T	Oct. 1972 to Sept. 1981
				K	Oct. 1975 to Mar. 1981
				SS	Oct. 1963 to Sept. 1964
				SSQ	Oct. 1963 to Sept. 1964
02203576	North Newport River at Halfmoon Landing	31° 41' 34"	81° 16' 23"	T	Mar. 1967 to July 1968
				K	Mar. 1967 to July 1968
				DO	Mar. 1967 to July 1968
				pH	Mar. 1967 to July 1968
02203578	North Newport River at Halfmoon Landing	31° 41' 43"	81° 16' 18"	T	July 1970 to Oct. 1976
				K	July 1970 to Oct. 1976
				DO	July 1970 to Oct. 1976
				pH	July 1970 to Oct. 1976
02204070	South River at Klondike Road, near Lithonia	33° 37' 47"	84° 07' 43"	T	Nov. 1983 to current year
				DO	Nov. 1983 to current year
02208450	Alcovy River above Covington	33° 38' 24"	83° 46' 45"	T	May 1972 to Sept. 1978
02212600	Falling Creek near Juliette	33° 05' 59"	83° 43' 25"	T	Aug. 1965 to Sept. 1979
				K	Oct. 1969 to Sept. 1970
02213000	Ocmulgee River at Macon	32° 50' 19"	83° 37' 14"	SS	Oct. 1960 to Sept. 1961
				SSQ	Oct. 1960 to Sept. 1961
02213700	Ocmulgee River near Warner Robins	32° 40' 17"	83° 36' 11"	T	Feb. 1970 to current year
				K	Feb. 1970 to current year
				DO	Feb. 1970 to current year
				pH	Feb. 1970 to current year
02218500	Oconee River near Greensboro	33° 34' 52"	83° 16' 22"	SS	Oct. 1963 to Sept. 1964
				SSQ	Oct. 1963 to Sept. 1964

ACTIVE AND DISCONTINUED WATER-QUALITY MONITORING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record
02223500	Oconee River near Dublin	32° 32' 40"	82° 53' 41"	T	June 1979 to Sept. 1983
				SS	Oct. 1963 to Sept. 1964
				SSQ	Oct. 1963 to Sept. 1964
02225000	Altamaha River near Baxley	31° 56' 20"	82° 21' 13"	T	Dec. 1970 to Oct. 1976
				K	June 1971 to Oct. 1976
				DO	May 1971 to Oct. 1976
				pH	May 1971 to Oct. 1976
				CI	May 1971 to Oct. 1976
02226000	Altamaha River at Doctortown	31° 39' 16"	81° 49' 41"	T	Nov. 1967 to Sept. 1978
				K	Oct. 1975 to Sept. 1978
02226160	Altamaha River at Everett City	31° 25' 37"	81° 36' 20"	T	Oct. 1969 to Feb. 1986
				K	Oct. 1969 to Feb. 1986
				DO	Oct. 1969 to Feb. 1986
				pH	Nov. 1969 to Feb. 1986
02228000	Satilla River at Atkinson	31° 13' 16"	81° 52' 03"	T	Nov. 1974 to Sept. 1981
				K	Feb. 1975 to Sept. 1981
02316000	Alapaha River near Alapaha	31° 23' 03"	83° 11' 33"	T	Oct. 1953 to July 1957
02317500	Alapaha River at Statenville	30° 42' 14"	83° 02' 00"	SS	Oct. 1961 to Sept. 1962
				SSQ	Oct. 1961 to Sept. 1962
02334430	Chattahoochee River at Buford Dam	34° 09' 25"	84° 04' 44"	T	Aug. 1975 to Oct. 1977
02335000	Chattahoochee River near Norcross	33° 59' 50"	84° 12' 07"	T	Oct. 1976 to Sept. 1971
02336000	Chattahoochee River at Atlanta	33° 51' 33"	84° 27' 16"	T	Nov. 1975 to Oct. 1976
02336479	Chattahoochee River at Plant McDonough at Atlanta	33° 49' 25"	84° 28' 28"	T	Sept. 1975 to Sept. 1976
02336490	Chattahoochee River at State Route 280 at Atlanata	33° 49' 01"	84° 28' 48"	T	Sept. 1975 to Oct. 1976
02337170	Chattahoochee River near Fairburn	33° 39' 24"	84° 40' 25"	T	Aug. 1975 to current year
				K	Aug. 1975 to current year
				DO	July 1976 to current year
				pH	July 1976 to current year
02338000	Chattahoochee River near Whitesburg	33° 28' 37"	84° 54' 04"	T	Aug. 1975 to Sept. 1984
02338660	New River near Corinth	33° 14' 07"	84° 59' 16"	T	Oct. 1978 to Sept. 1984
02338840	Yellowjacket Creek below Hogansville	33° 08' 22"	84° 58' 31"	T	Nov. 1978 to Sept. 1982
02347500	Flint River near Culloden	32° 43' 17"	84° 13' 57"	T	June 1960 to Sept. 1964
				SS	Oct. 1961 to Sept. 1962
				SSQ	Oct. 1961 to Sept. 1962
02352500	Flint River at Albany	31° 35' 39"	84° 08' 39"	T	Feb. 1957 to Sept. 1958
				SSQ	Oct. 1961 to Jan. 1962
02352790	Flint River near Putney	31° 26' 39"	84° 08' 16"	T	July 1979 to June 1984
02382500	Coosawattee River at Carters	34° 36' 13"	84° 41' 44"	T	Apr. 1978 to Sept. 1981
02282720	Coosawattee River near Nickelsville	34° 36' 03"	84° 46' 42"	T	Oct. 1974 to Sept. 1981
02383500	Coosawattee River near Pine Chapel	34° 33' 51"	84° 49' 59"	T	Sept. 1974 to Sept. 1981
				SS	Oct. 1960 to Sept. 1963
				SSQ	Jan. 1960 to Sept. 1963
02384540	Mill Creek near Crandall	34° 52' 19"	84° 43' 17"	T	Mar. 1985 to Apr. 1987
				K	Mar. 1985 to Mar. 1987
				DO	Mar. 1985 to Apr. 1987
				pH	Mar. 1985 to Apr. 1987
02387000	Conasauga River at Tilton	34° 40' 00"	84° 55' 42"	T	Sept. 1975 to current year
				K	Sept. 1975 to current year
				DO	Sept. 1975 to current year
				pH	Sept. 1975 to current year
				SS	Oct. 1962 to Sept. 1963
				SSQ	Oct. 1962 to Sept. 1963
02387500	Oostanaula River at Resaca	34° 34' 42"	84° 56' 29"	T	July 1967 to Sept. 1984

ACTIVE AND DISCONTINUED WATER-QUALITY MONITORING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Characteristic/ Constituent Code	Period(s) of record
02392000	Etowah River at Canton	34° 14' 23"	84° 29' 47"	T SSQ	June 1971 to Sept. 1963 Oct. 1962 to Sept. 1963
02392500	Little River near Roswell	34° 07' 09"	84° 23' 18"	T	Jan. 1971 to Sept. 1976
02397000	Coosa River near Rome	34° 12' 01"	85° 15' 24"	T	Feb. 1986 to current year
02397080	Coosa River at Plant Hammond near Coosa	34° 14' 58"	85° 20' 09"	T	Feb. 1986 to Sept. 1987
02397100	Coosa River at State Highway 100 near Coosa	34° 14' 55"	85° 21' 20"	T	Feb. 1986 to Sept. 1987
02397530	Coosa River near Coosa	34° 11' 54"	85° 26' 46"	T K DO pH	June 1975 to July 1975 Aug. 1976 to current year June 1975 to July 1975 Aug. 1976 to current year June 1975 to current year June 1975 to July 1975 Aug. 1976 to current year
03558000	Toccoa River near Dial	34° 47' 24"	84° 14' 24"	T	July 1964 to Sept. 1967
03568933	Lookout Creek near New England	34° 53' 51"	85° 27' 47"	T	Nov. 1980 to Sept. 1984

GROUND-WATER LEVELS

CHARLTON COUNTY

304942082213801 Local number, 27E004.

LOCATION.—Lat 30°49'43", long 82°21'38", Hydrologic Unit 03110201.

SITE NAME.—U.S. Geological Survey, test well OK-9.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

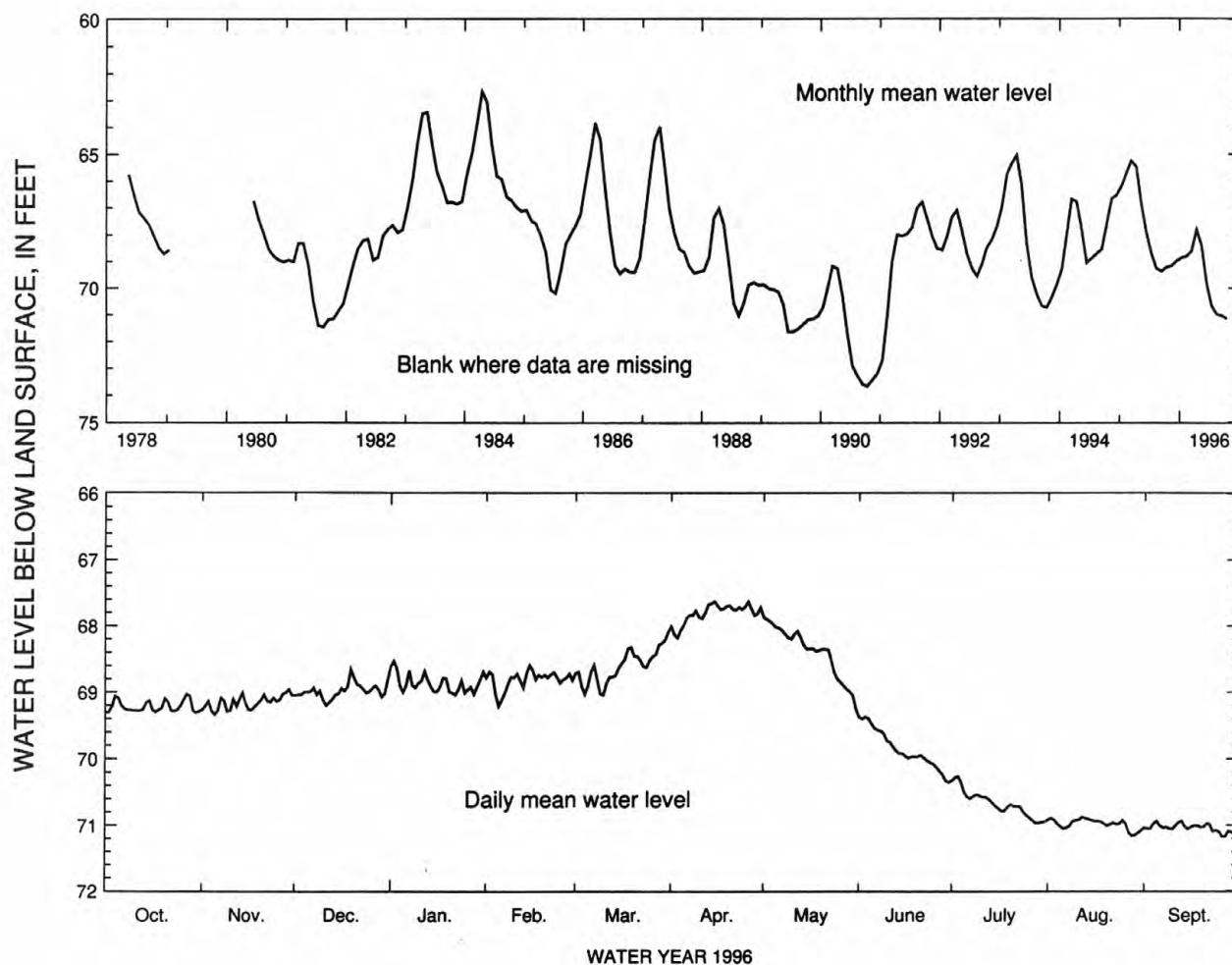
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 700 ft, cased to 498 ft, open hole.

DATUM.—Altitude of land-surface datum is 116 ft.

REMARKS.—Well drilled in May 1978 to replace U.S. Geological Survey test well OK-8 (27E002).

PERIOD OF RECORD.—May 1978 to current year. Continuous record since June 1980.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 62.30 ft below land-surface datum, May 9, 1984; lowest, 73.91 ft below land-surface datum, October 7-8, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	69.03	68.96	68.65	68.53	68.59	68.09	67.63	67.87	69.37	70.27	70.88	70.94
MEAN	69.22	69.16	68.98	68.86	68.81	68.61	67.81	68.38	69.85	70.68	70.98	71.04
LOW	69.31	69.34	69.20	69.04	69.21	69.04	68.18	69.26	70.36	70.97	71.16	71.17

WATER YEAR 1996

HIGH 67.63 (Apr. 15 and 26, 1996)

MEAN 69.37

LOW 71.17 (Sept. 26-27, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

315950081161201 Local number, 35P094.

LOCATION.—Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204.

SITE NAME.—University of Georgia.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Surficial (sand of Holocene and Pleistocene age).

WELL CHARACTERISTICS.—Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

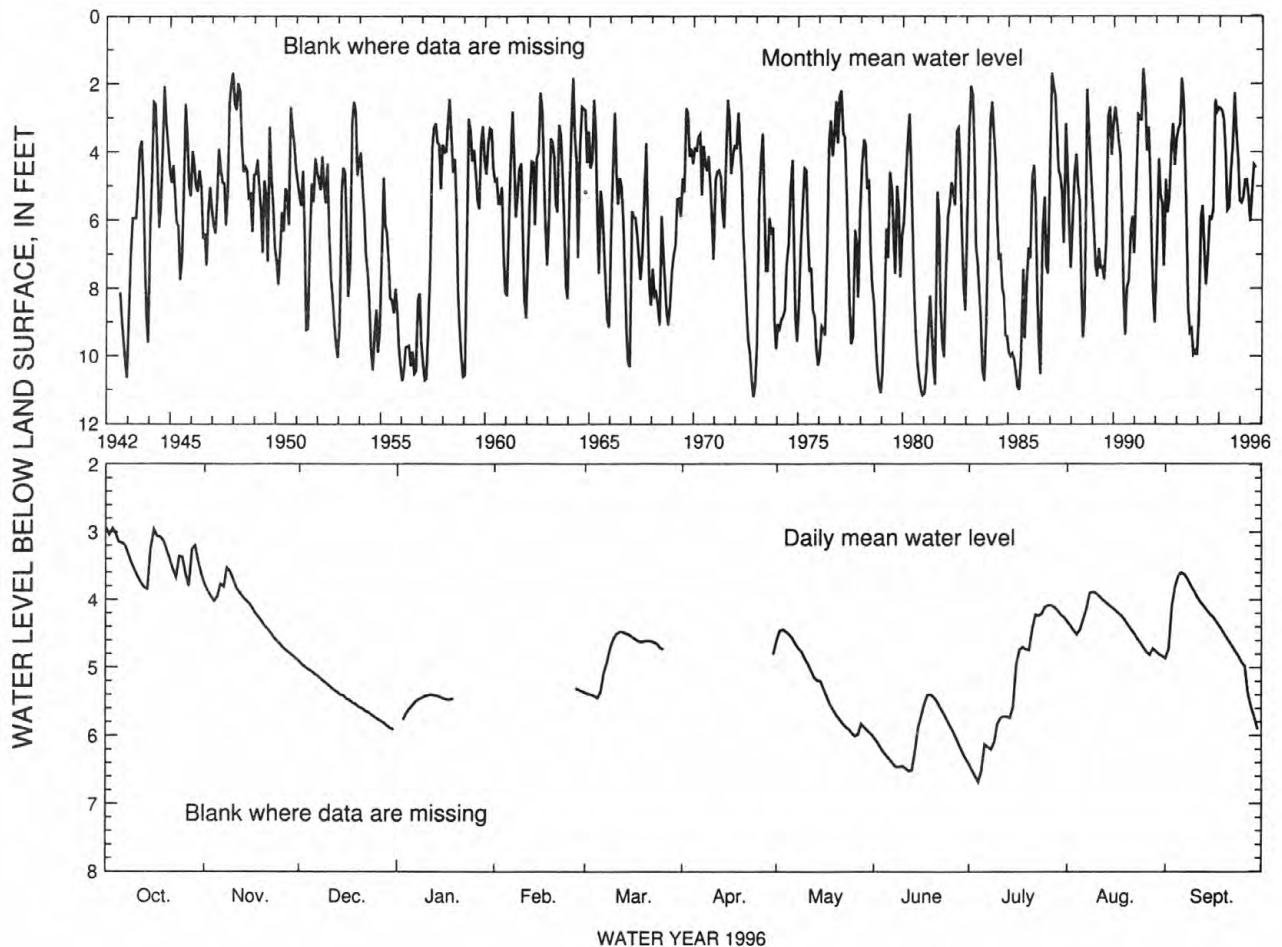
DATUM.—Altitude of land-surface datum is 18.67 ft.

REMARKS.—Responds quickly to precipitation. Water levels for periods, January 1-2, 1996, January 20 to February

26, 1996, and March 27 to April 29, 1996, are missing.

PERIOD OF RECORD.—August 1942 to current year. Continuous record since August 1942.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.05 ft below land-surface datum, September 26, 1953; lowest, 12.28 ft below land-surface datum, November 30, 1972.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	2.94	3.53	4.91	-----	-----	4.48	-----	4.44	5.40	4.08	3.88	3.60
MEAN	3.35	4.19	5.44	-----	-----	4.81	-----	5.29	6.04	5.21	4.36	4.45
LOW	3.84	4.87	5.91	-----	-----	5.45	-----	6.01	6.52	6.68	4.83	5.91

WATER YEAR 1996 HIGH 2.94 (Oct. 1, 1995) MEAN 4.84 LOW 6.68 (July 4, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

320021081124801 Local number, 36Q020.

LOCATION.—Lat 32°00'18", long 81°12'48", Hydrologic Unit 03060204.

SITE NAME.—H. J. Morrison.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

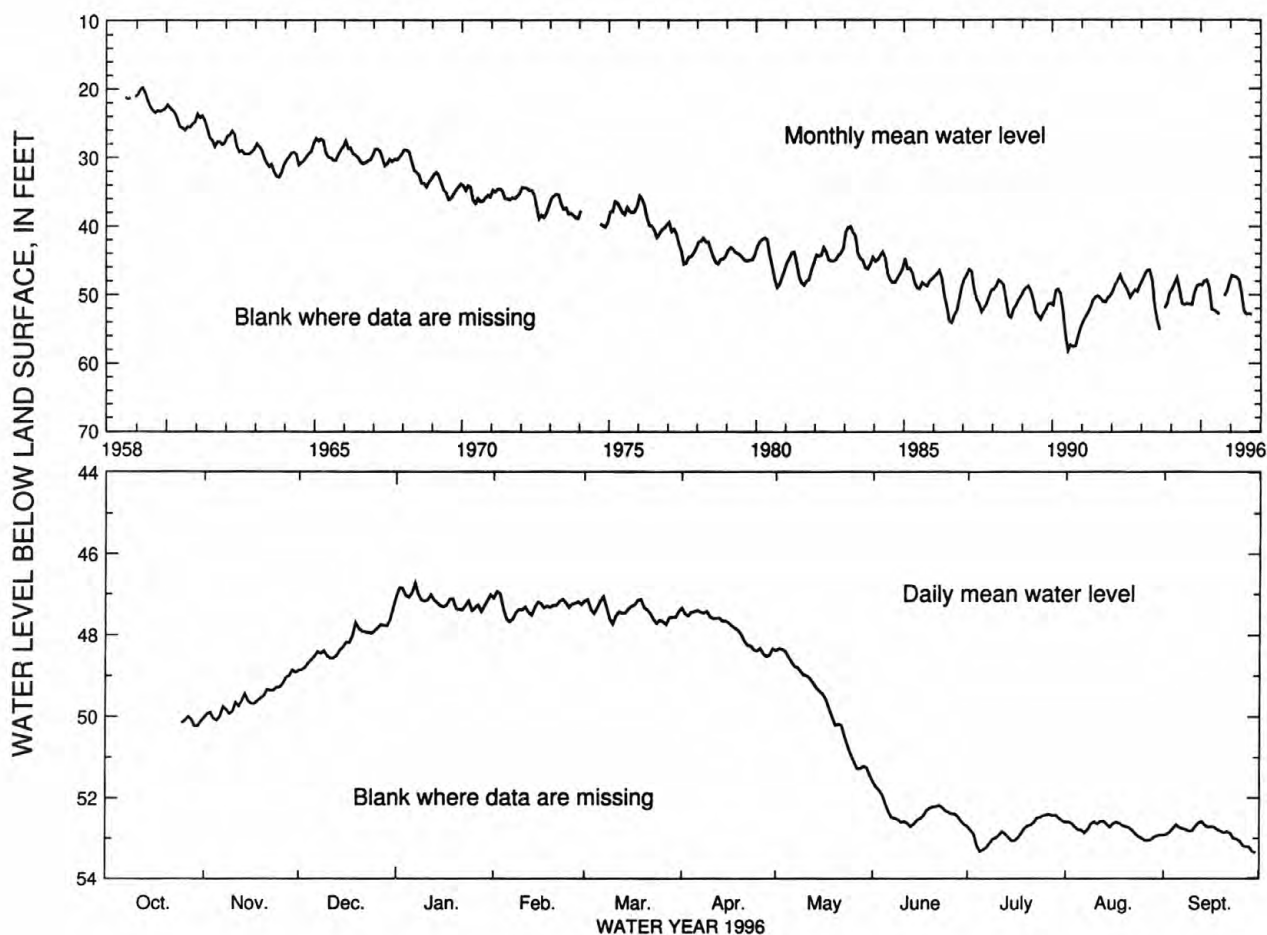
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 3 in., depth 365 ft, cased to 330 ft, open hole.

DATUM.—Altitude of land-surface datum is 13 ft.

REMARKS.—Water levels for period, October 1-24, 1995, are missing.

PERIOD OF RECORD.—March 1958 to current year. Continuous record since August 1958.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.66 ft below land-surface datum, June 28, 1958; lowest, recorded, 58.56 ft below land-surface datum, July 12, 1990, but may have been lower during period of missing record, July 13-22, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	-----	48.85	47.34	46.72	46.93	47.06	47.33	48.33	51.60	52.41	52.57	52.58
MEAN	-----	49.56	48.19	47.15	47.30	47.42	47.84	49.71	52.34	52.81	52.76	52.87
LOW	-----	50.09	48.86	47.42	47.67	47.73	48.52	51.44	52.70	53.32	53.05	53.36

WATER YEAR 1996 HIGH 46.72 (Jan. 7, 1996) MEAN 49.83 LOW 53.36 (Sept. 30, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

320122080510204 Local number, 39Q003.

LOCATION.—Lat 32°01'22", long 80°51'01", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 7.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

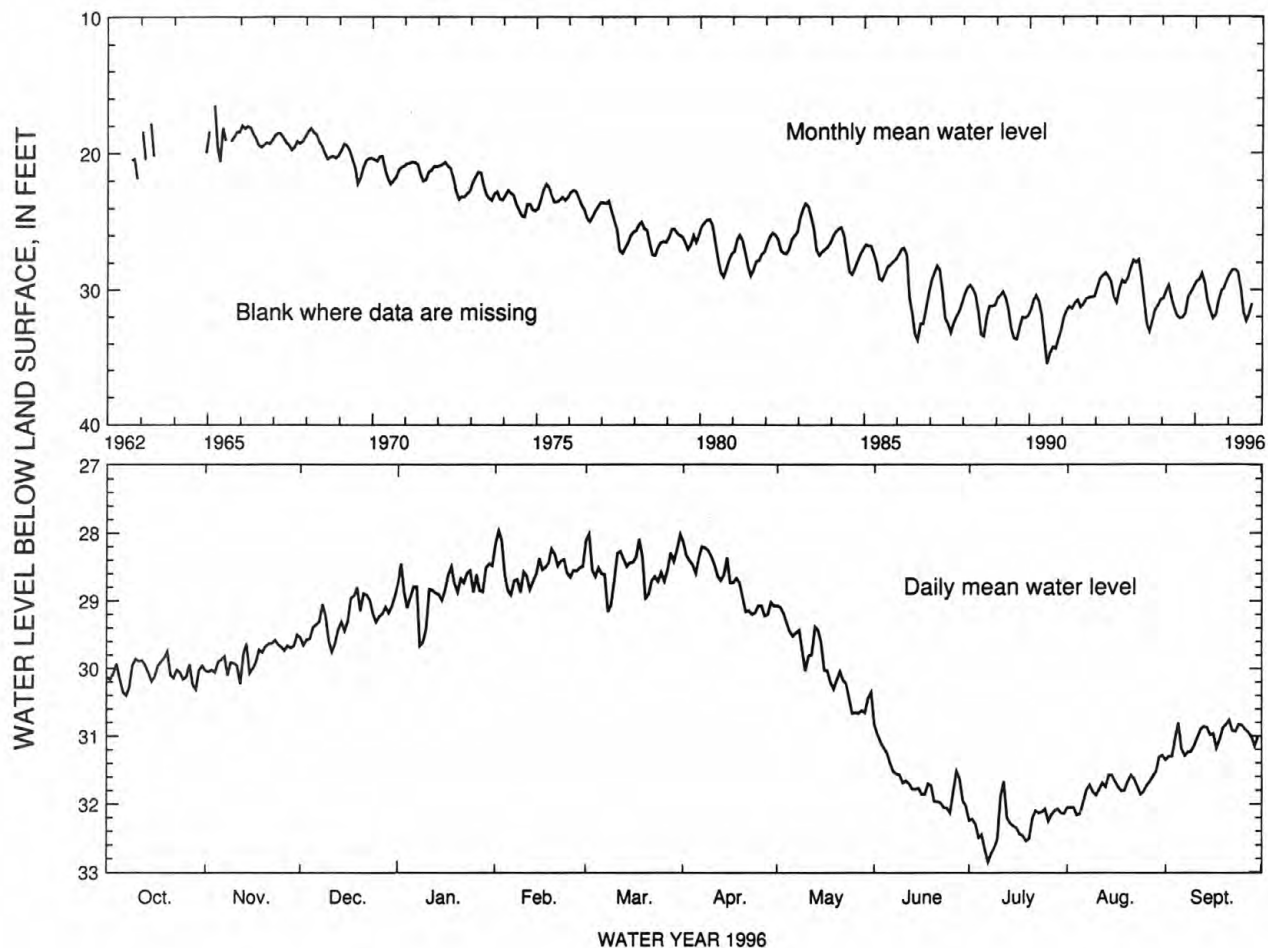
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in., depth 600 ft, cased to 129 ft, open hole.

DATUM.—Altitude of land-surface datum is 7.0 ft.

REMARKS.—None.

PERIOD OF RECORD.—May 1962 to current year. Continuous record since December 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.80 ft below land-surface datum, April 11, 1963; lowest, 36.07 ft below land-surface datum, July 11-12, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	29.75	29.50	28.80	28.45	27.96	28.01	28.13	29.07	30.83	31.67	31.29	30.76
MEAN	30.06	29.83	29.25	28.82	28.52	28.51	28.71	29.93	31.67	32.30	31.76	31.02
LOW	30.40	30.23	29.75	29.66	28.91	29.16	29.22	30.66	32.13	32.85	32.16	31.35

WATER YEAR 1996

HIGH 27.96 (Feb. 2, 1996)

MEAN 30.04

LOW 32.85 (July 7, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

320202080541201 Local number, 38Q002.

LOCATION.—Lat 32°02'01", long 80°54'11", Hydrologic Unit 03060204.

SITE NAME.—National Park Service, Fort Pulaski, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

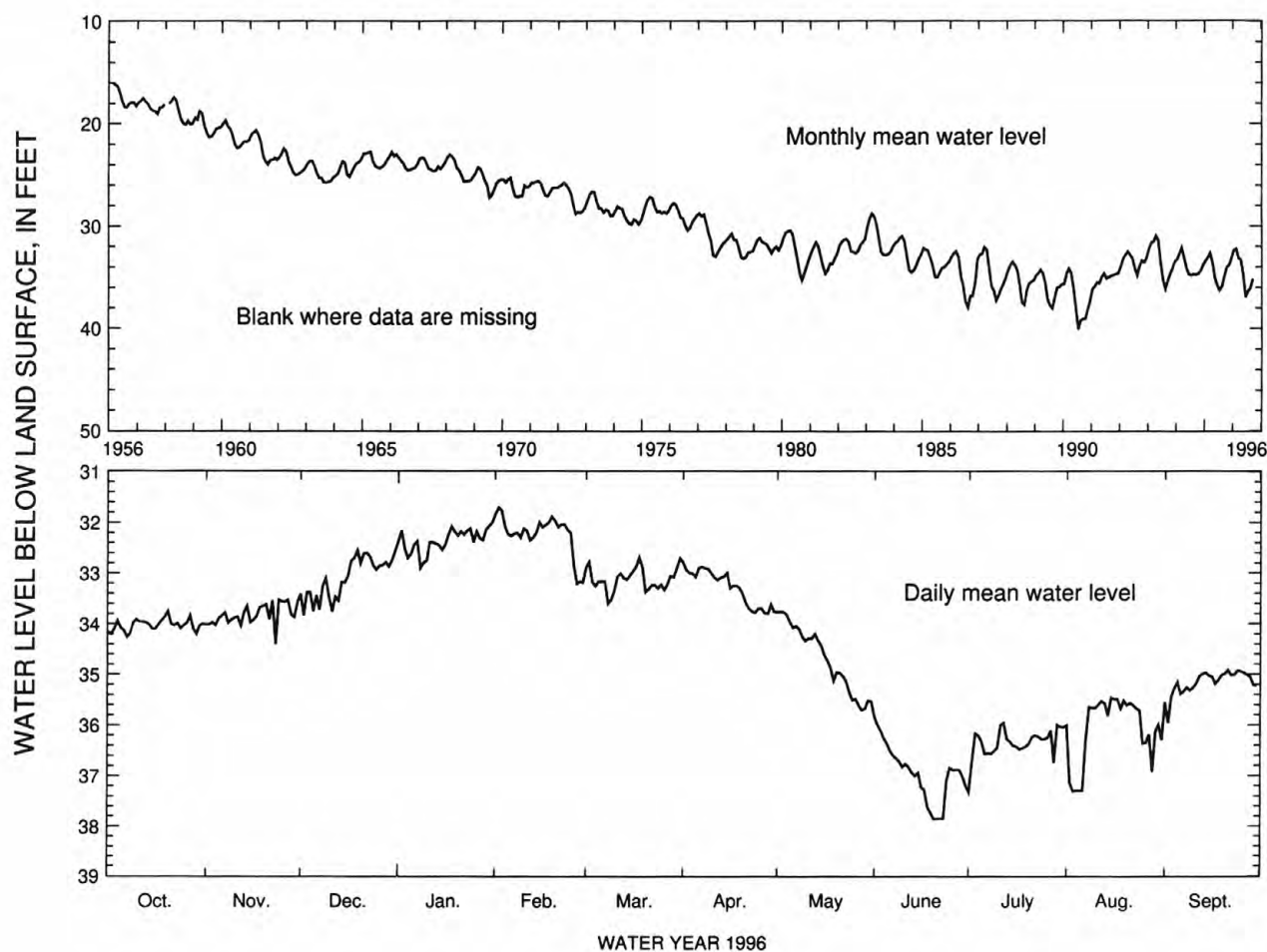
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.

DATUM.—Altitude of land-surface datum is 8.0 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1956 to current year. Continuous record since February 1956.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 16.00 ft below land-surface datum, March 5, 1956; lowest, 40.69 ft below land-surface datum, July 16, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	33.75	33.53	32.55	32.00	31.71	32.69	32.79	33.76	35.84	35.96	35.46	34.92
MEAN	34.03	33.82	33.10	32.36	32.23	33.13	33.28	34.69	36.95	36.36	36.07	35.16
LOW	34.26	34.40	33.83	32.90	33.21	33.60	33.80	35.71	37.86	37.33	37.31	35.96

WATER YEAR 1996 HIGH 31.71 (Feb. 2, 1996) MEAN 34.27 LOW 37.86 (June 20, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

320530081085001 Local number, 36Q008.

LOCATION.—Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204.

SITE NAME.—Layne-Atlantic Company.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

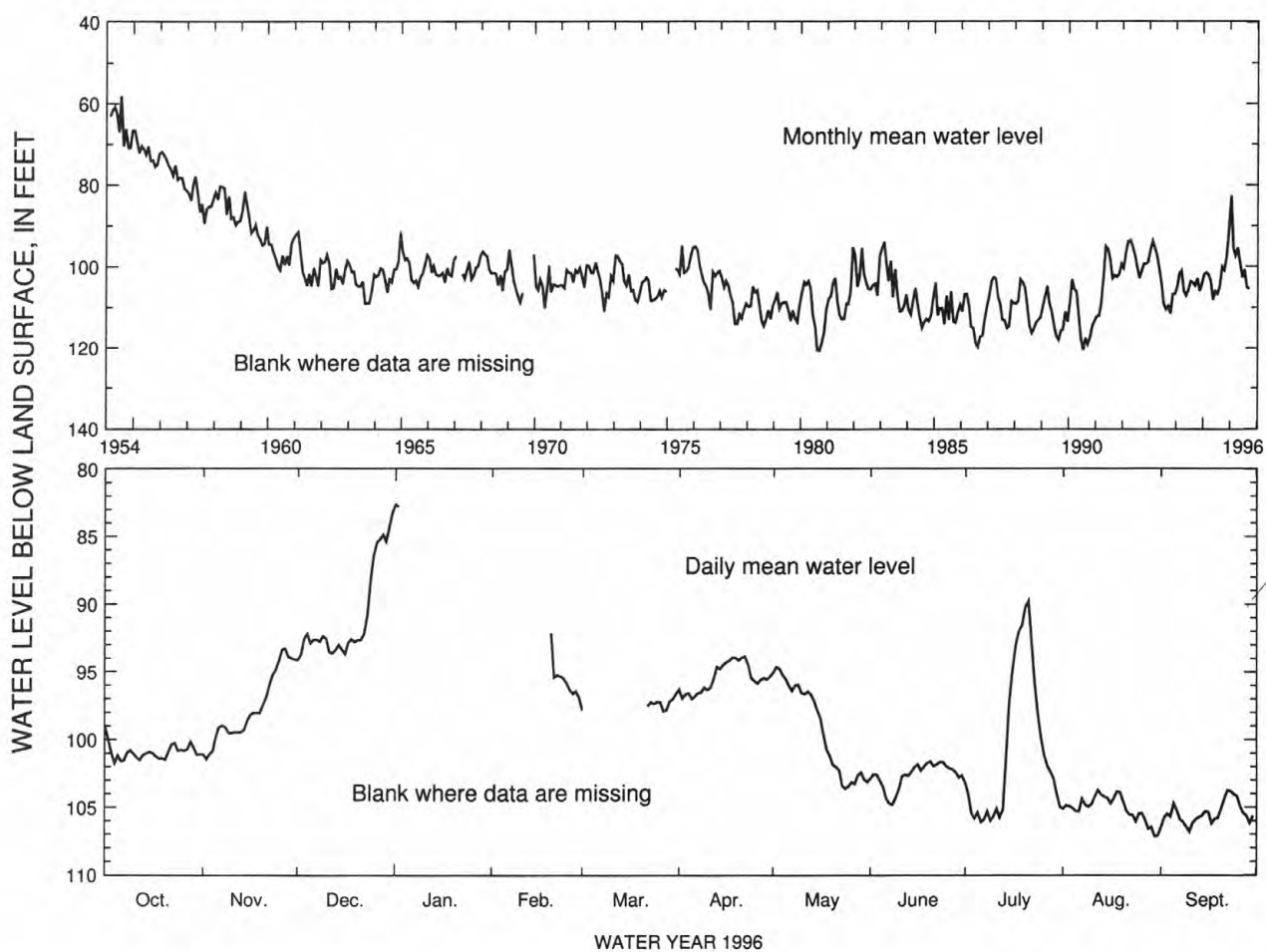
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 406 ft, cased to 250 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.91 ft.

REMARKS.—Water levels for periods, January 3 to February 19, 1996 and March 2-21, 1996, are missing.

PERIOD OF RECORD.—February 1954 to current year. Continuous record since February 1954.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.17 ft below land-surface datum, July 11, 1954; lowest, 124.40 ft below land-surface datum, August 30, 1980.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	99.06	93.30	83.19	----	----	----	93.85	94.64	101.61	89.75	103.74	103.77
MEAN	100.94	97.76	90.93	----	----	----	95.44	99.20	102.66	100.73	105.10	105.46
LOW	101.76	101.43	94.12	----	----	----	97.00	103.63	104.80	106.09	107.13	106.80

WATER YEAR 1996

HIGH 82.62 (Jan. 1, 1996)

MEAN 99.45

LOW 107.13 (Aug. 30, 1996)

GROUND-WATER LEVELS

COOK COUNTY

310813083260301 Local number, 18H016.

LOCATION.—Lat 31°08'13", long 83°26'03", Hydrologic Unit 03110203.

SITE NAME.—U.S. Geological Survey, Adel test well.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

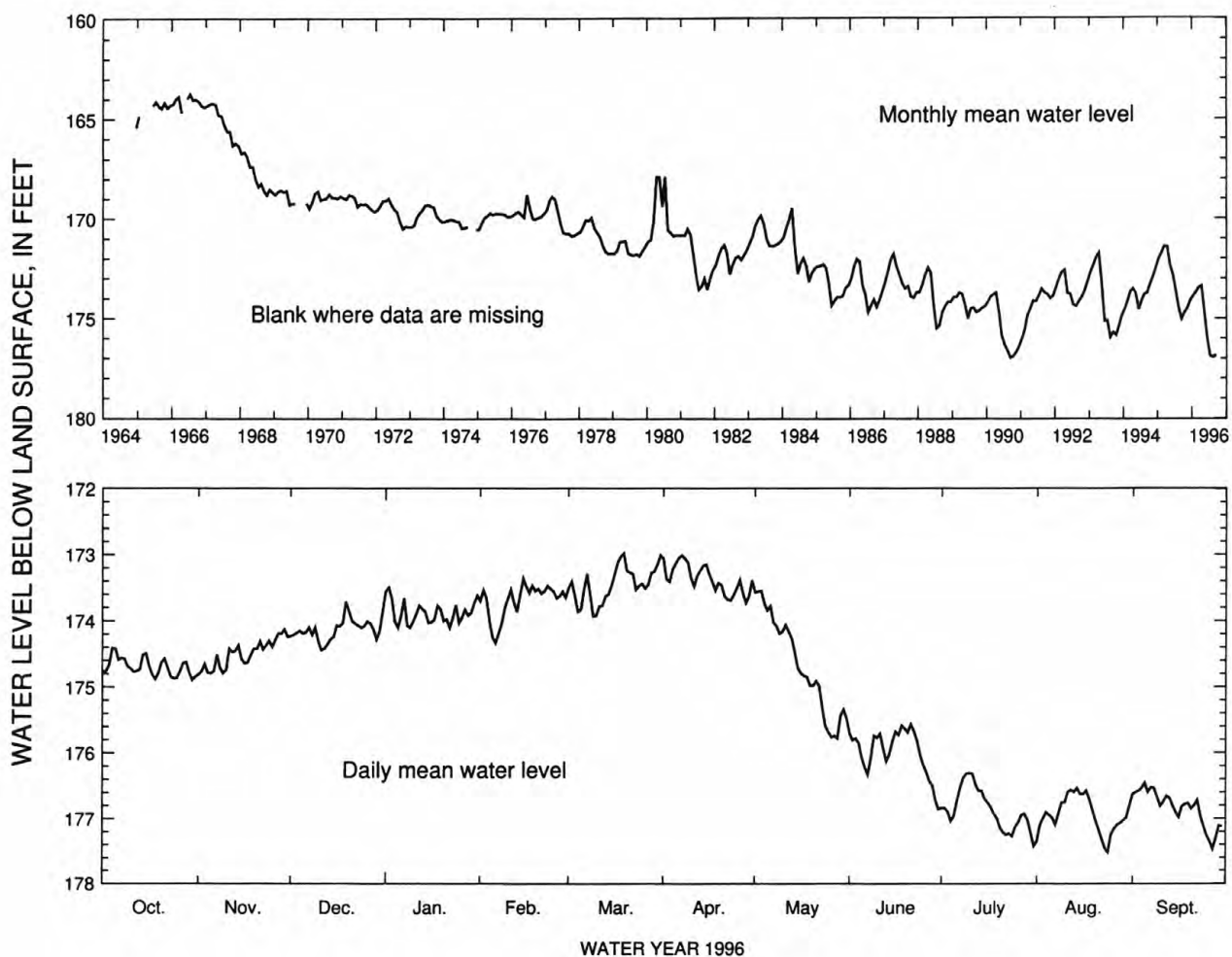
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 865 ft, cased to 207 ft, open hole.

DATUM.—Altitude of land-surface datum is 241 ft.

REMARKS.—None.

PERIOD OF RECORD.—December 1964 to current year. Continuous record since June 1965.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 163.34 ft below land-surface datum, July 5, 1966; lowest, 177.52 ft below land-surface datum, August 24, 1996.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	174.41	174.13	173.71	173.50	173.36	172.98	173.01	173.55	175.57	176.31	176.54	176.46
MEAN	174.70	174.50	174.13	173.88	173.69	173.45	173.37	174.66	175.98	176.87	176.95	176.84
LOW	174.89	174.81	174.44	174.10	174.33	173.93	173.73	175.78	176.86	177.42	177.52	177.47

WATER YEAR 1996

HIGH 172.98 (Mar. 19, 1996)

MEAN 174.92

LOW 177.52 (Aug. 24, 1996)

GROUND-WATER LEVELS

DECATUR COUNTY

305736084355801 Local number, 09F520.

LOCATION.—Lat 30°57'42", long 84°35'46", Hydrologic Unit 03130008.

SITE NAME.—Graham Bolton.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

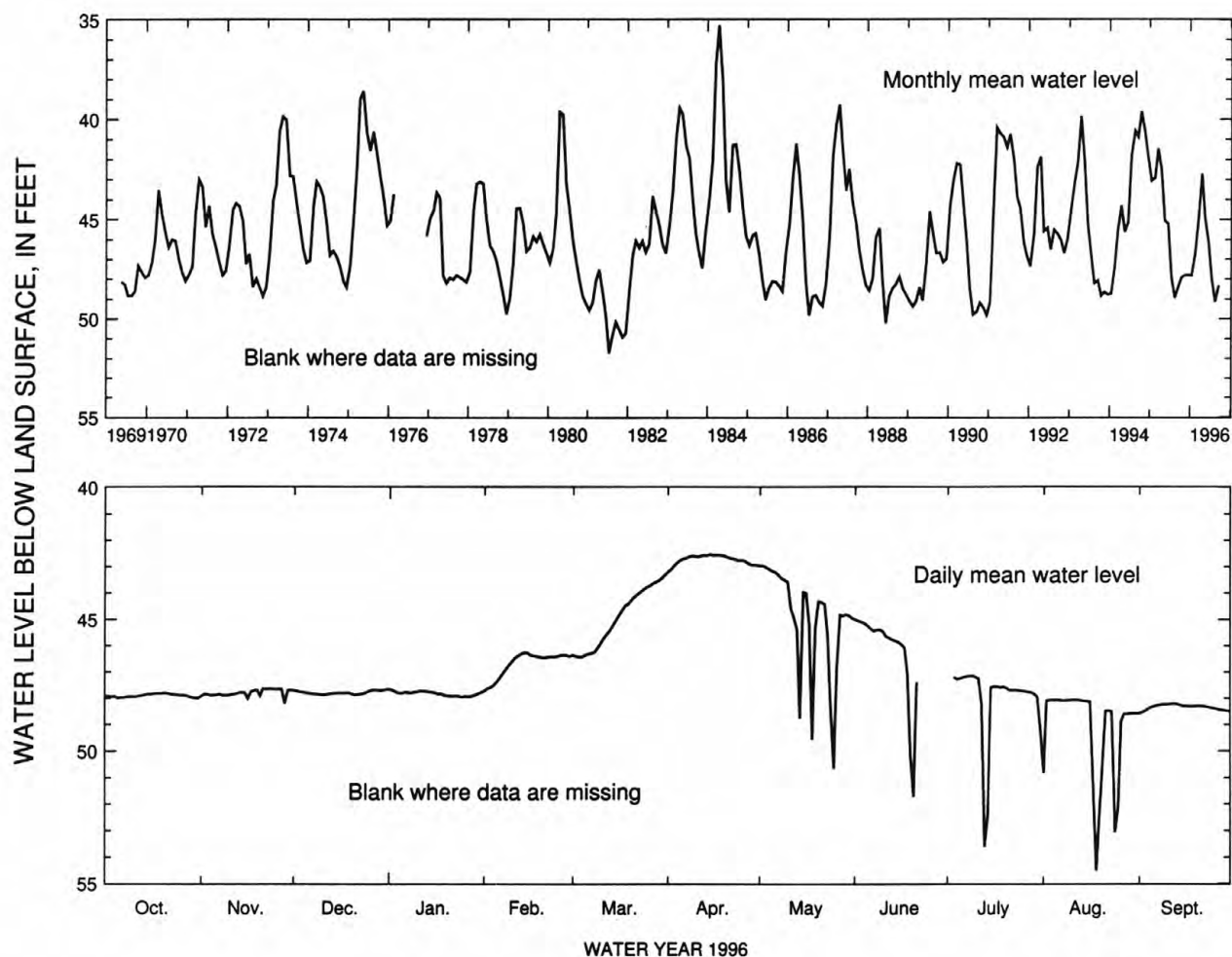
WELL CHARACTERISTICS.—Unused irrigation well, diameter 12 in., depth 251 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 128 ft.

REMARKS.—This well is about 15 ft from an irrigation well. Water levels for period, June 22 to July 2, 1996, are missing.

PERIOD OF RECORD.—June 1969 to current year. Continuous record since May 1969.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.86 ft below land-surface datum, April 15, 1984; lowest, 54.89 ft below land-surface datum, September 22, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	47.80	47.64	47.66	47.66	46.26	43.30	42.53	42.96	—	47.14	48.06	48.20
MEAN	47.91	47.80	47.79	47.82	46.68	44.95	42.72	44.93	—	47.97	49.14	48.33
LOW	48.00	48.20	47.87	47.95	47.72	46.43	43.19	50.65	—	53.60	54.51	48.56

WATER YEAR 1996 HIGH 42.53 (Apr. 15, 1996) MEAN 46.87 LOW 54.51 (Aug. 18, 1996)

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313532084203501 Local number, 11L002.

LOCATION.—Lat 31°35'32", long 84°20'35", Hydrologic Unit 03130008.

SITE NAME.—Georgia Geologic Survey, Albany Nursery.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Clayton.

WELL CHARACTERISTICS.—Drilled observation well, diameter 3 in., depth 656 ft, cased to 542 ft, open hole.

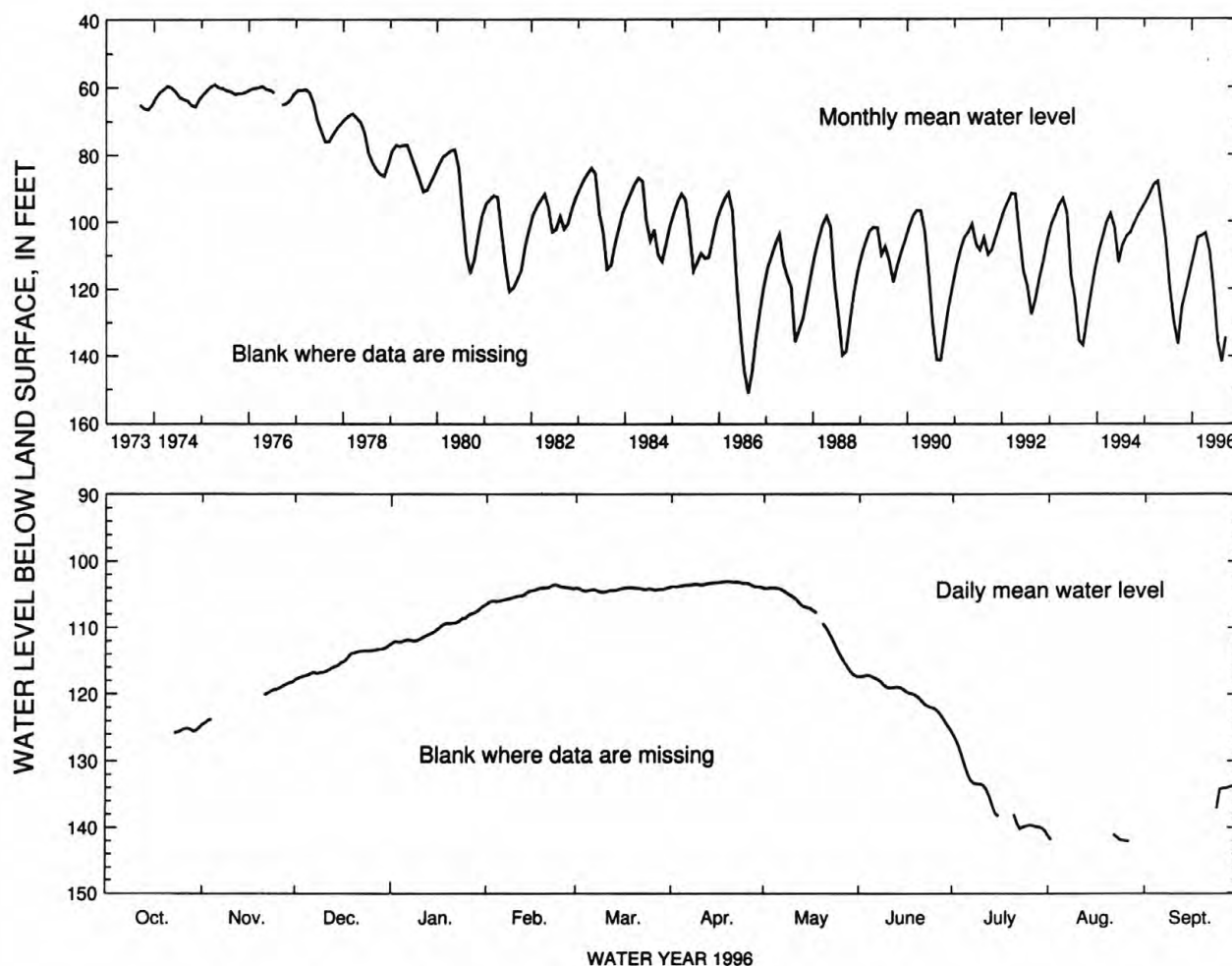
DATUM.—Altitude of land-surface datum is 222 ft.

REMARKS.—Water levels for periods, October 1-22, 1995, November 5-20, 1995, May 19, 1996, July 17-20, 1996,

August 3-21, 1996, and August 28 to September 23, 1996, are missing.

PERIOD OF RECORD.—September 1973 to current year. Continuous record since September 1973.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 58.90 ft below land-surface datum, April 29, 1975; lowest, 152.61 ft below land-surface datum, August 23, 1986.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	----	----	112.72	106.67	103.53	103.92	103.04	104.00	117.16	125.78	----	----
MEAN	----	----	115.18	110.09	104.78	104.24	103.45	108.72	119.96	135.48	----	----
LOW	----	----	117.86	112.38	106.46	104.66	103.85	117.30	125.00	140.49	----	----

WATER YEAR 1996 HIGH 103.04 (Apr. 19, 1996) MEAN 114.68 LOW 142.03 (Aug. 27, 1996)

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313554084062501 Local number, 13L002.

LOCATION.—Lat 31°35'51", long 84°06'24", Hydrologic Unit 03130008.

SITE NAME.—Albany Water, Gas, and Light Commission, Turner City 2.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Clayton.

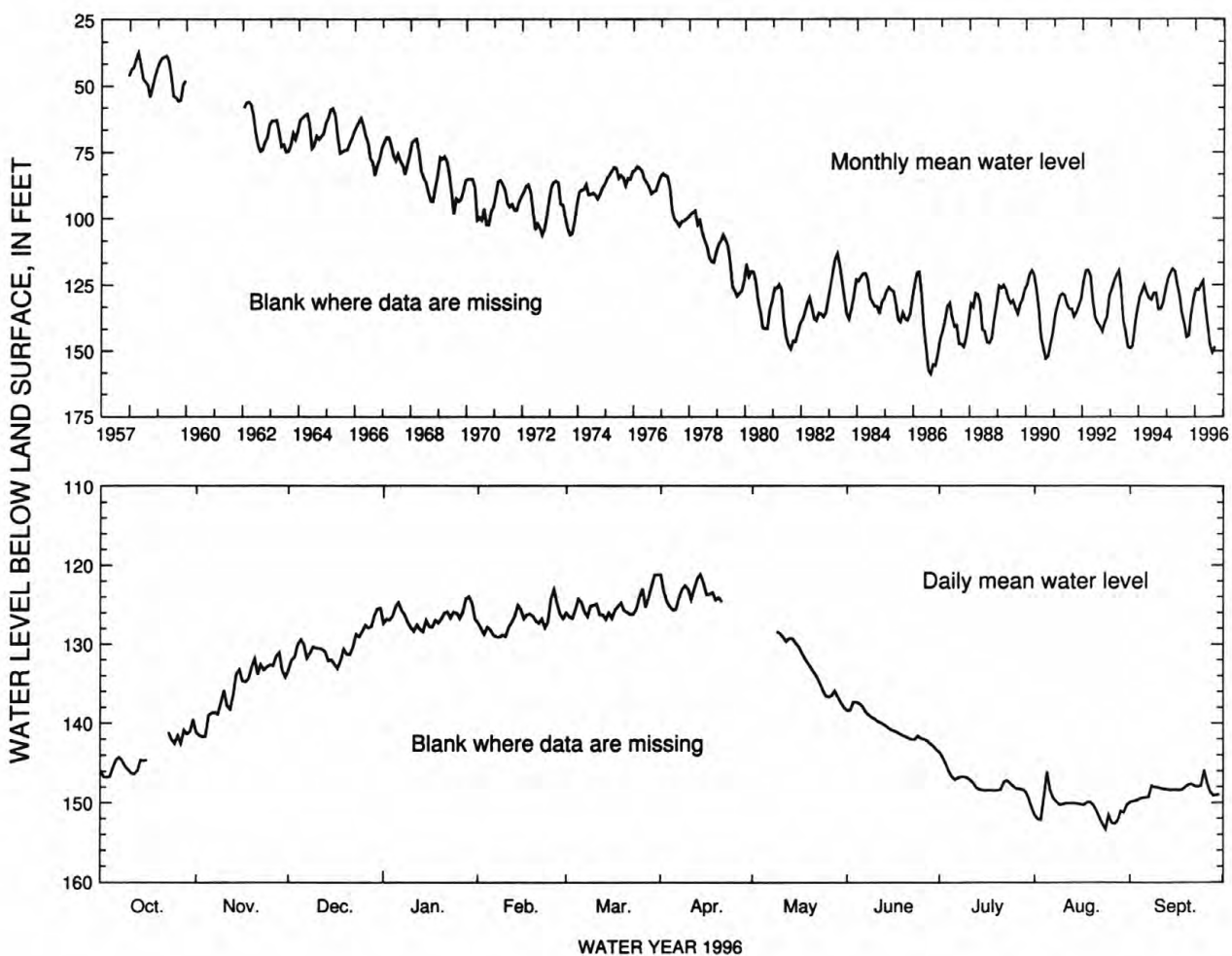
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 12 in., depth 760 ft, cased to 713 ft, open hole.

DATUM.—Altitude of land-surface datum is 212.84 ft.

REMARKS.—Water levels for periods, October 17-22, 1995 and April 22 to May 8, 1996, are missing.

PERIOD OF RECORD.—December 1957 to current year. Continuous record December 1957 to December 1959, and since January 1962.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 38.19 ft below land-surface datum, April 1, 1959; lowest, 160.88 ft below land-surface datum, July 26, 1986.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	139.50	131.09	125.40	123.96	123.05	121.17	—	—	137.34	143.62	146.10	145.90
MEAN	144.05	135.70	130.14	126.56	127.02	125.15	—	—	140.43	147.53	150.68	148.48
LOW	146.75	141.67	133.27	128.40	129.10	126.84	—	—	143.31	150.65	153.36	149.95

WATER YEAR 1996 HIGH 121.14 (Apr. 14, 1996) MEAN 136.32 LOW 153.36 (Aug. 24, 1996)

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313748084002901 Local number, 13L003.

LOCATION.—Lat 31°33'13", long 84°00'21", Hydrologic Unit 03130008.

SITE NAME.—City of Albany and Dougherty County.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

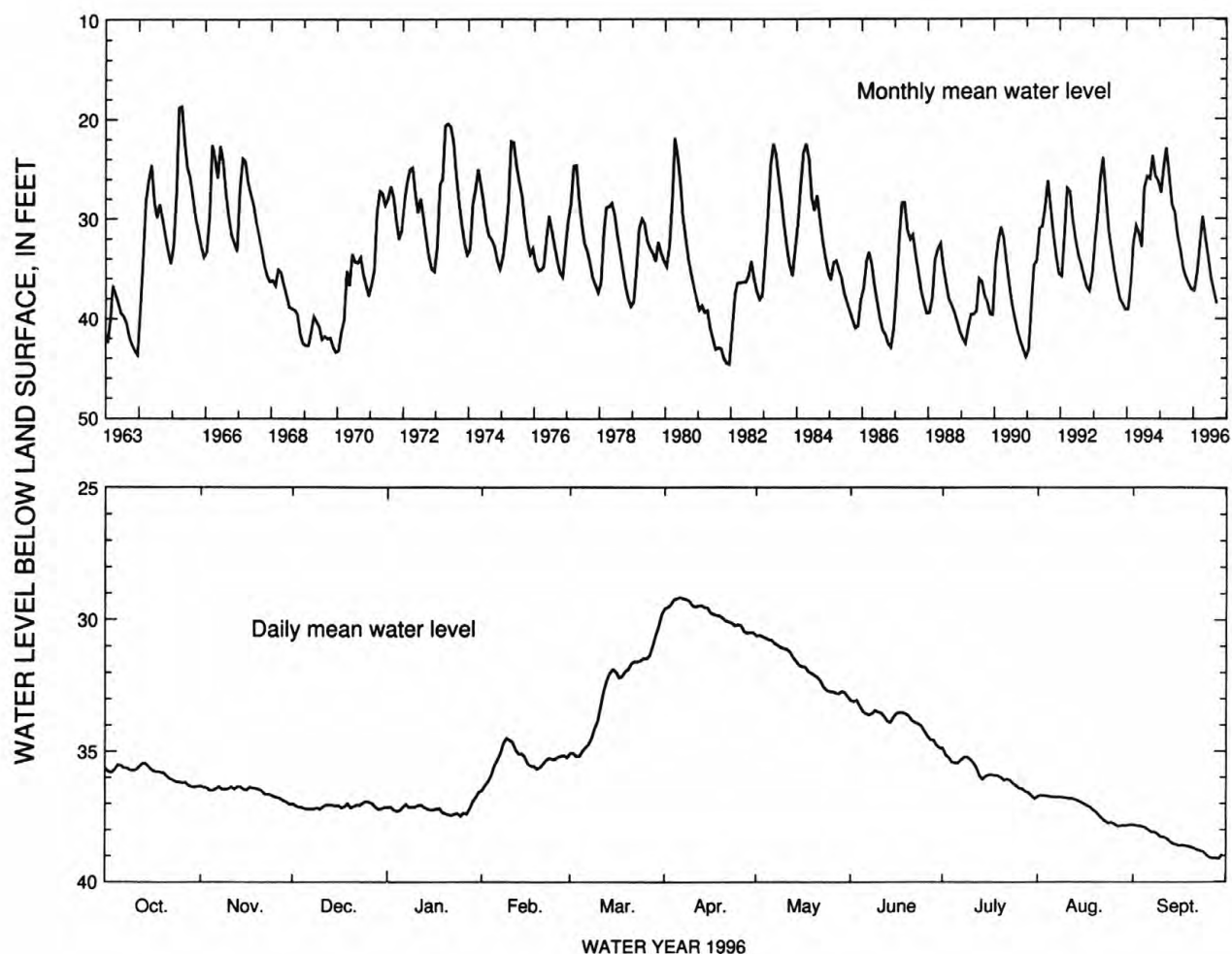
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 6 in., depth 259 ft, cased to 206 ft, open hole.

DATUM.—Altitude of land-surface datum is 225 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1963 to current year. Continuous record since January 1963.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.41 ft below land-surface datum, April 2, 1965; lowest, 44.89 ft below land-surface datum, December 13, 1981.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	35.46	36.33	36.92	36.56	34.50	29.79	29.16	30.59	33.07	34.88	36.69	37.81
MEAN	35.86	36.53	37.10	37.20	35.35	32.66	29.76	31.74	33.78	35.87	37.18	38.48
LOW	36.37	37.02	37.22	37.47	36.51	35.21	30.51	32.93	34.87	36.82	37.86	39.11

WATER YEAR 1996 HIGH 29.16 (Apr. 6, 1996) MEAN 35.13 LOW 39.11 (Sept. 29, 1996)

GROUND-WATER LEVELS

FULTON COUNTY

334207084254801 Local number, 10DD02.

LOCATION.—Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002.

SITE NAME.—U.S. Army, Fort McPherson.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Crystalline rock (Biotite gneiss).

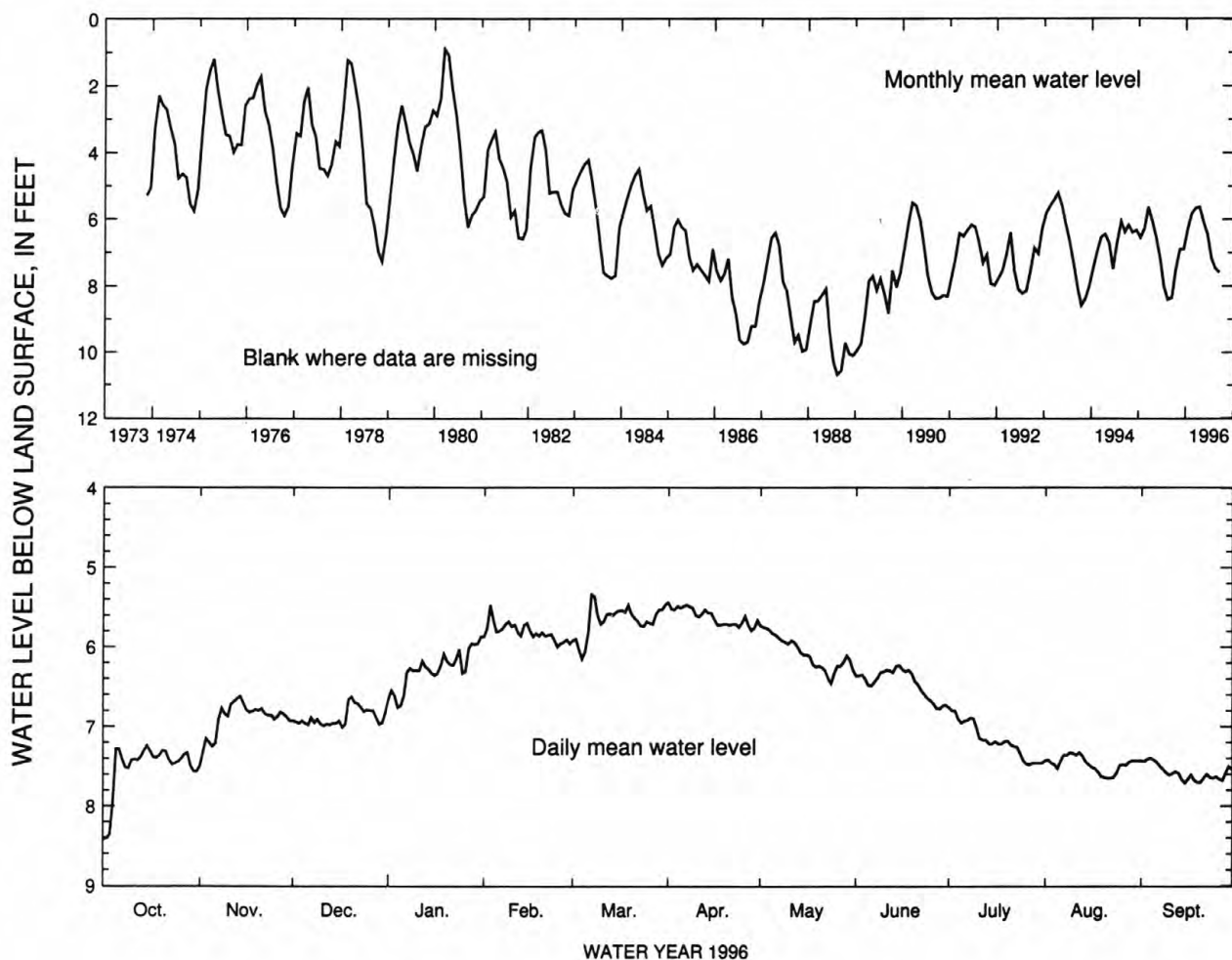
WELL CHARACTERISTICS.—Drilled, unused supply well, diameter 12 in., depth 338 ft, cased to 41 ft, open hole.

DATUM.—Altitude of land-surface datum is 1,013 ft.

REMARKS.—None.

PERIOD OF RECORD.—November 1973 to current year. Continuous record since November 1973.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 0.10 ft below land-surface datum, March 30, 1980; lowest, 10.95 ft below land-surface datum, September 2, 1988.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	7.24	6.62	6.63	5.87	5.47	5.34	5.44	5.73	6.23	6.76	7.33	7.40
MEAN	7.51	6.90	6.89	6.28	5.81	5.66	5.62	6.08	6.45	7.16	7.47	7.58
LOW	8.42	7.49	7.01	6.76	6.00	6.15	5.79	6.46	6.78	7.48	7.65	7.71

WATER YEAR 1996

HIGH 5.34 (Mar. 7, 1996)

MEAN 6.62

LOW 8.42 (Oct. 1, 1995)

GROUND-WATER LEVELS

GLYNN COUNTY

311007081301702 Local number, 33H133.

LOCATION.—Lat 31°10'08", long 81°30'16", Hydrologic Unit 03070203.

SITE NAME.—U.S. Geological Survey, test well 6.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan; upper water-bearing zone.

WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

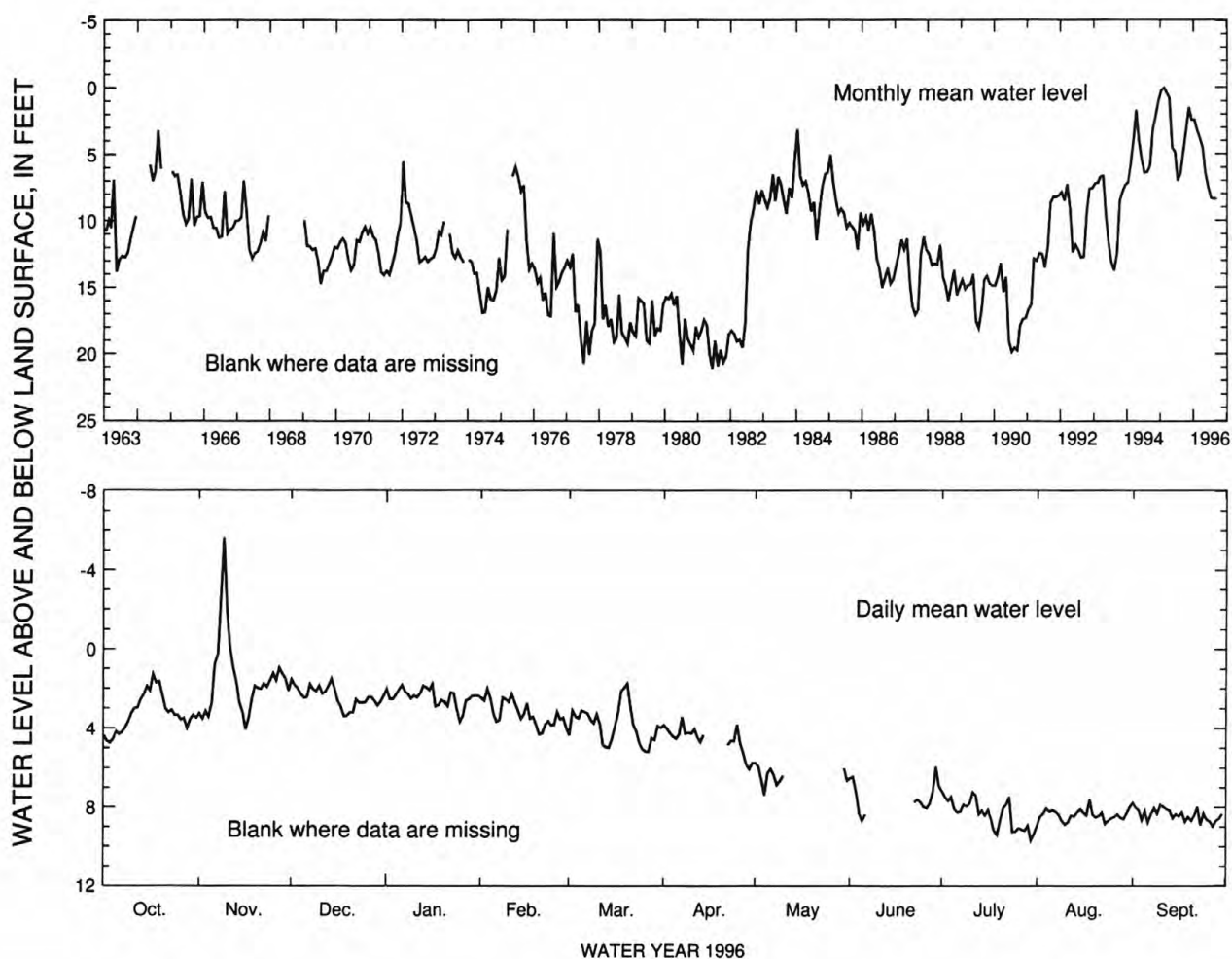
DATUM.—Altitude of land-surface datum is 6.7 ft.

REMARKS.—Well normally pumped and sampled for analysis of chloride concentration annually. Water levels for

periods, April 15-21, 1996, May 11-29, 1996, and June 7-21, 1996, are missing.

PERIOD OF RECORD.—January 1963 to current year. Continuous record since January 1963.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 9.07 ft above land-surface datum, December 26, 1965; lowest, 21.87 ft below land-surface datum, July 22, 1977.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	1.27	-5.61	1.50	1.77	2.00	1.73	-----	-----	-----	7.19	7.60	7.77
MEAN	3.26	1.51	2.42	2.43	3.24	3.82	-----	-----	-----	8.34	8.40	8.38
LOW	4.74	4.07	3.40	3.66	4.30	5.18	-----	-----	-----	9.68	8.93	8.97

WATER YEAR 1996 HIGH -5.61 (Nov. 9, 1995) MEAN 4.84 LOW 9.68 (July 30, 1996)

[Negative value indicates water level above land surface]

GROUND-WATER LEVELS

LAURENS COUNTY

322652083033001 Local number, 21T001.

LOCATION.—Lat 32°27'06", long 83°03'28", Hydrologic Unit 03070102.

SITE NAME.—Danny Hogan.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

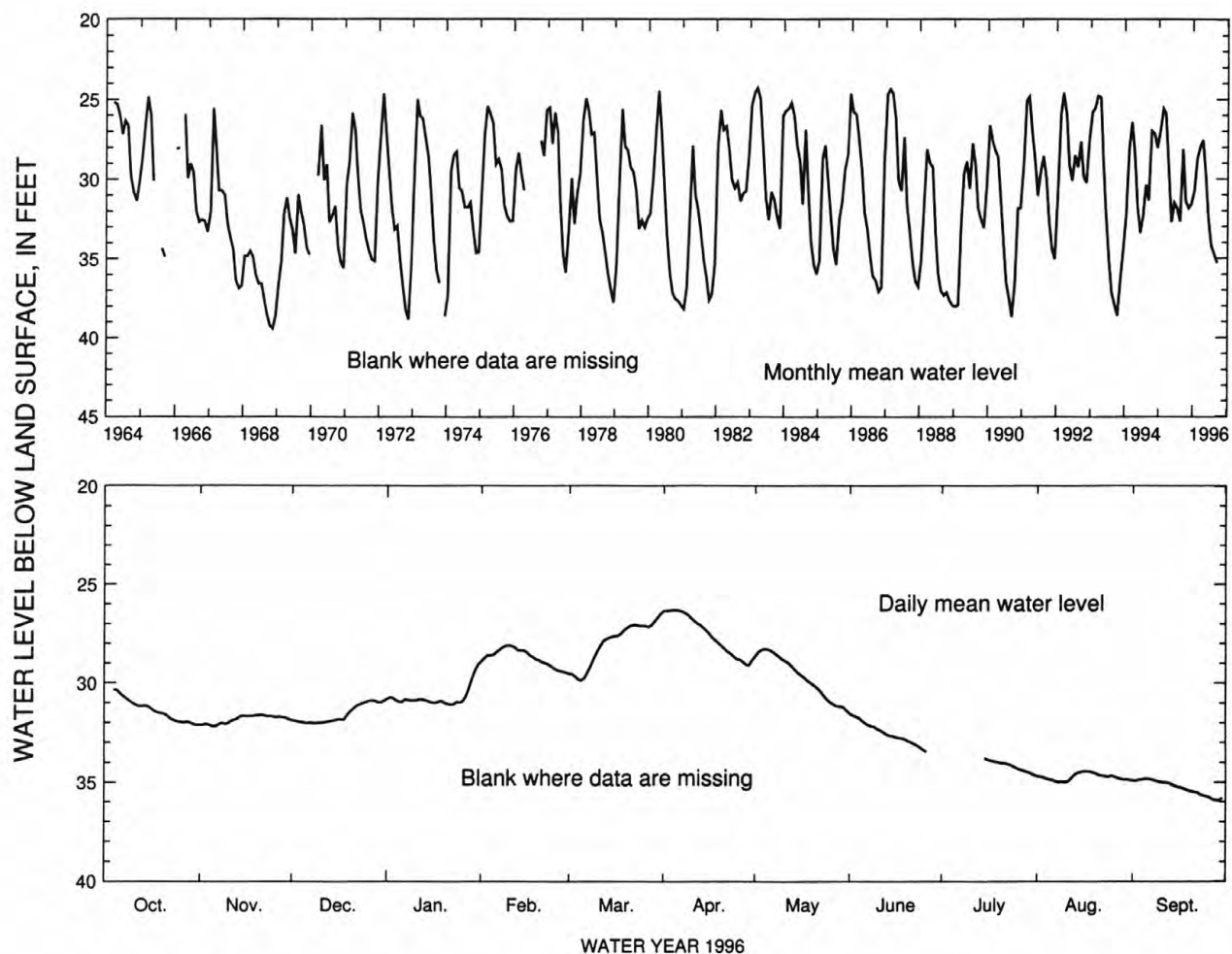
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

DATUM.—Altitude of land-surface datum is 259 ft.

REMARKS.—Water levels for periods, October 1-3, 1995 and June 27 to July 14, 1996, are missing.

PERIOD OF RECORD.—March 1964 to current year. Continuous record since March 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 23.62 ft below land-surface datum, January 26, 1987; lowest, 39.58 ft below land-surface datum, November 12, 1968.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	30.33	31.60	30.88	29.06	28.11	26.49	26.31	28.28	31.53	—	34.46	34.83
MEAN	31.38	31.84	31.58	30.74	28.71	27.98	27.54	29.67	32.52	—	34.74	35.28
LOW	32.11	32.19	32.04	31.10	29.48	29.85	29.09	31.39	33.45	—	34.99	35.93

WATER YEAR 1996

HIGH 26.31 (Apr. 4-5, 1996)

MEAN 31.23

LOW 35.93 (Sept. 29, 1996)

GROUND-WATER LEVELS

LIBERTY COUNTY

315214081235301 Local number, 34N089.

LOCATION.—Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 789 ft, cased to 410 ft, open hole.

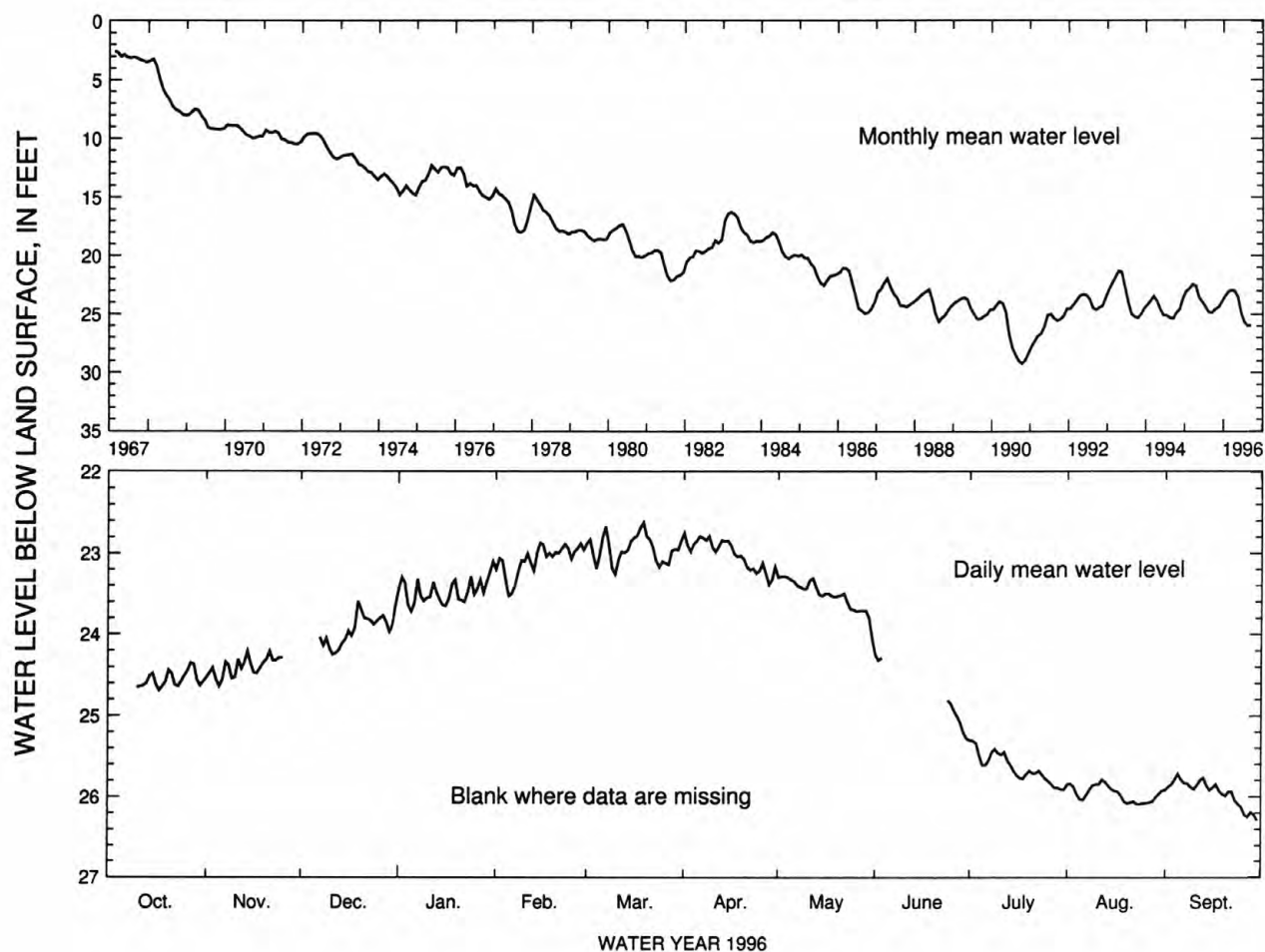
DATUM.—Altitude of land-surface datum is 17 ft.

REMARKS.—Water levels for periods, October 1-9, 1995, November 26 to December 6, 1995, and June 4-23, 1996,

are missing.

PERIOD OF RECORD.—February 1967 to current year. Continuous record since February 1967.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.34 ft below land-surface datum, March 6, 1967; lowest, 29.43 ft below land-surface datum, October 3, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	—	24.21	23.59	23.10	22.87	22.62	22.75	23.29	—	25.30	25.79	25.72
MEAN	—	24.40	23.94	23.47	23.08	22.95	23.01	23.52	—	25.64	25.97	25.95
LOW	—	24.64	24.25	23.72	23.53	23.26	23.39	24.06	—	25.91	26.09	26.29

WATER YEAR 1996 HIGH 22.62 (Mar. 19, 1996) MEAN 24.24 LOW 26.29 (Sept. 30, 1996)

GROUND-WATER LEVELS

LONG COUNTY

313845081361701 Local number, 33M004.

LOCATION.—Lat 31°38'54", long 81°36'04", Hydrologic Unit 03070106.

SITE NAME.—U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

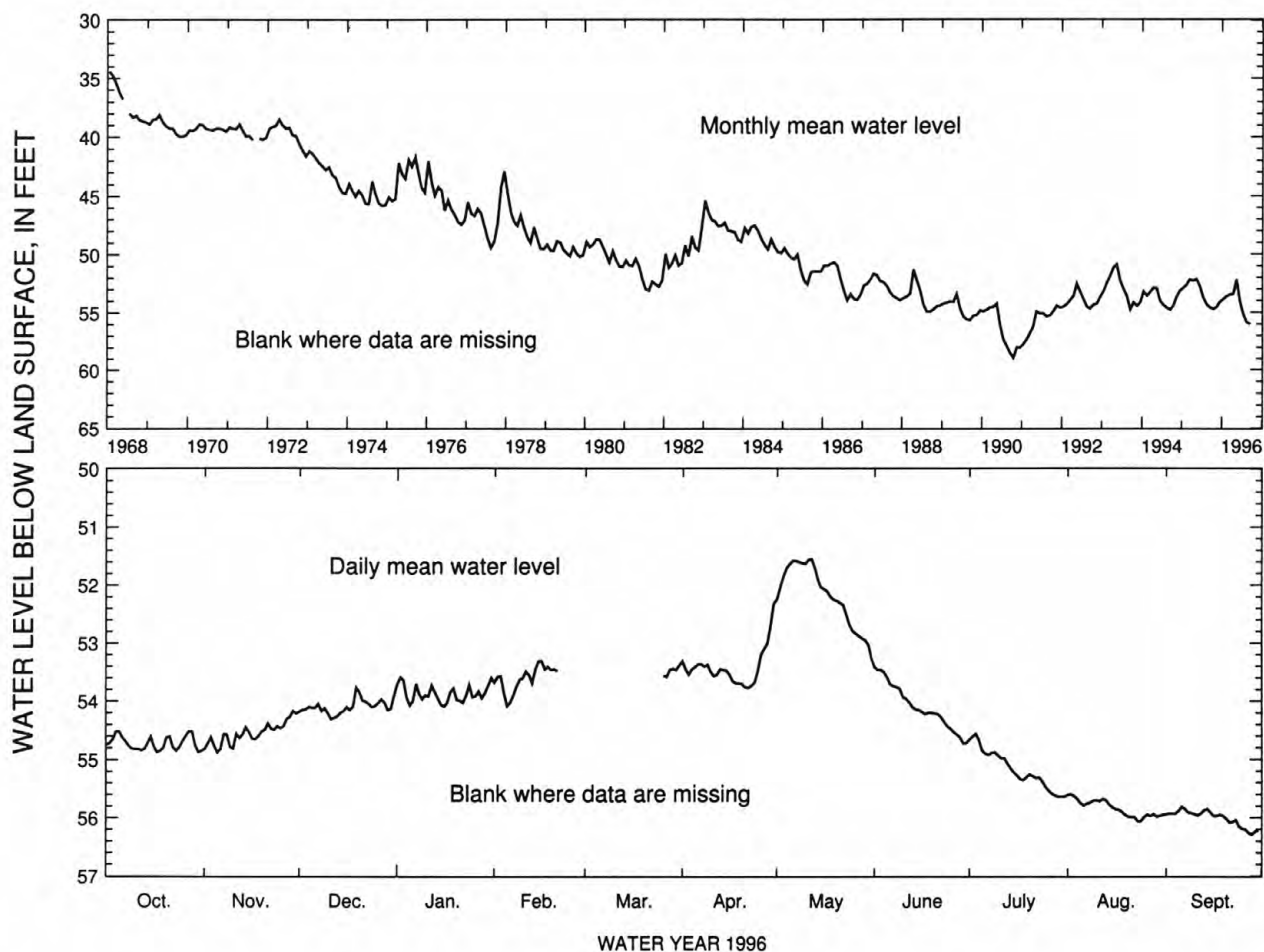
WELL CHARACTERISTICS.—Drilled observation well, diameter 4-3 in., depth 872 ft, cased to 538 ft, open hole.

DATUM.—Altitude of land-surface datum is 61.2 ft.

REMARKS.—Water levels for period, February 22 to March 25, 1996, are missing.

PERIOD OF RECORD.—January 1968 to current year. Continuous record since January 1968.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.04 ft below land-surface datum, January 14, 1968; lowest, 59.00 ft below land-surface datum, October 8, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	54.52	54.17	53.77	53.59	-----	-----	52.32	51.55	53.41	54.56	55.60	55.81
MEAN	54.72	54.55	54.10	53.87	-----	-----	53.42	52.18	54.09	55.17	55.84	56.01
LOW	54.87	54.88	54.31	54.09	-----	-----	53.77	53.27	54.72	55.64	56.06	56.29

WATER YEAR 1996 HIGH 51.55 (May 12, 1996) MEAN 54.33 LOW 56.29 (Sept. 28, 1996)

GROUND-WATER LEVELS

LOWNDES COUNTY

304949083165301 Local number, 19E009.

LOCATION.—Lat 30°49'51", long 83°16'58", Hydrologic Unit 03110202.

SITE NAME.—City of Valdosta.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

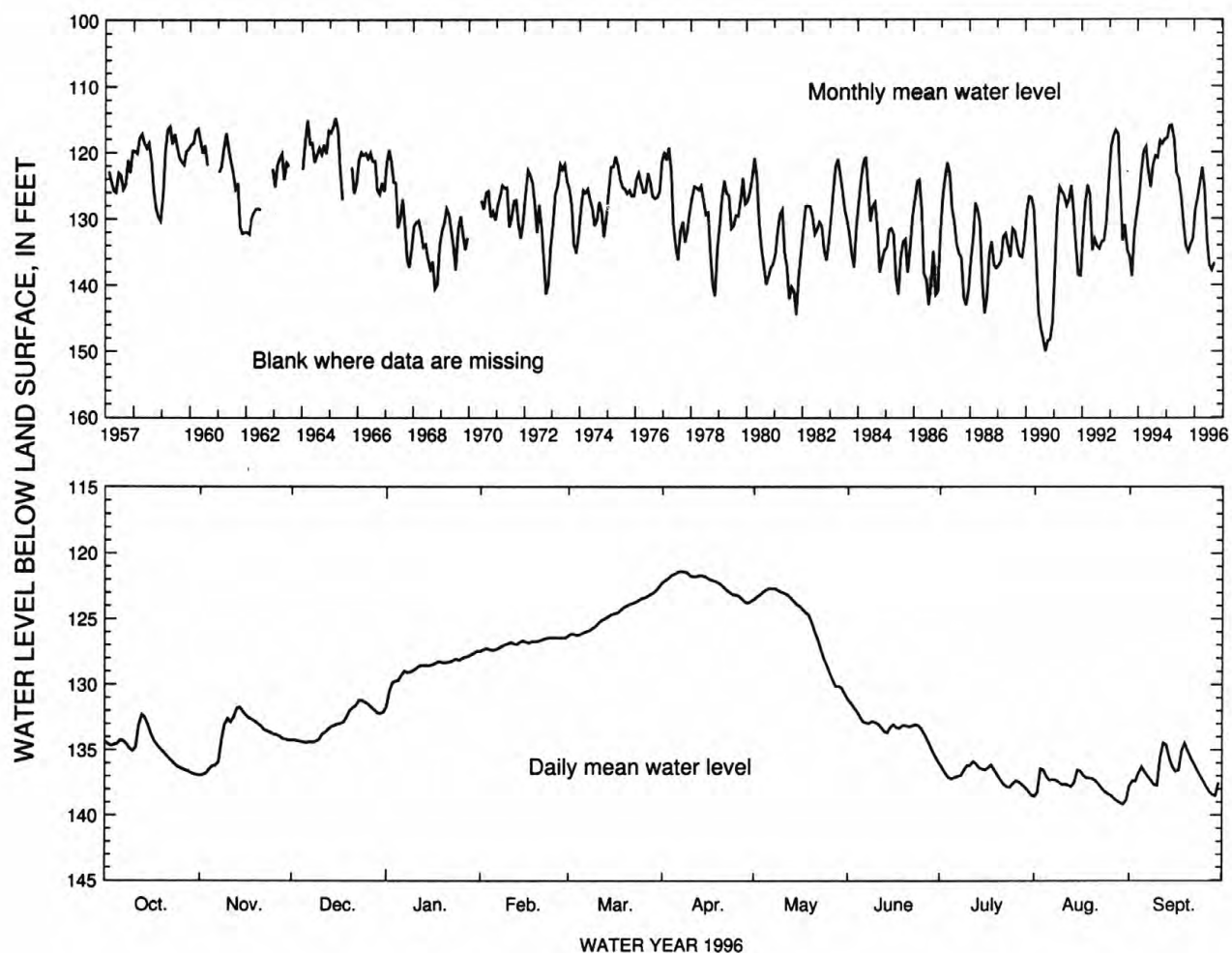
WELL CHARACTERISTICS.—Drilled unused municipal supply well, diameter 20 in., depth 342 ft, cased to 200 ft, open hole.

DATUM.—Altitude of land-surface datum is 217 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1957 to current year. Continuous record since February 1957.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 112.69 ft below land-surface datum, March 9, 1964; lowest, 151.79 ft below land-surface datum, September 19, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	132.30	131.74	131.22	127.47	126.45	122.48	121.37	122.66	131.13	135.89	136.43	134.47
MEAN	134.96	133.92	133.00	128.69	126.85	124.62	122.28	125.35	133.19	136.97	137.71	136.66
LOW	136.90	136.94	134.44	131.73	127.50	126.28	123.79	130.73	135.65	138.45	139.17	138.51

WATER YEAR 1996

HIGH 121.37 (Apr. 7, 1996)

MEAN 131.20

LOW 139.17 (Aug. 30, 1996)

GROUND-WATER LEVELS

MCINTOSH COUNTY

313823081154201 Local number, 35M013.

LOCATION.—Lat 31°38'23", long 81°15'42", Hydrologic Unit 03060204.

SITE NAME.—U.S. Fish and Wildlife Service, Harris Neck, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

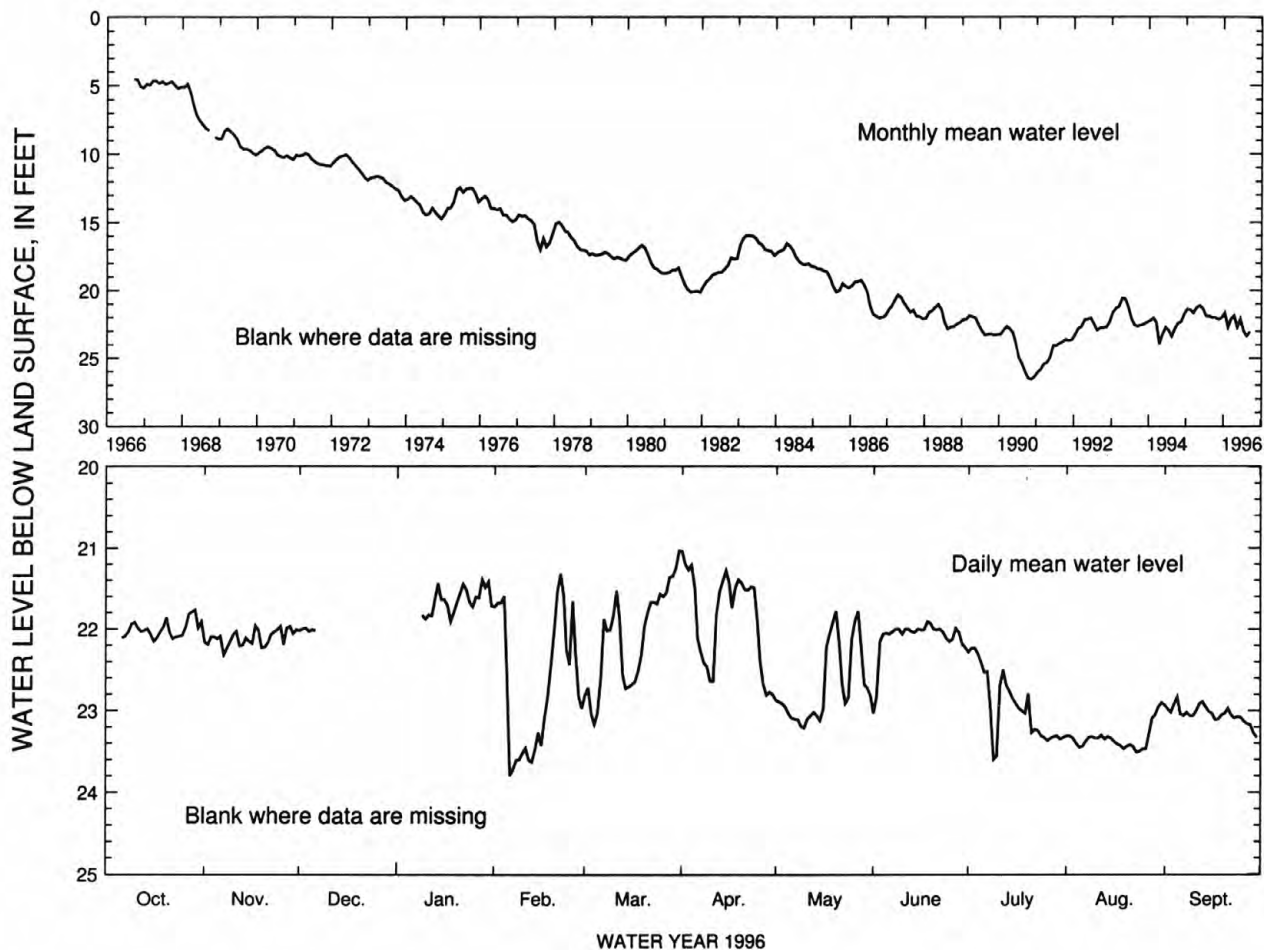
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 10 in., depth 553 ft, cased to 376 ft, open hole.

DATUM.—Altitude of land-surface datum is 16.3 ft.

REMARKS.—Water levels for periods, October 1-5, 1995 and December 7, 1995 to January 8, 1996, are missing.

PERIOD OF RECORD.—September 1966 to current year. Continuous record since September 1966.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.35 ft below land-surface datum, October 4, 1966; lowest, 26.88 ft below land-surface datum, November 14, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	21.77	21.96	—	—	21.32	21.03	21.04	21.78	21.91	22.23	22.90	22.83
MEAN	22.00	22.11	—	—	22.68	22.10	21.85	22.69	22.10	22.94	23.34	23.04
LOW	22.15	22.32	—	—	23.80	23.17	22.81	23.21	23.03	23.60	23.51	23.33

WATER YEAR 1996

HIGH 21.03 (Mar. 31, 1996)

MEAN 22.43

LOW 23.80 (Feb. 6, 1996)

GROUND-WATER LEVELS

MILLER COUNTY

310651084404501 Local number, 08G001.

LOCATION.—Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010.

SITE NAME.—Viercocken.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

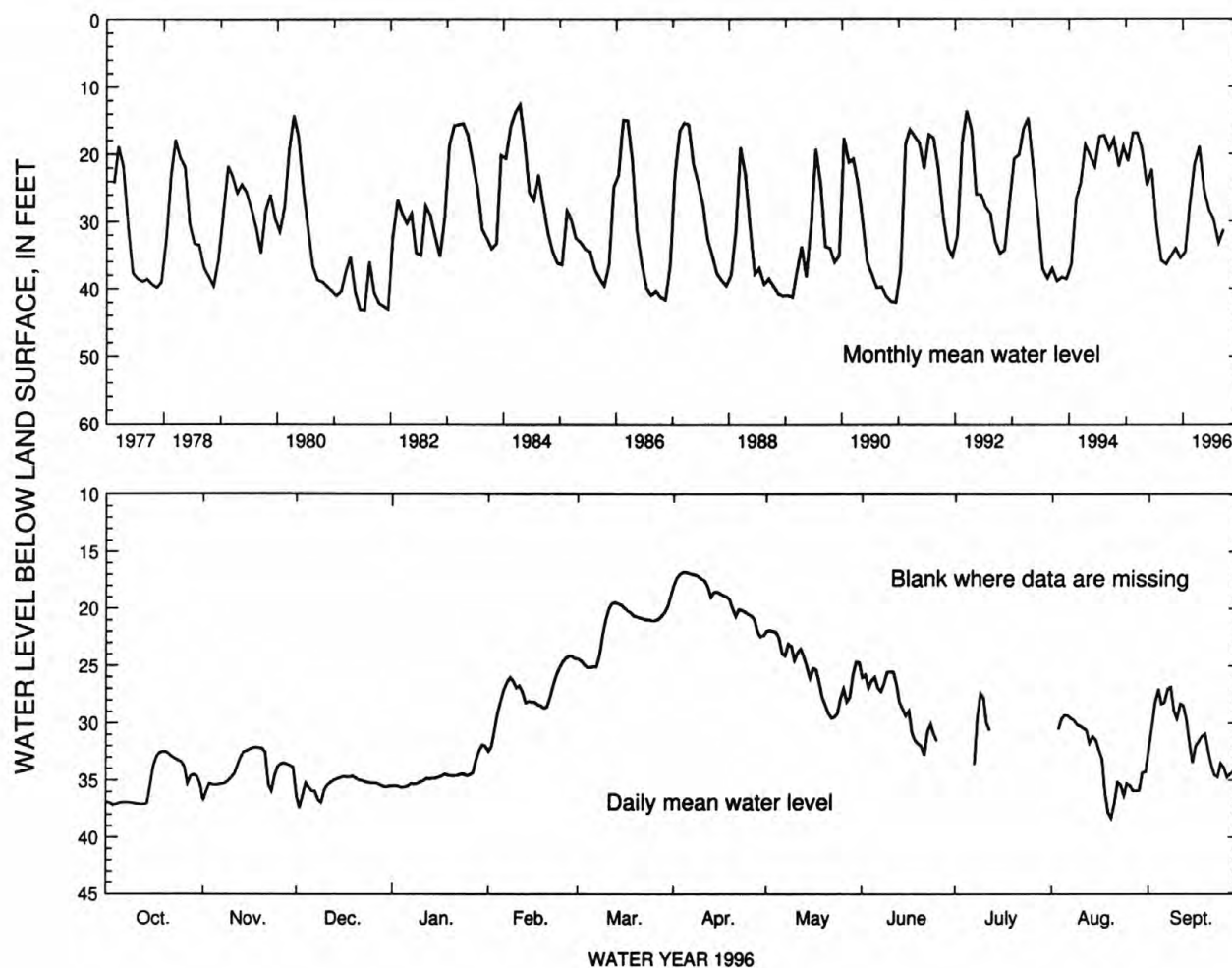
WELL CHARACTERISTICS.—Drilled unused irrigation well, diameter 12 in., depth 255 ft, cased to 130 ft, open hole.

DATUM.—Altitude of land-surface datum is 150 ft.

REMARKS.—Water levels for periods, June 26 to July 6, 1996 and July 13 to August 2, 1996, are missing.

PERIOD OF RECORD.—February 1977 to current year. Continuous record since February 1977.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 11.18 ft below land-surface datum, April 11, 1984; lowest, 43.88 ft below land-surface datum, July 17, 1981.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	32.48	32.11	34.62	31.90	24.14	18.83	16.78	21.87	25.50	—	29.30	26.84
MEAN	35.21	34.06	35.45	34.60	27.33	21.54	18.94	25.42	28.48	—	33.20	31.22
LOW	37.15	36.76	37.41	35.63	32.44	25.14	22.44	29.54	32.80	—	38.31	34.75

WATER YEAR 1996 HIGH 16.78 (Apr. 5, 1996) MEAN 29.62 LOW 38.31 (Aug. 20, 1996)

GROUND-WATER LEVELS

RANDOLPH COUNTY

314602084473701 Local number, 07N001.

LOCATION.—Lat 31°46'09", long 84°47'43", Hydrologic Unit 03110204.

SITE NAME.—City of Cuthbert.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Clayton.

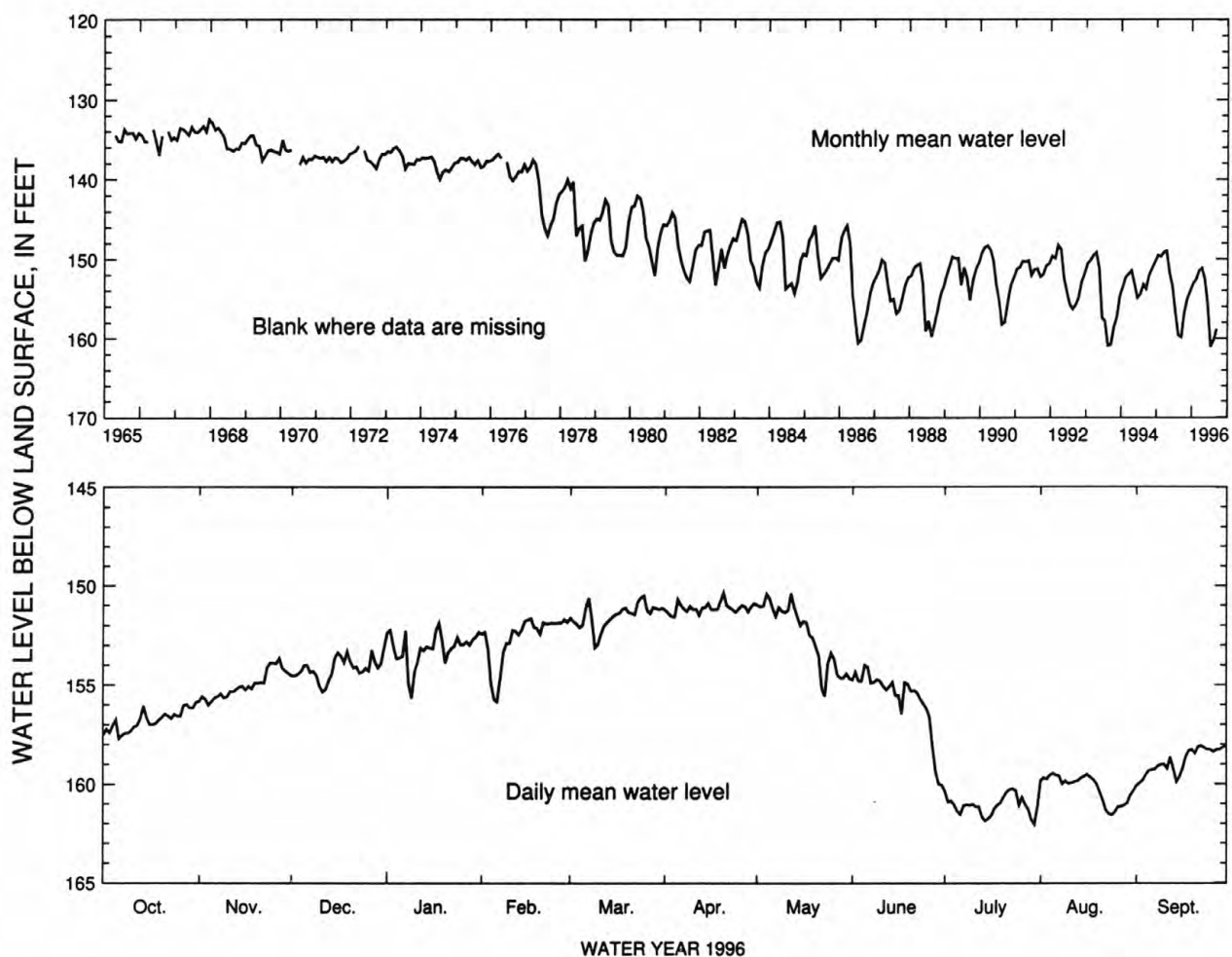
WELL CHARACTERISTICS.—Drilled unused municipal well, diameter 8 in., depth 372 ft, casing depth unknown.

DATUM.—Altitude of land-surface datum is 460 ft.

REMARKS.—Well located near city wells.

PERIOD OF RECORD.—January 1965 to current year. Continuous record since January 1965.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 132.0 ft below land-surface datum, December 10, 1967; lowest, 163.00 ft below land-surface datum, August 23, 1993.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	155.89	153.66	153.11	151.87	151.64	150.50	150.35	150.38	154.00	160.25	159.48	158.05
MEAN	156.80	155.02	154.16	153.14	152.62	151.51	151.12	152.47	155.72	161.09	160.24	158.87
LOW	157.71	156.02	155.36	155.65	155.85	153.11	151.57	155.58	160.06	162.04	161.57	160.09

WATER YEAR 1996

HIGH 150.35 (Apr. 20, 1996)

MEAN 155.25

LOW 162.04 (July 30, 1996)

GROUND-WATER LEVELS

SPALDING COUNTY

331507084171801 Local number, 11AA01.

LOCATION.—Lat 33°15'54", long 84°16'56", Hydrologic Unit 03070103.

SITE NAME.—University of Georgia Experiment Station.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Surficial (residuum).

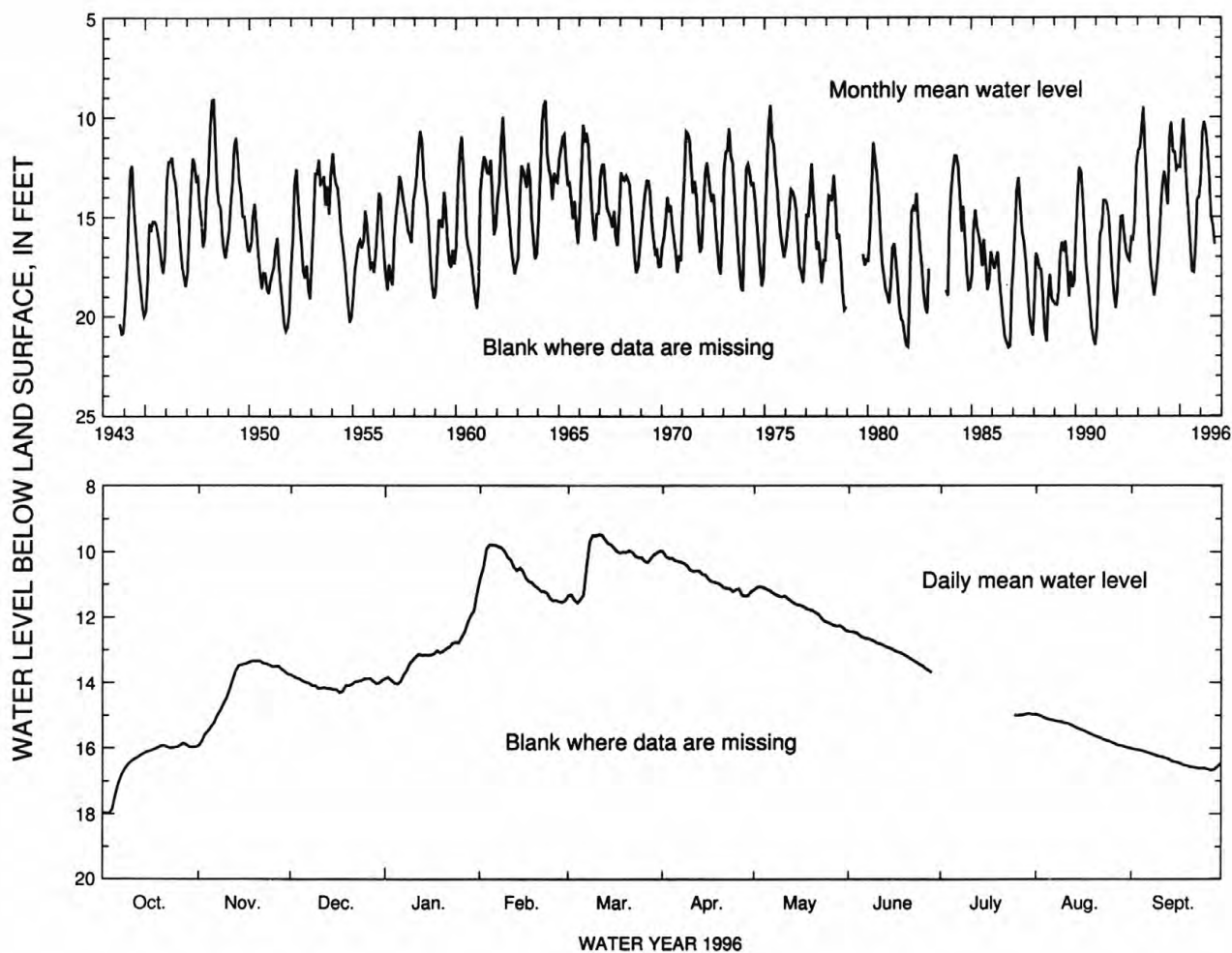
WELL CHARACTERISTICS.—Dug unused supply well, size 4 x 4 ft, depth 30 ft, cased to 30 ft, open end.

DATUM.—Altitude of land-surface datum is 950 ft.

REMARKS.—Water levels for period, June 29 to July 24, 1996, are missing.

PERIOD OF RECORD.—October 1943 to current year. Continuous record since October 1943.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 8.26 ft below land-surface datum, March 19, 1948; lowest, 21.82 ft below land-surface datum, November 18-19, 1986.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	15.85	13.34	13.76	11.26	9.79	9.47	9.98	11.06	12.43	-----	14.96	16.01
MEAN	16.43	14.10	14.03	13.07	10.70	10.22	10.75	11.67	12.98	-----	15.47	16.38
LOW	17.99	15.93	14.30	14.03	11.53	11.55	11.35	12.40	13.68	-----	15.99	16.67

WATER YEAR 1996 HIGH 9.47 (Mar. 11, 1996) MEAN 13.30 LOW 17.99 (Oct. 3, 1995)

GROUND-WATER LEVELS

WAYNE COUNTY

313253081433502 Local number, 32L015.

LOCATION.—Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106.

SITE NAME.—Georgia Geologic Survey, Gardi, test well 1.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

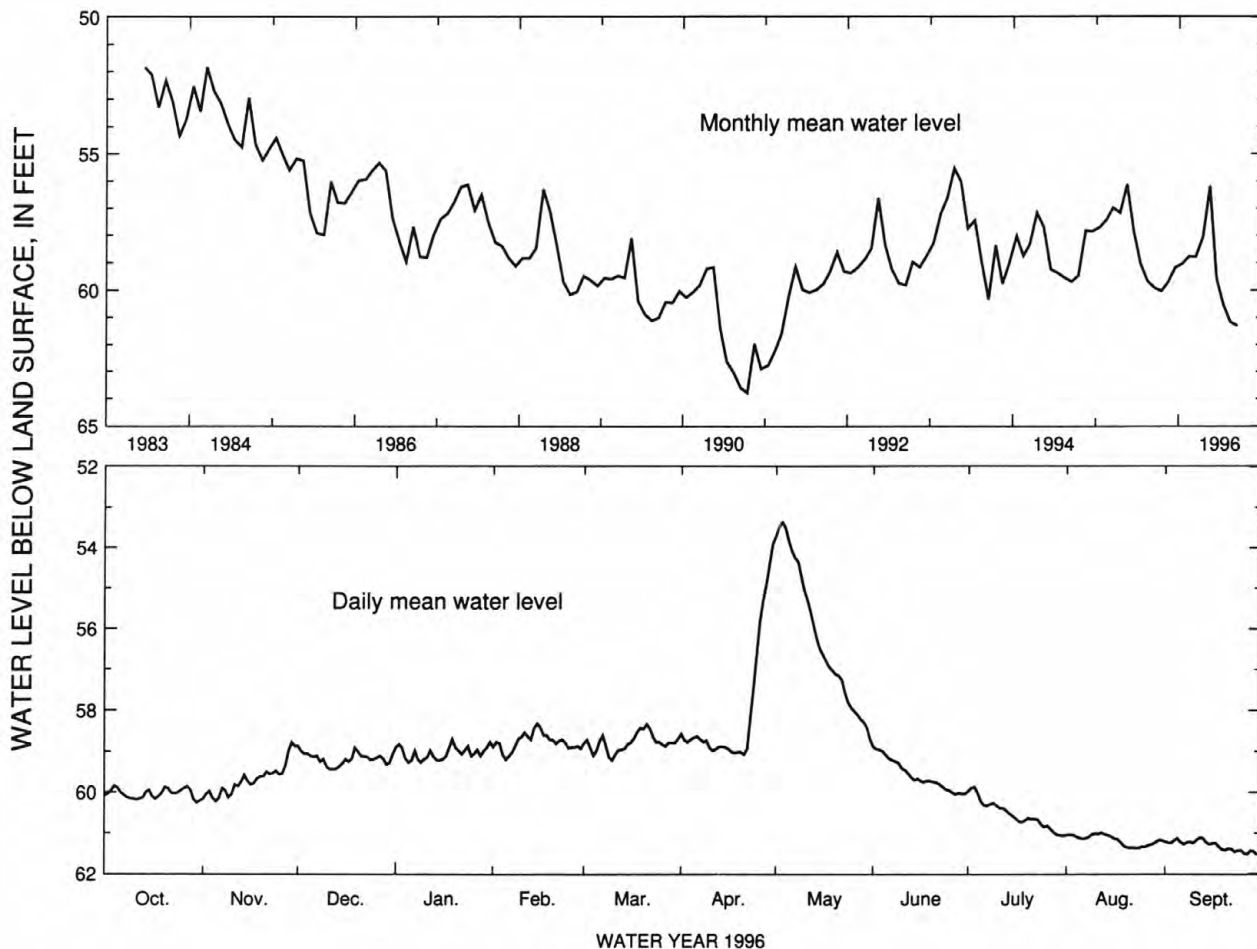
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 750 ft, cased to 545 ft, open hole.

DATUM.—Altitude of land-surface datum is 74 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.12 ft below land-surface datum, March 19, 1984; lowest, 64.05 ft below land-surface datum, October 7-8, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	59.85	58.78	58.87	58.70	58.32	58.34	53.90	53.38	58.89	59.88	60.99	61.11
MEAN	60.04	59.70	59.18	59.04	58.77	58.79	58.05	56.19	59.58	60.54	61.17	61.31
LOW	60.25	60.22	59.44	59.27	59.20	59.22	59.08	58.71	60.05	61.07	61.37	61.53

WATER YEAR 1996

HIGH 53.38 (May 3, 1996)

MEAN 59.36

LOW 61.53 (Sept. 30, 1996)

GROUND-WATER LEVELS

WAYNE COUNTY

313701081543501 Local number, 30L003.

LOCATION.—Lat 31°37'01", long 81°54'34", Hydrologic Unit 03070106.

SITE NAME.—City of Jesup Housing Authority.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

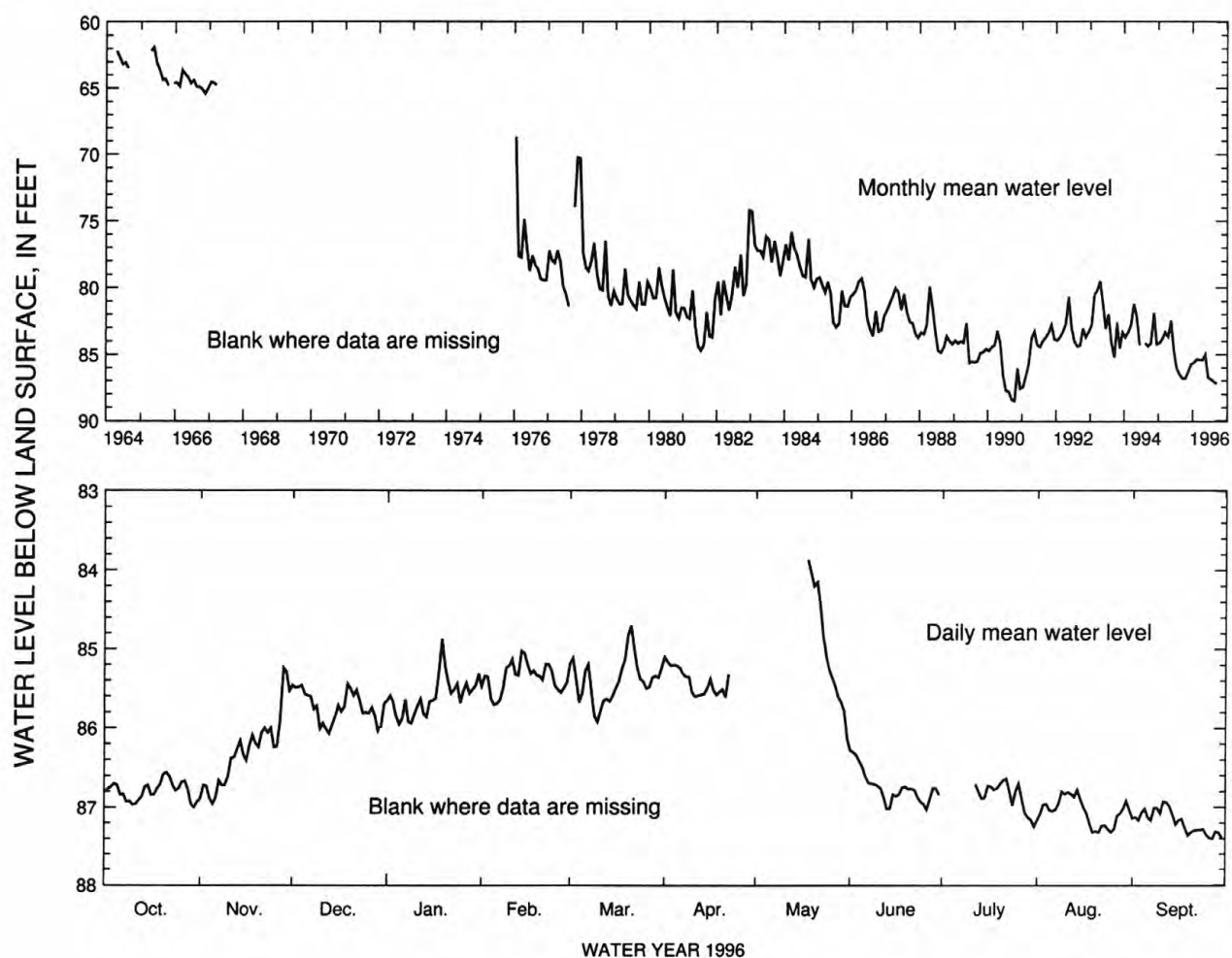
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 584 ft, cased to 472 ft, open hole.

DATUM.—Altitude of land-surface datum is 107 ft.

REMARKS.—Water levels for periods, April 23 to May 17, 1996 and July 1 to July 11, 1996, are missing.

PERIOD OF RECORD.—January 1964 to current year. Continuous record January 1964 to March 1967, and since January 1976.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 59.98 ft below land-surface datum, April 19, 1964; lowest, 88.91 ft below land-surface datum, October 7, 1990.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	86.56	85.24	85.44	84.87	85.02	84.70	—	—	86.28	—	86.78	86.93
MEAN	86.79	86.30	85.73	85.60	85.36	85.39	—	—	86.74	—	87.06	87.19
LOW	87.00	86.96	86.07	85.95	85.70	85.92	—	—	87.03	—	87.32	87.40

WATER YEAR 1996 HIGH 83.87 (May 18, 1996) MEAN 86.17 LOW 87.40 (Sept. 27, 1996)

GROUND-WATER LEVELS

WORTH COUNTY

313146083491601 Local number, 15L020.

LOCATION.—Lat 31°31'46", long 83°49'16", Hydrologic Unit 03110204.

SITE NAME.—City of Sylvester.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

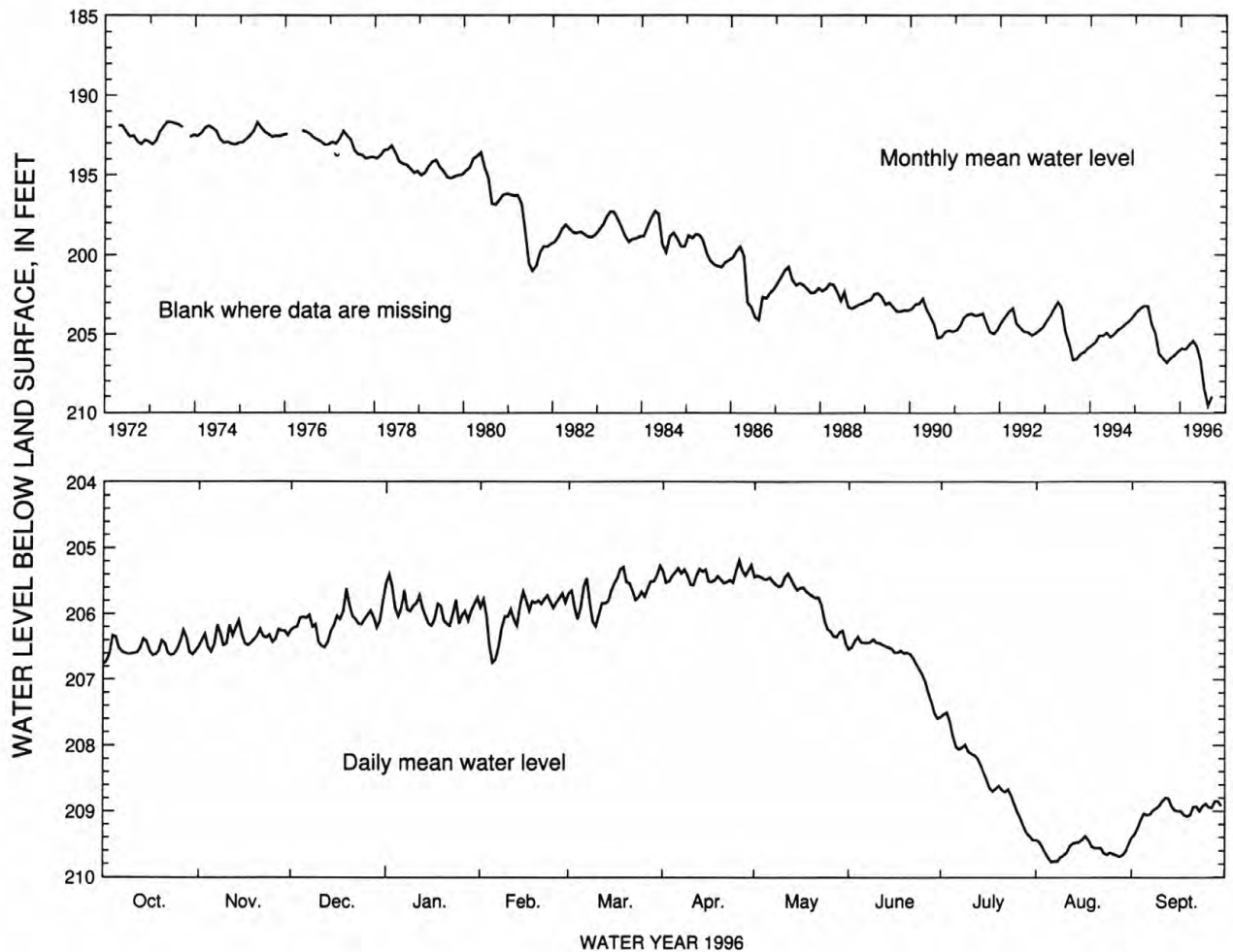
WELL CHARACTERISTICS.—Drilled unused municipal well, diameter 18 in., depth 450 ft, cased to 212 ft, open hole.

DATUM.—Altitude of land-surface datum is 420 ft.

REMARKS.—None.

PERIOD OF RECORD.—April 1972 to current year. Continuous record since April 1972.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 191.5 ft below land-surface datum, May 17, 1973; lowest, 209.77 ft below land-surface datum, August 6, 1996.



WY-1996	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	206.25	206.10	205.62	205.40	205.66	205.27	205.19	205.39	206.35	207.50	209.38	208.80
MEAN	206.53	206.35	206.12	205.92	205.98	205.68	205.42	205.75	206.67	208.45	209.59	209.00
LOW	206.76	206.58	206.51	206.18	206.74	206.19	205.57	206.45	207.59	209.44	209.77	209.41

WATER YEAR 1996

HIGH 205.19 (Apr. 26, 1996)

MEAN 206.79

LOW 209.77 (Aug. 6, 1996)

CHEMICAL QUALITY OF PRECIPITATION

TIFT COUNTY

313106083325450 TIFTON AGRICULTURAL RESEARCH SERVICE STATION NEAR CHULA, GA.

(National Atmospheric Deposition Program network station)

(National Trends Network station)

LOCATION.--Lat 31°31'06", long 83°32'54", Tift County, Hydrologic Unit 03110204, at the Southeastern Watershed Research Laboratory, U.S. Department of Agriculture, Agricultural Research Service, at field edge 0.18 mi west and 0.13 mi north of the intersection of County Roads 15 and 108, 2.1 mi south of Chula, and 4.6 mi northwest of Tifton, Georgia.

PERIOD OF RECORD.--February 1994 to current year.

REMARKS.--Chemical analyses reported are for wet precipitation medium code "7". Standard NADP/NTN protocol dictates that during periods of collector malfunction involving either the sensor or drive motor, the wet/dry collector should be left in "bulk" mode, i.e., the "wet" side bucket is left uncovered for the sampling period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	MEDIUM CODE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
OCT 03-10	1135	7	0.72	1.219	98	9	9	5.13	5.06
OCT 10-17	1130	7	0.34	0.603	103	7	7	4.98	4.93
OCT 17-24	1125	7	--	0.002	--	--	--	--	--
OCT 24-31	1105	7	0.97	1.696	101	7	7	5.04	5.02
OCT 31- NOV 07	1210	7	0.75	1.300	101	9	10	4.95	4.85
NOV 07-14	1205	7	2.17	0.004	103	5	5	5.20	5.17
NOV 14-21	1235	7	0.02	0.027	77	--	16	--	4.49
NOV 21-27	1235	7	0.13	0.241	108	18	15	4.52	4.63
NOV 27- DEC 05	2135	7	0.20	0.340	99	17	17	4.87	4.80
DEC 05-12	1310	7	1.74	3.043	101	14	13	4.58	4.66
DEC 12-19	1300	7	0.42	0.731	101	7	7	5.17	5.15
DEC 19-26	1310	7	0.00	0.00	--	--	2	--	5.49
26 1995- 02 1996	1305	7	1.16	1.981	99	8	7	4.99	5.02
JAN 02-09	1305	7	0.23	0.390	98	31	19	4.24	4.51
JAN 09-16	1315	7	0.11	0.208	110	17	16	5.26	5.50
JAN 16-23	1310	7	0.17	0.299	102	11	10	4.97	5.05
JAN 23-30	1255	7	1.08	1.928	104	11	10	4.95	4.98
JAN 30- FEB 06	1305	7	1.49	2.630	102	8	7	4.95	4.97
FEB 06-13	1305	7	0.00	0.001	--	--	--	--	--
FEB 13-20	1205	7	1.58	2.692	99	18	16	4.52	4.61

TIFT COUNTY

313106083325450 TIFTON AGRICULTURAL RESEARCH SERVICE STATION NEAR CHULA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	MEDIUM CODE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT	SPE- CIFIC CON- DUCT- ANCE (US/CM)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM)	PH WATER WHOLE FIELD (STAND- ARD UNITS)	PH WATER WHOLE LAB (STAND- ARD UNITS)
FEB 20-27	1230	7	0.00	0.001	--	--	--	--	--
FEB 27- MAR 04	1210	7	0.68	1.222	104	16	13	4.70	4.68
MAR 04-12	1020	7	2.34	0.004	101	9	9	4.93	5.14
MAR 12-19	1235	7	2.13	3.731	102	10	9	4.98	4.92
MAR 19-26	1210	7	0.95	1.648	101	9	9	4.88	4.99
MAR 26- APR 01	1235	7	2.49	4.444	104	10	11	4.81	4.76
APR 01-09	2135	7	0.49	0.867	103	24	25	4.31	4.34
APR 09-16	1135	7	0.17	0.293	100	10	9	4.94	5.05
APR 16-23	1205	7	0.00	0.00	--	--	2	--	5.40
APR 23-29	1205	7	3.71	6.412	100	7	7	5.08	4.97
APR 29- MAY 07	1935	7	1.22	2.108	100	6	6	--	5.10
MAY 07-14	1205	7	0.06	0.101	98	11	14	4.91	4.67
MAY 14-21	1235	7	0.00	0.00	--	--	2	--	5.64
MAY 21-28	1135	7	0.00	0.00	--	--	--	--	--
MAY 28- JUN 04	1205	7	1.20	2.062	100	7	8	--	4.97
JUN 04-11	1130	7	0.53	0.920	101	20	22	4.67	4.53
JUN 11-18	1145	7	0.95	1.629	100	10	13	4.78	4.66
JUN 18-25	1140	7	0.21	0.366	101	26	31	4.30	4.26
JUN 25- JUL 02	1145	7	0.34	0.578	98	38	42	--	4.09
JUL 02-09	1105	7	0.78	1.347	100	9	9	5.13	5.20
JUL 09-16	1135	7	0.26	0.470	105	13	15	--	4.67
JUL 16-23	1145	7	0.06	0.100	97	18	19	--	4.48
JUL 23-29	1150	7	0.09	0.00	95	18	15	--	4.62
JUL 29- AUG 06	1705	7	1.29	2.242	101	15	15	4.67	4.72
AUG 06-12	1140	7	0.45	0.804	104	14	15	4.54	4.54
AUG 12-20	1930	7	0.58	0.965	96	187	202	8.50	8.28
AUG 20-27	1140	7	4.28	7.358	100	16	23	4.30	4.35
AUG 27- SEP 03	1205	7	2.20	0.004	102	13	16	4.55	4.55
SEP 03-10	1205	7	0.10	0.175	102	21	21	4.47	4.48
SEP 10-16	1135	7	0.09	0.161	103	32	34	4.23	4.25
SEP 16-24	1805	7	0.15	0.212	82	26	28	4.45	4.35
SEP 24- OCT 01	1130	7	1.82	3.109	99	6	6	5.11	5.04

DATE	MEDIUM CODE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 03-10	7	0.050	0.068	0.606	75	0.4	0.036	0.55	1.04	0.39	0.110	0.004
OCT 10-17	7	0.020	0.013	0.126	70	0.2	0.012	0.55	0.16	0.50	0.150	<0.003
OCT 24-31	7	0.030	0.026	0.245	73	0.2	0.009	0.48	0.39	0.30	0.050	<0.003
OCT 31-NOV 07	7	0.020	0.036	0.332	77	0.3	0.010	0.68	0.54	0.61	0.100	<0.003
NOV 07-14	7	0.010	0.019	0.182	78	0.2	0.005	0.29	0.28	0.24	0.030	<0.003
NOV 14-21	7	0.080	0.013	0.231	--	0.2	<0.013	1.03	0.31	1.34	0.130	0.029
NOV 21-27	7	0.120	0.043	0.336	59	0.2	0.020	1.17	0.57	1.20	0.230	<0.003
NOV 27-DEC 05	7	0.090	0.118	0.972	74	0.5	0.039	1.11	1.64	0.99	0.300	<0.003
DEC 05-12	7	0.050	0.019	0.159	61	0.2	0.014	1.26	0.21	0.70	0.240	<0.003
DEC 12-19	7	0.040	0.048	0.389	72	0.3	0.020	0.38	0.67	0.39	0.070	<0.003
DEC 19-26	7	0.020	0.004	0.092	71	0.2	0.011	<0.03	0.11	0.22	0.080	<0.003
26 1995-02 199	7	0.020	0.012	0.082	62	0.1	0.007	0.54	0.12	0.41	0.140	<0.003
JAN 02-09	7	0.090	0.027	0.302	58	0.2	0.117	1.51	0.52	1.20	0.270	<0.003
JAN 09-16	7	0.280	0.076	0.493	50	0.2	0.052	2.10	0.74	1.96	1.05	<0.003
JAN 16-23	7	0.110	0.080	0.711	70	0.4	0.040	0.80	1.23	0.43	0.160	<0.003
JAN 23-30	7	0.080	0.060	0.515	70	0.3	0.024	0.72	0.87	0.48	0.120	<0.003
JAN 30-FEB 06	7	0.040	0.016	0.117	59	0.1	0.010	0.61	0.18	0.30	0.130	<0.003
FEB 06-13	7	0.240	0.026	0.137	29	0.1	0.021	1.49	0.21	1.29	0.270	<0.003
FEB 27-MAR 04	7	0.090	0.020	0.158	51	0.1	0.015	1.28	0.20	0.65	0.200	<0.003
MAR 04-12	7	0.060	0.035	0.325	68	0.3	0.027	0.74	0.51	0.37	0.180	<0.003
MAR 12-19	7	0.100	0.023	0.192	52	0.1	0.031	1.01	0.24	0.44	0.220	<0.003
MAR 19-26	7	0.130	0.030	0.236	52	0.2	0.026	0.74	0.36	0.52	0.180	<0.003
MAR 26-APR 01	7	0.070	0.025	0.245	64	0.2	0.014	0.85	0.37	0.75	0.160	<0.003
APR 01-09	7	0.070	0.015	0.168	58	0.2	0.020	2.55	0.27	1.11	0.420	<0.003
APR 09-16	7	0.150	0.047	0.332	54	0.2	0.030	0.72	0.59	0.84	0.200	<0.003
APR 16-23	7	0.010	<0.003	0.144	--	--	0.008	<0.03	0.22	0.13	0.050	<0.003
APR 23-29	7	0.060	0.022	0.185	62	0.2	0.006	0.56	0.27	0.36	0.070	<0.003
APR 29-MAY 07	7	0.030	0.021	0.187	69	0.2	0.015	0.36	0.31	0.37	0.120	<0.003
MAY 07-14	7	0.100	0.037	0.281	57	0.2	0.047	1.04	0.46	0.93	0.180	0.005
MAY 14-21	7	0.010	<0.003	0.062	--	--	0.006	<0.03	0.07	0.07	0.080	<0.003
MAY 28-JUN 04	7	0.060	0.023	0.213	62	0.2	0.027	0.65	0.35	0.36	0.090	<0.003
JUN 04-11	7	0.180	0.036	0.193	38	0.1	0.067	1.75	0.40	2.21	0.600	<0.003
JUN 11-18	7	0.040	0.013	0.070	48	0.1	0.011	0.71	0.13	1.30	0.280	<0.003
JUN 18-25	7	0.100	0.025	0.152	46	0.1	0.029	2.73	0.28	1.95	0.380	<0.003
JUN 25-JUL 02	7	0.070	0.011	0.127	53	0.1	0.019	3.77	0.21	2.09	0.580	<0.003
JUL 02-09	7	0.140	0.056	0.442	61	0.3	0.029	0.84	0.72	0.69	0.280	<0.003

TIFT COUNTY

313106083325450 TIFTON AGRICULTURAL RESEARCH SERVICE STATION NEAR CHULA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	MEDIUM CODE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)
JUL 09-16	7	0.140	0.037	0.234	49	0.1	0.018	0.93	0.36	1.68	0.330	<0.003
JUL 16-23	7	0.120	0.035	0.213	47	0.1	0.055	1.01	0.44	1.60	<0.020	<0.003
JUL 23-29	7	0.050	0.039	0.349	70	0.3	0.028	0.72	0.54	1.43	0.060	<0.003
JUL 29- AUG 06	7	0.090	0.060	0.244	34	0.2	0.445	1.22	0.41	1.55	0.130	<0.003
AUG 06-12	7	0.040	0.015	0.120	57	0.1	0.025	0.86	0.18	1.14	0.100	<0.003
AUG 12-20	7	27.9	4.72	3.75	8	0.2	0.708	0.38	2.76	0.21	<0.020	0.152
AUG 20-27	7	0.020	0.007	0.050	55	0.1	0.009	2.12	0.10	0.98	0.270	<0.003
AUG 27- SEP 03	7	0.040	0.016	0.117	58	0.1	0.017	1.33	0.21	0.90	0.250	<0.003
SEP 03-10	7	0.210	0.023	0.165	34	0.1	0.067	1.77	0.32	2.08	0.370	<0.003
SEP 10-16	7	0.130	0.028	0.101	26	0.1	0.133	3.02	0.25	2.72	0.720	<0.003
SEP 16-24	7	0.130	0.092	0.746	68	0.4	0.056	1.91	1.22	1.77	0.190	<0.003
SEP 24- OCT 01	7	0.010	0.013	0.107	73	0.2	0.005	0.35	0.17	0.41	0.080	<0.003

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
inch (in.)	2.54×10^1	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^0	kilometer
<i>Area</i>		
acre	4.047×10^3	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi ²)	2.590×10^0	square kilometer
<i>Volume</i>		
gallon (gal)	3.785×10^0	liter
	3.785×10^0	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^3	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft ³)	2.832×10^1	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^3	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
<i>Flow</i>		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second
	2.832×10^1	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^1	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
<i>Mass</i>		
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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