R
200)
Ga3
Georgia
1997
v.2

USGS
science for a changing world

Water Resources Data Georgia Water Year 1997

Volume 2: Gulf of Mexico and Tennessee River Basin Regions

U.S. GEOLOGICAL SURVEY
RESTON, VA
MAY 11 1999
SR
LIBRARY

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-97-2
Prepared in cooperation with the State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1997

1996

OCTOBER

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

NOVEMBER

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

DECEMBER

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

1997

JANUARY

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

FEBRUARY

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

MARCH

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

APRIL

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

MAY

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

JUNE

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

JULY

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

AUGUST

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

SEPTEMBER

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

Water Resources Data Georgia Water Year 1997

Volume 2: Gulf of Mexico and Tennessee River Basin Regions

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

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-97-2
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

Thomas J. Casadevall, Acting Director

For information on the water program in Georgia, write to

District Chief, Water Resources Division
U.S. Geological Survey
Peachtree Business Center
3039 Amwiler Road, Suite 130
Atlanta, GA 30360-2824

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:

Robert J. Allen
George A. Bailey
Gary R. Buell
Carolyn A. Casteel
Robert Coffin
Alan M. Cressler
James D. Everett
Julia L. Fanning
Jerry W. Garrett
Douglas E. Gibbs
Fred C. Gozzi
Suzie Grams
C. Michael Hacke
Charles N. Joiner
Stephen H. Jones
William C. Lewis
John M. McCranie
Ronald T. Nichols
Mark E. Reynolds
Judith A. Scholz
Timothy C. Stamey
Welby L. Stayton
Charles G. Somerindyke
Blaine T. White

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	3. REPORT TYPE AND DATES COVERED
	November 1998	Annual--10/01/96 to 09/30/97

4. TITLE AND SUBTITLE
WATER RESOURCES DATA GEORGIA, WATER YEAR 1997
Volume 2: Gulf of Mexico and Tennessee River Basin Regions

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-97-2

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-97-2

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 1997 water year for Georgia consists of discharge records for 123 gaging stations; stage for 23 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 202 continuing-record stations; and peak stage and discharge only for 77 crest-stage partial-record stations; and water levels of 24 observation wells.

The data for the Gulf of Mexico and Tennessee River Basin Regions in Georgia include discharge records of 50 gaging stations; stage for 14 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 82 continuing-record stations; and peak stage and discharge only for 38 crest-stage partial-record stations; and water levels for 12 observation wells.

These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agenceies 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
393

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
Unclassified	Unclassified	Unclassified	

CONTENTS

Page

Preface ... iii
List of surface-water stations, in downstream order, for which records are published ... vi
List of ground-water wells, by county, for which records are published ... ix
Introduction ... 1
Cooperation ... 1
Summary of hydrologic conditions ... 2
  Streamflow ... 2
  Water quality ... 4
  Ground water ... 4
  Water use ... 4
Special networks and programs ... 6
  Explanation of records ... 6
  Station identification numbers ... 6
    Downstream order system ... 7
    Latitude-longitude system ... 7
  Records of stage and water discharge ... 7
    Data collection and computation ... 7
    Data presentation ... 8
    Identifying estimated daily discharge ... 11
    Accuracy of the records ... 11
    Other records available ... 12
  Records of surface-water quality ... 12
    Classification of records ... 12
    On-site measurements and sample collection ... 12
    Water temperature ... 12
    Sediment ... 13
    Laboratory measurements ... 13
    Data presentation ... 13
    Remark codes ... 13
  Records of ground-water levels ... 14
    Data collection and computations ... 14
    Data presentation ... 14
  Records of precipitation-quality ... 15
    On-site measurements and sample collection ... 15
    Data presentation ... 15
Access to USGS WATER data ... 16
Definition of terms ... 17
Publications on techniques of water-resources investigations ... 24
Station records, surface water ... 33
  Discharge at partial-record stations and miscellaneous sites ... 352
    Crest-stage partial-record stations ... 352
List of active and discontinued gaging stations ... 357
List of active and discontinued water-quality monitoring stations ... 364
Station records, ground water ... 367
  Ground-water levels ... 367
Index ... 379

ILLUSTRATIONS

Figure 1. Graph of comparison of discharge at three representative long-term gaging stations, during 1997 water year with median discharge for 30-year reference period, 1961-90 ... 3
2. Permitted withdrawals from ground- and surface-water sources for water years 1991-1997 ... 5
3. System for numbering wells and other off-stream sites ... 7
4. Map showing location of gaging stations ... 27
5. Map showing location of crest-stage partial-record stations ... 28
6. Map showing location of water-quality sampling stations ... 29
7. Map showing location of selected ground-water level observation wells ... 30

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
SUWANNEE RIVER BASIN		
Suwannee River at Fargo (dcm)	02314500	33
Alapaha River at Statenville (d)	02317500	37
Withlacoochee River at McMillan Road, near Bemiss (d)	023177483	39
Little River near Tifton (c)	02317797	41
Withlacoochee River near Quitman (dc)	02318500	44
Okapilco Creek at State Highway 33, near Quitman (d)	02318700	49
Withlacoochee River near Clyattville (cm)	02318960	51
OCHLOCKONEE RIVER BASIN		
Ochlockonee River near Calvary (cm)	02328200	53
Little River:		
Little Attapulgus Creek at Attapulgus (d)	02329342	55
APALACHICOLA RIVER BASIN		
Chattahoochee River (head of Apalachicola River) at Helen (d)	02330450	56
Chattahoochee River near Cornelia (dcms)	02331600	58
Little River:		
West Fork Little River near Clermont (dc)	02332830	61
Dicks Creek (head of Chestatee River) near Neels Gap (cm)	02333105	67
Chestatee River near Dahlonega (dcms)	02333500	69
Chattahoochee River at Buford Dam, near Buford (d)	02334430	72
Suwanee Creek near Suwanee (d)	02334885	74
Chattahoochee River near Norcross (d)	02335000	76
Johns Creek at Buice Road, near Warsaw (d)	02335078	78
Chattahoochee River above Roswell (d)	02335450	81
Big Creek near Alpharetta (d)	02335700	83
Chattahoochee River at Morgan Falls Dam, at Sandy Springs (g)	02335810	85
Chattahoochee River at Johnson Ferry Road, near Atlanta (d)	02335830	86
Sope Creek near Marietta (d)	02335870	89
Chattahoochee River at Atlanta (d)	02336000	96
Peachtree Creek at Atlanta (dgcm)	02336300	98
Nancy Creek at West Wesley Road, at Atlanta (d)	02336410	106
Chattahoochee River at State Highway 280, near Atlanta (d)	02336490	109
Proctor Creek at Northwest Drive, near Atlanta (d)	02336529	111
Nickajack Creek at US Highways 78 and 278, near Mableton (d)	02336635	114
Sweetwater Creek near Austell (dcm)	02337000	116
Deep Creek at State Highway 70, near Tell (d)	02337160	120
Chattahoochee River near Fairburn (dcmkhto)	02337170	123
Bear Creek at State Highway 70, near Rico (d)	02337320	136
Snake Creek near Whitesburg (dc)	02337500	139
Chattahoochee River near Whitesburg (dcms)	02338000	146
Chattahoochee River at Franklin (gcm)	02338500	151
Hillabahatchee Creek near Franklin (cm)	02338530	155
New River near Corinth (dcm)	02338660	156
Chattahoochee River near LaGrange (cm)	02338720	160
Yellowjacket Creek near Hogansville (cm)	02338840	162
Chattahoochee River at West Point (dgcm)	02339500	164
Chattahoochee River at Columbus (dg)	02341500	167
Upatoi Creek near Columbus (dcm)	02341800	170
Chattahoochee River near Omaha (cm)	02342881	172
Chattahoochee River at Coast Guard Dock at Eufaula, Ala. (g)	0234296910	174
Chattahoochee River near Columbia, Ala. (dcm)	02343801	175
Chattahoochee River near Steam Mill (cm)	02344040	177
Flint River near Lovejoy (d)	02344350	179
Flint River above Griffin (cm)	02344400	181
Flint River near Griffin (dcm)	02344500	184
Line Creek near Senoia (d)	02344700	186
Flint River near Culloden (dcm)	02347500	188
Flint River at Montezuma (dgcm)	02349500	190
Turkey Creek at Byromville (d)	02349900	194
Flint River at State Highway 32, near Oakfield (d)	02350512	196
Kinchafoonee Creek near Dawson (dcm)	02350900	198
Muckalee Creek at State Highway 195, near Leesburg (dcm)	02351890	200
Flint River at Albany (dg)	02352500	202
Flint River near Putney (cm)	02352790	204

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

	Station number	Page
APALACHICOLA RIVER BASIN--Continued		
Chattahoochee River--Continued		
Flint River at Newton (dcms)	02353000	206
Ichawaynochaway Creek:		
Pachitla Creek near Edison (dcm)	02353400	209
Ichawaynochaway Creek at Milford (dcm)	02353500	211
Chickasawhatchee Creek at Elmodel (dcm)	02354500	213
Ichawaynochaway Creek near Elmodel (d)	02354800	215
Ichawaynochaway Creek below Newton (dcm)	02355350	217
Flint River at Bainbridge (g)	02356000	219
Flint River below Bainbridge (cm)	02356015	220
Spring Creek near Iron City (dcm)	02357000	222
Lakes and reservoirs in Apalachicola River basin		224
MOBILE RIVER BASIN		
Cartecay River (head of Coosawattee River) near Ellijay (cm)	02379500	229
Coosawattee River (continuation of Cartecay River) near Ellijay (dcm).	02380500	230
Talking Rock Creek:		
Talona Creek:		
Fausett Creek near Talking Rock (d)	02381600	233
Talking Rock Creek near Blaine (cm)	02381895	235
Talking Rock Creek near Hinton (d)	02382200	236
Coosawattee River at Carters (dcm)	02382500	238
Sallacoa Creek:		
Pine Log Creek at Sonoraville (cm)	02383110	241
Coosawattee River near Pine Chapel (d)	02383500	242
Coosawattee River near Calhoun (cm)	02383540	244
Conasauga River:		
Jacks River at Alacolsy (cm)	02383800	245
Conasauga River near Tennga (cm)	02384000	246
Conasauga River near Eton (d)	02384500	247
Mill Creek near Crandall (d)	02384540	249
Conasauga River near Dalton (cm)	02384748	251
Coahulla Creek near Dalton (cm)	02385250	254
Holly Creek near Chatsworth (d)	02385800	255
Holly Creek below Chatsworth (cm)	02386100	257
Conasauga River at Tilton (dcmkhto)	02387000	258
Conasauga River near Resaca (cm)	02387050	271
Oostanaula River (continuation of Coosawattee River) at Resaca (dgs)	02387500	272
Oostanaula River below Resaca (cm)	02387502	275
Oostanaula River near Calhoun (cm)	02387650	276
Armuchee Creek:		
Little Armuchee Creek:		
Heath Creek below Rocky Mountain Damsite, near Armuchee (d)	02388320	277
Armuchee Creek near Rome (cm)	02388350	279
Oostanaula River near Rome (d)	02388500	280
Oostanaula River at Rome (cm)	02388520	282
Oostanaula River at 5th Avenue, at Rome (g)	02388530	284
Etowah River near Dawsonville (cm)	02389000	285
Long Swamp Creek near Ball Ground (cm)	02390500	286
Etowah River at Canton (dgcm)	02392000	287
Little River near Woodstock (cm)	02392780	290
Noonday Creek near Woodstock (cm)	02393000	291
Etowah River at Allatoona Dam, above Cartersville (dcm)	02394000	292
Pumpkinvine Creek near Emerson (cm)	02394520	295
Etowah River near Cartersville (gcm)	02394670	296
Euharlee Creek near Stilesboro (cm)	02394958	298
Etowah River near Euharlee (cm)	02394980	299
Two Run Creek near Kingston (d)	02395120	301
Etowah River at State Highway 1 Loop, near Rome (d)	02395980	303
Etowah River at Rome (cm)	02396000	305
Coosa River (continuation of Oostanaula River) near Rome (dgcmt)	02397000	306
Coosa River at State Highway 100, near Coosa (cm)	02397100	312
Cedar Creek at Cedartown (d)	02397410	314
Cedar Creek near Cedartown (cm)	02397500	316
Coosa River near Coosa (cmkhto)	02397530	317
Chattooga River:		
Spring Creek near Trion (cm)	02397845	328
Chattooga River at Summerville (dcm)	02398000	329
Chattooga River at Chattoogaville (cm)	02398037	332
Tallapoosa River near Felton (cm)	02411850	334
Tallapoosa River below Tallapoosa (cm)	02411930	335
Little Tallapoosa River at Carrollton (cm)	02413000	336
Buffalo Creek near Roopville (cm)	02413160	337
Little Tallapoosa River below Bowdon (cm)	02413210	338

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

	Station number	Page
TENNESSEE RIVER BASIN		
Tennessee River:		
Hiawassee River:		
Corbin Creek:		
Brier Creek near Hiawassee (d)	03544947	342
South Chickamauga Creek:		
Mud Creek:		
West Chickamauga Creek (continuation of Mud Creek) near Lakeview (cm)	03567340	344
Chattanooga Creek at Burnt Mill Road, at St Elmo, Tenn. (cm)	03568550	346
McFarland Spring Branch at State Line Road , at Chattanooga, Tenn. (cm)	03568595	347
Lookout Creek near New England (d)	03568933	348
Lakes in Tennessee River basin		350
DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES		
Crest-stage partial-record stations		352

GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED GROUND-WATER LEVELS

	Station number	Page
CHARLTON COUNTY		
Well 304942082213801, Local number 27E004	304942082213801	367
COOK COUNTY		
Well 310813083260301, Local number 18H016	310813083260301	368
DECATUR COUNTY		
Well 305736084355801, Local number 09F520	305736084355801	369
DOUGHERTY COUNTY		
Well 313532084203501, Local number 11L002	313532084203501	370
Well 313554084062501, Local number 13L002	313554084062501	371
Well 313748084002901, Local number 13L003	313748084002901	372
FULTON COUNTY		
Well 334207084254801, Local number 10DD02	334207084254801	373
LOWNDES COUNTY		
Well 304949083165301, Local number 19E009	304949083165301	374
MILLER COUNTY		
Well 310651084404501, Local number 08G001	310651084404501	375
RANDOLPH COUNTY		
Well 314602084473701, Local number 07N001	314602084473701	376
WORTH COUNTY		
Well 313146083491601, Local number 15L020	313146083491601	377

INTRODUCTION

Water resources data for the 1997 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 published in two volumes. These volumes contain discharge records of 123 gaging stations; stage for 23 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 202 continuing-record stations; peak stage and discharge only for 77 crest-stage partial-record stations; and water levels of 24 observation wells. 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.

This report (Volume 2, Gulf of Mexico and Tennessee River Basin regions) contains discharge records for 73 gaging stations; stage for 14 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 82 continuing-record stations; and peak stage and discharge only for 38 crest-stage partial-record stations; and water levels for 12 observation wells.

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-97-1." 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 Attapulgus
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

For rural unregulated streams with more than 15 years of record, runoff during the 1997 water year ranged from more than 120 percent of normal at two streamflow stations in northern Georgia to less than 35 percent of normal at one streamflow station 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 near normal. At streamflow stations in this area, the ratios of runoff during the year to long-term runoff increased from an average slightly below normal, about 0.9, along the line to more than 1.1 for several stations scattered across northern Georgia. Excluding one station in the metropolitan Atlanta 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 a little more than 1.0 and ranged from 0.72 at Falling Creek near Juliette to 1.26 at Holly Creek near Chatsworth. Moving south from the Columbus-to-Augusta line, annual runoff decreased significantly through east-central Georgia and into the southeastern corner of the State where annual runoff was lowest. In south-central and extreme southeastern Georgia, streamflow station runoff ratios averaged slightly more than 0.7 and a little less than 0.6, respectively, ranging from 0.89 at Williamson Swamp Creek at Davisboro to 0.32 at Penholoway Creek near Jesup. In southwestern and across extreme southern Georgia, annual runoff was more nearly normal and runoff ratios averaged almost 0.9. In this area the runoff ratios ranged from 0.80 at Turkey Creek near Byromville to 1.00 at Spring Creek near Iron City, the only streamflow station south of the Columbus-to-Augusta line where the annual runoff was not below normal.

For eleven of the twelve months of the 1997 water year, monthly mean flow for streamflow stations in central and southern Georgia was below normal. In these areas, only February streamflow was above normal; averaging almost 110 percent of normal and about 130 percent of normal for stations in central and southern Georgia, respectively. When compared to normal, the lowest flows in these areas occurred in April and September. In central Georgia, September flow averaged about 60 percent of normal and April flow averaged less than 45 percent of normal. Across southern Georgia, September flow was lowest, averaging a little more than 10 percent of normal, while April flow averaged about 25 percent of normal. During the year, monthly mean flow for streamflow stations across northern Georgia was at or above normal for five months. The highest flows occurred in May and June and averaged about 125 percent and 140 percent of normal, respectively. In this area, monthly flow for August was lowest and averaged a little more than 70 percent of normal. Figure 1 shows monthly discharges and yearly mean discharges for the 1997 water year and the median monthly and yearly mean discharges for 1961-90 at three representative long-term gaging stations.

During the year, significant high-flow events were non-existent. Only one streamflow station had peak flow with a recurrence interval as great as 25 years. In early March, Line Creek near Senoia, located south and west from the Metropolitan Atlanta area, experienced a peak flow with a recurrence interval of about 25 years. At this time, two other stations in the same vicinity had peak flows with recurrence intervals of a little less than 10 years. The peak-flow recurrence interval for all other streamflow stations was five years or less with the recurrence interval for most stations being less than 2 years. Although most streams throughout the State had minimum flows with recurrence intervals of 5 years or less, significant low-flow events were somewhat more numerous than high-flow events, with several stations scattered across the State experiencing minimum flows with a recurrence interval of 10 years or greater. The most notable was a greater than 50-year occurence at Ichawaynochaway Creek near Milford where there is extensive surface- and ground-water withdrawal for irrigation. Another station, Flint River near Griffin, located south and west from the metropolitan Atlanta area, had a minimum flow recurrence interval greater than 30 years. The minimum flow at this station is affected by significant surface-water withdrawal for water supply. In east-central and southeastern Georgia, a few stations had minimum-flow recurrence intervals of 10-20 years. In this area, one of the more notable occurences was the 20-year recurrence interval for minimum flow at the Altamaha River at Doctortown, with a drainage area of 13,600 square miles (mi^2).

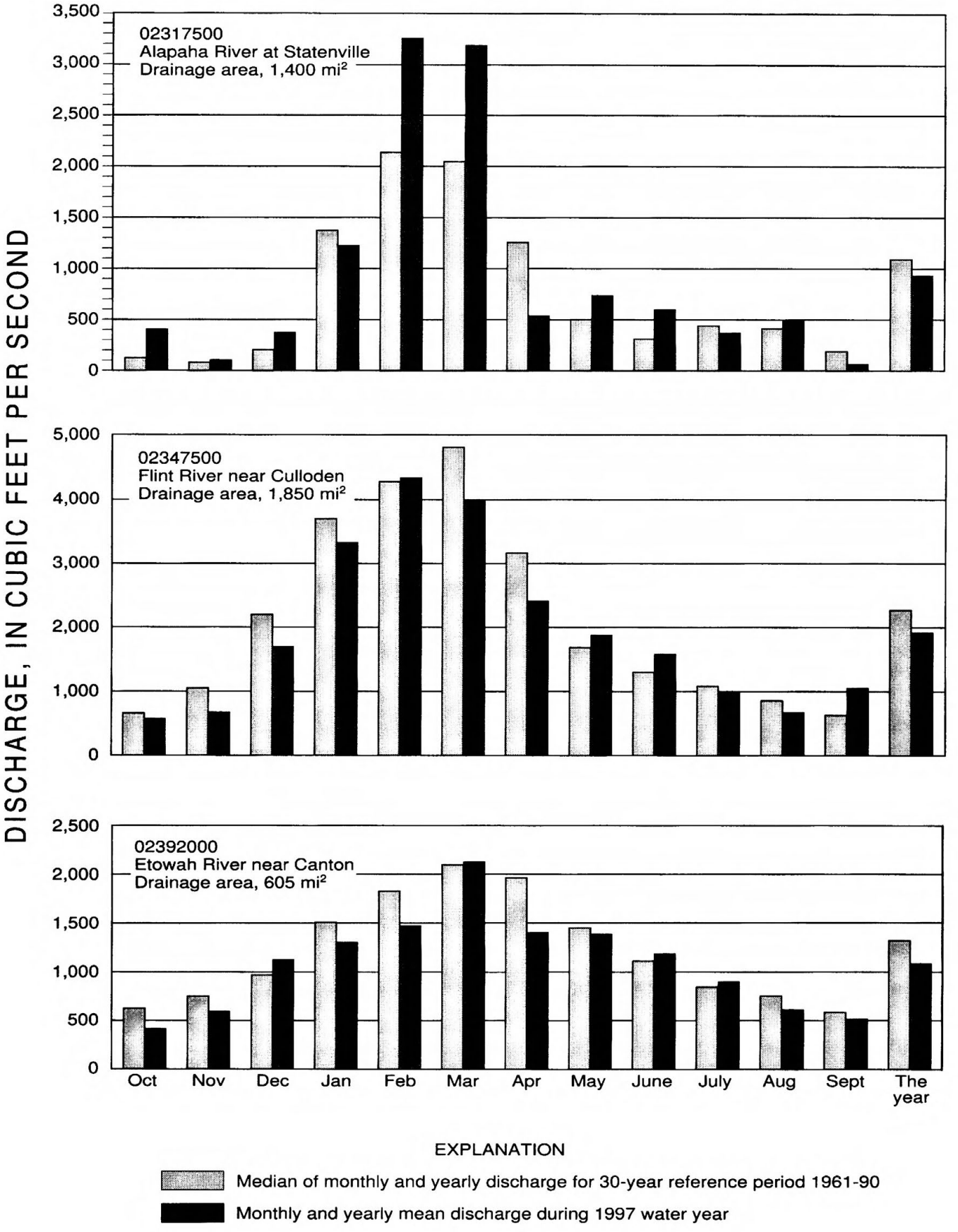


Figure 1. Comparison of discharge at three representative long-term gaging stations during 1997 water year with median discharge for 30-year reference period, 1961–90.

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 third year of implementation and for most water-quality network stations data are collected monthly on a calendar-year basis. During water year 1997, the last three months of samples were obtained for stations in the Oconee, Coosa and Tallapoosa River basins, the second basin group selected for data collection, and the first nine months of sampling was accomplished for the Savannah and Ogeechee River basins, the third basin group selected for data collection. Data were also obtained for 12 samples at each of 37 "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 1997 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 6.3 feet (ft) lower to 6.1 ft higher in the 1997 water year than in the 1996 water year. In northern Georgia, mean water levels in the crystalline rock aquifers were about the same in 1997 as in 1996 and a record high water level was recorded in well 11AA01 in Spalding County. Along the coast, mean water levels in the Floridan aquifer system were from 3.8 ft lower to 1.6 ft higher in 1997 than in 1996. In the Jesup, Riceboro, Brunswick, and Okefenokee Swamp areas, mean water levels in the Floridan aquifer system were from 1.0 ft lower to 1.6 ft higher in 1997 than in 1996. In the southwestern part of the State, mean water levels in the Floridan aquifer system were from 1.0 ft lower to 1.6 ft higher in 1997 than in 1996. In the southwestern part of the State, mean water levels in the Floridan aquifer system were from 1.4 ft lower to 6.1 ft higher in 1997 than in 1996 and record low water levels were recorded in well 08G001 in Miller County, 15L020 in Worth County, and well 18H016 in Cook County. Mean water levels in the Clayton aquifer of southwestern Georgia were from 6.3 ft lower to 1.8 ft higher in 1997 than in 1996.

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, 1996", which includes data for calendar year 1996, and "Ground-water Conditions in Georgia, 1997", which includes data for calendar year 1997.

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 1980-97. USGS estimates water withdrawals for irrigation use by inches of water applied per crop and acres; 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 year1997 are shown on figure 2.

Reported off-stream withdrawals for the water-use categories of thermoelectric, public supply, and industrial and commercial totaled about 4,967 million gallons per day (Mgal/d) in 1997, a decrease of about 22 Mgal/d from 1996 withdrawals. In 1997, 18 thermoelectric plants, the largest water users in Georgia, withdrew about 3,110 Mgal/d mostly from surface-water sources; 94 Mgal/d more than in 1996. Permitted withdrawals by 321 public-supply systems totaled about 1,100 Mgal/d, of which about 82 percent of the public-supply withdrawals were from surface-water sources. Permitted withdrawals by 314 industrial and commercial users totaled about 755 Mgal/d, about 135 Mgal/d less than in 1996. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

In 1997, hydroelectric power generation, the only in-stream use compiled by the Georgia Water-Use Program, totaled about 53,000 Mgal/d (53 billion gallons per day) for 37 permitted hydroelectric plants in Georgia.

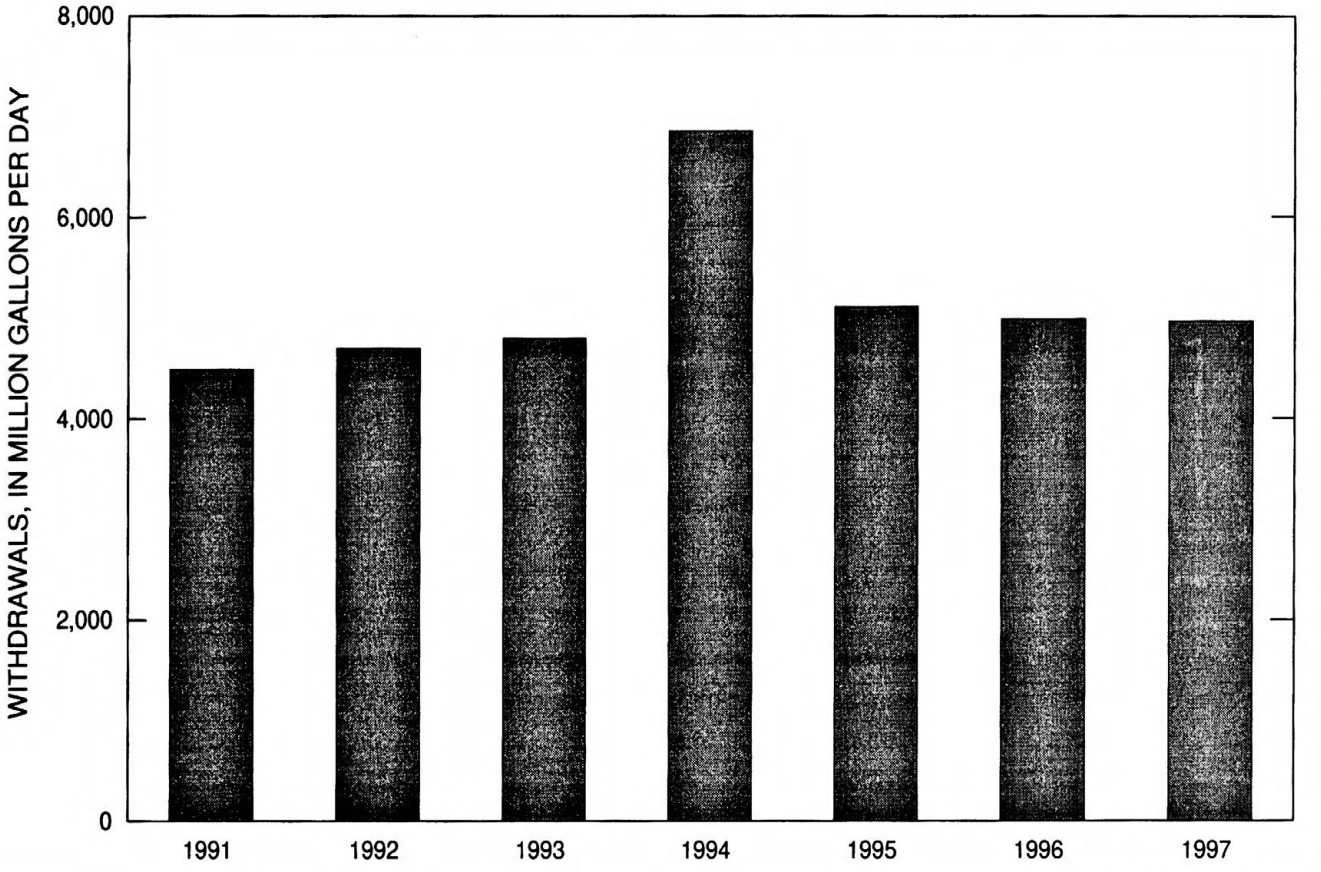


Figure 2. Permitted withdrawals from ground- and surface-water sources for water years 1991-1997

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 indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention 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 3. 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.

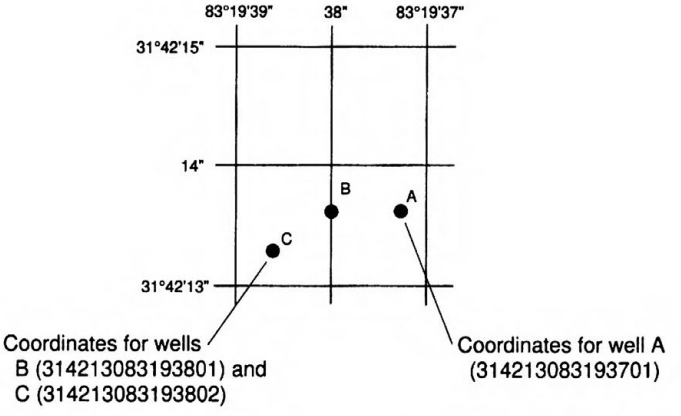


Figure 3.--System for numbering wells and other off-stream sites (latitude and longitude).

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 4 and 5.

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 haded "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 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to the nearest whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for values more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, 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 6.

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 computerized data system of the Georgia District, U.S. Geological Survey, and, subsequently, by monthly transfer of update-transactions to the STORET system of the U.S. Environmental Protection Agency. 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.
&	Biological organism estimated as dominant.
D	Biological organism count equal to or greater than 15 percent (dominant).
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).
V	Analyte was detected in both the environmental sample and the associated blanks.

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 7.

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 $7^1/_2$-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 $7^1/_2$-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

Precipitation-quality data 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. The U.S. Geological Survey collects precipitation-quality data in Georgia collaborating with the National Atmospheric Deposition Program/National Trends Network (NADP/NTN), a cooperative research program of Federal, State and private organizations.

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 recepticle. 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 for site GA99 can be accessed through the World Wide Web (WWW) at:

http://nadp.sws.uiuc.edu/nadpdata

ACCESS TO USGS WATER DATA

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

http://www.water.usgs.gov

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page).

DEFINITION OF TERMS

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/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

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

Organic mass or volatile mass of the living substance is the difference between 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 [$(ft^3/s)/mi^2$ 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 calender 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 μm 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 (µg/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 (µG/L, µg/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 Assesment (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:

Classification	Size (mm)			Method of analysis
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 [mg C/(m^2,time)] for periphyton and macrophytes and mg C/(m^3,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 [mg O2/(m^2,time)] for periphyton and macrophytes and mg O^2/(m^3,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) x discharge (ft^3/s) x 0.0027.

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

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

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 emersed 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 planimetered. All areas shown are those for the stage when the planimetered 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 μm 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 μm 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 hierarchial 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 taxomy of a particular mayfly, *Hexagenia limbata,* is the following:

Kingdom	Animalia
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	*Hexagenia*
Species	*Hexagenia limbat*

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.

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

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.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, N. Yotsukura, G.W. Parker, and L.L. DeLong: USGS-TWRI Book 3, Chapter A18. 1989. 52 pages.

3-A19. *Levels at streamflow gaging stations,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

3-A20. *Simulation of soluable 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. *Regresssion 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. T*he 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.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

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. 993. 136 pages.

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-elment 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.

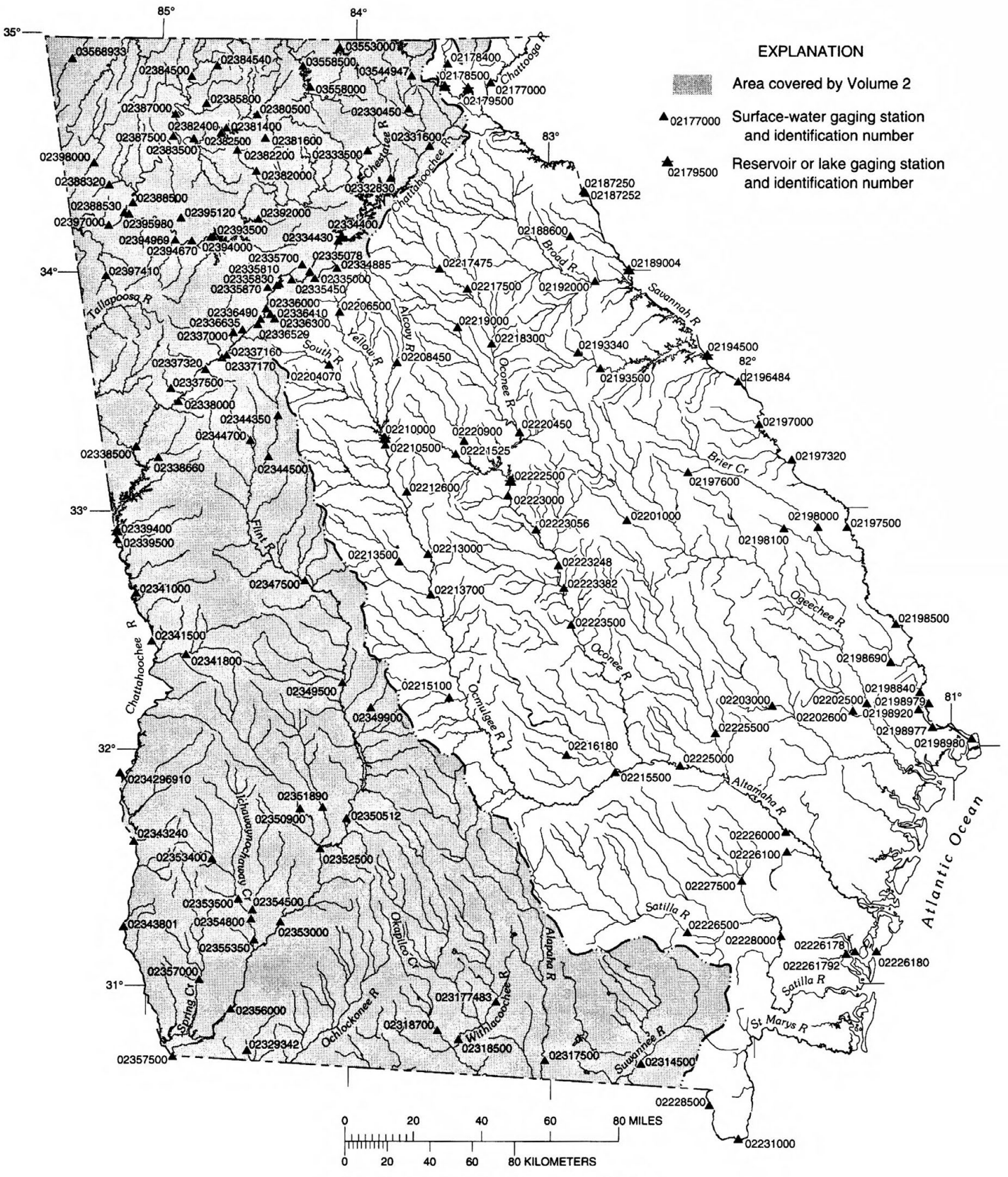


Figure 4. Location of gaging stations.

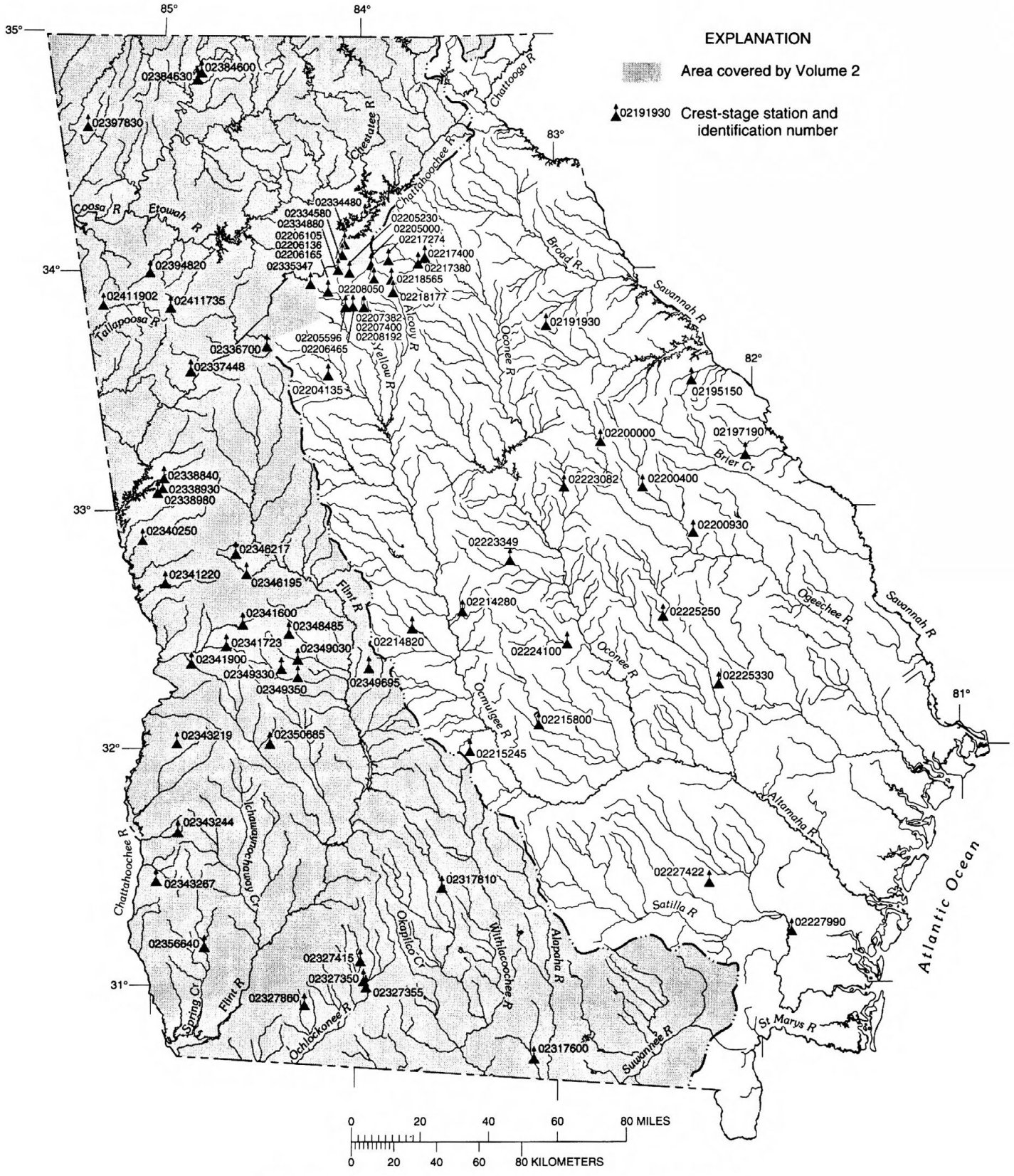


Figure 5. Location of crest-stage partial-record stations.

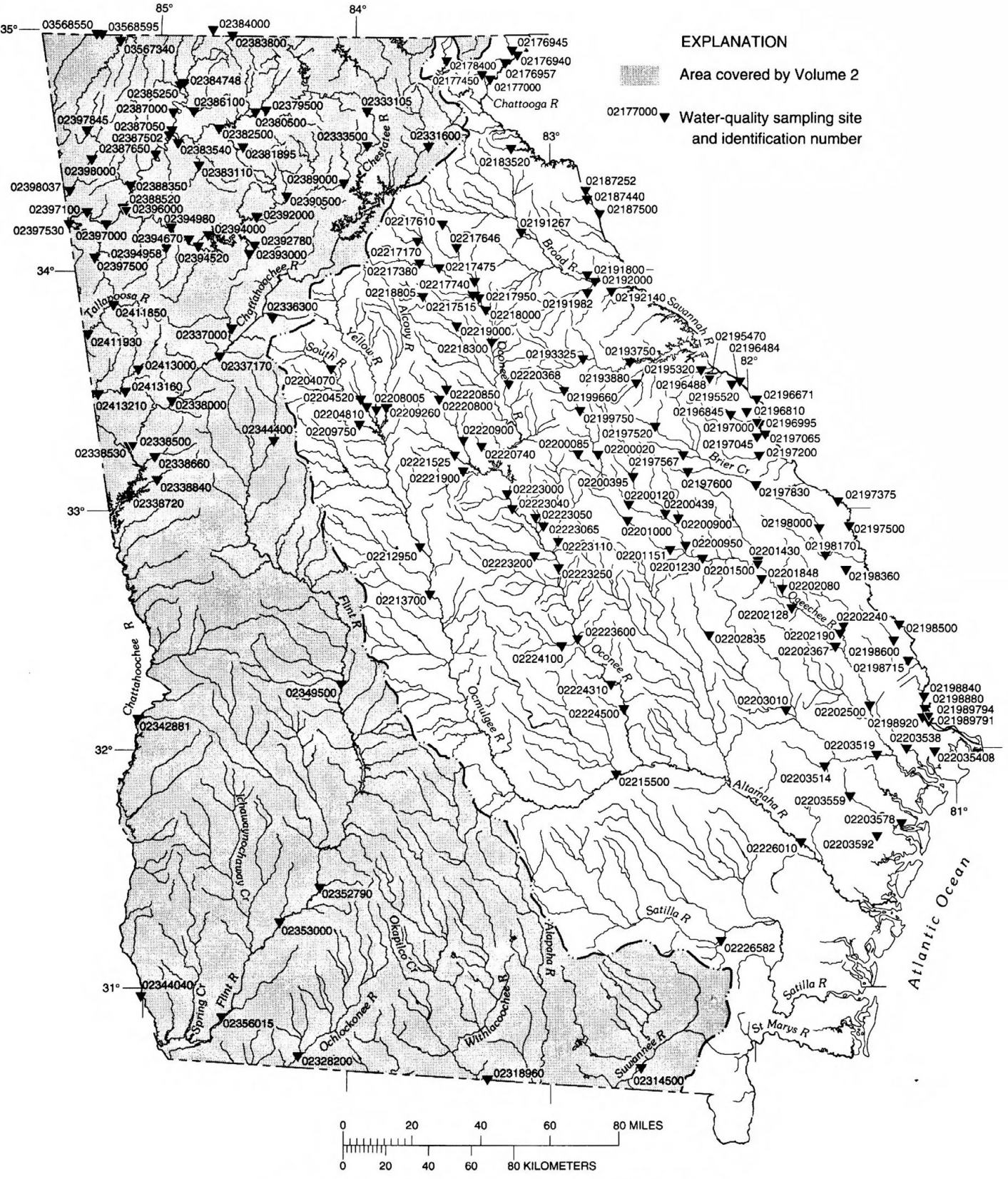


Figure 6. Location of surface-water-quality stations.

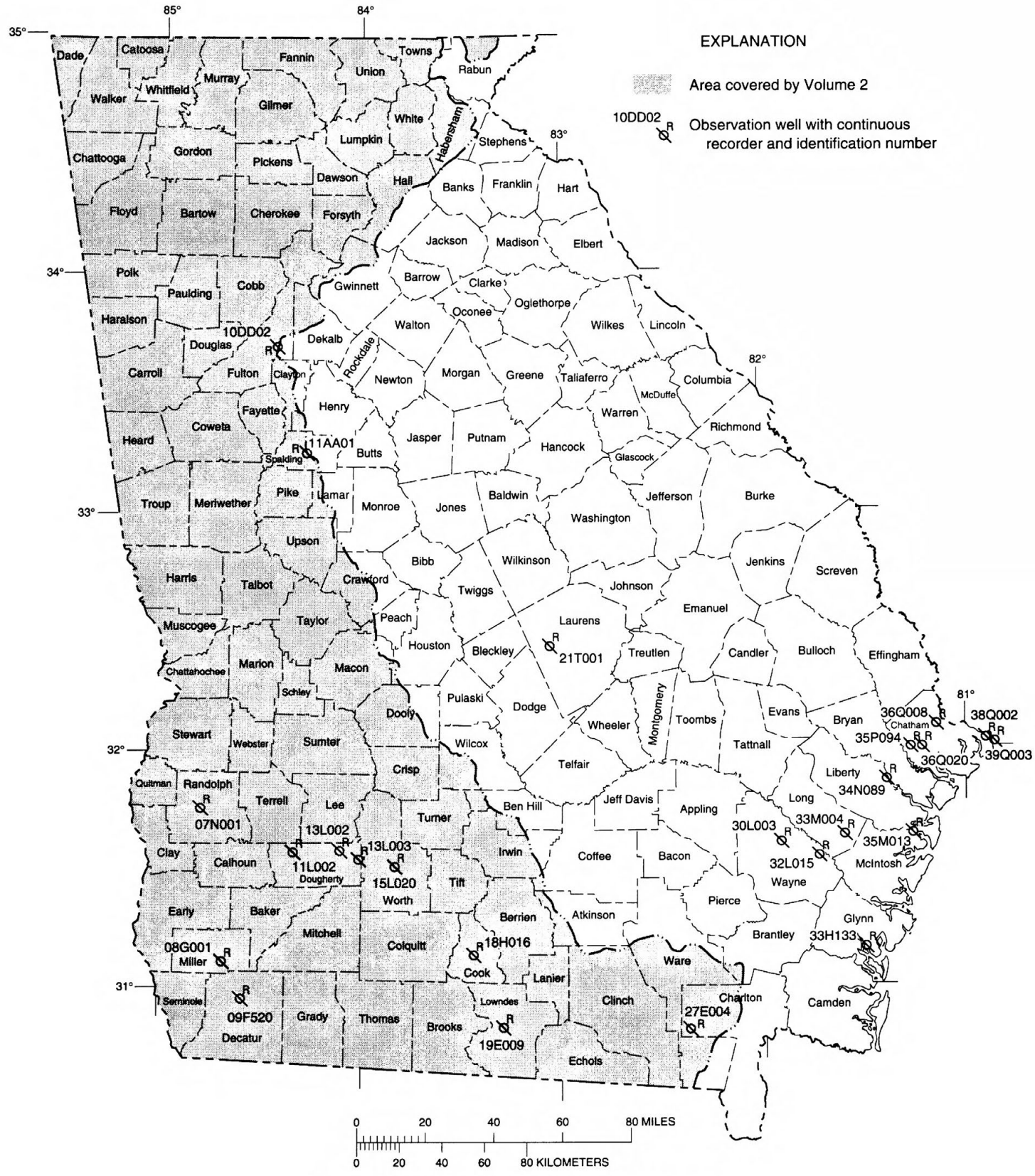


Figure 7. Location of selected observation wells.

SURFACE-WATER RECORDS

Remark Codes

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

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.
&	Biological organism estimated as dominant.
D	Biological organism count equal to or greater than 15 percent (dominant).
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).
V	Analyte was detected in both the environmental sample and the associated blanks.

Change in National Trends Network procedures: The sample handling procedures at all National Trends Network stations werechanged 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.

Dissolved Trace-Element Concentrations: Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/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 µg/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.

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

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 mi^2, 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, except those during the period June 17 to August 4, which are good to fair. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 9	1000	*2,960	*11.95	No other peak greater than base discharge.			

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	97	1200	354	465	1400	1980	1280	566	713	593	e1000	613
2	198	1100	453	458	1420	1980	1260	550	742	672	e1500	543
3	329	1010	472	449	1430	1970	1220	532	753	677	e1900	484
4	324	936	465	439	1420	1920	1170	533	739	631	e2200	430
5	321	867	461	432	1400	1870	1110	537	731	601	2400	382
6	337	800	461	441	1370	1820	1030	531	738	607	2490	339
7	568	737	481	457	1340	1760	970	523	738	680	2630	302
8	1540	698	521	481	1310	1700	905	518	723	820	2830	270
9	2040	692	530	646	1290	1640	842	512	702	859	2950	244
10	2250	667	527	829	1260	1580	780	503	681	862	2920	223
11	2330	638	523	866	1210	1540	720	493	661	841	2790	209
12	2350	606	517	888	1170	1490	665	518	655	810	2620	200
13	2330	579	511	902	1130	1440	610	583	676	783	2460	187
14	2300	557	503	914	1120	1420	561	618	674	760	2300	174
15	2290	534	490	922	1140	1380	524	621	635	742	2160	161
16	2280	510	476	942	1170	1350	490	626	584	732	2100	150
17	2260	489	463	977	1200	1310	455	618	534	727	2080	140
18	2240	472	457	1000	1220	1280	418	594	508	697	1960	131
19	2210	456	499	1020	1230	1250	383	572	613	661	1830	124
20	2160	452	534	1040	1250	1200	351	604	642	644	1710	117
21	2080	448	535	1050	1260	1160	323	568	599	613	1590	111
22	2010	440	529	1060	1280	1170	307	518	548	585	1480	105
23	1930	429	525	1080	1330	1170	357	465	522	567	1380	100
24	1850	410	520	1090	1420	1140	430	426	493	499	1290	95
25	1770	390	513	1110	1520	1120	422	415	473	446	1220	91
26	1690	376	506	1150	1670	1160	408	417	485	402	1130	89
27	1620	361	498	1190	1820	1200	478	425	463	372	1040	88
28	1570	350	491	1220	1930	1210	560	664	514	358	929	88
29	1510	340	486	1250	---	1220	592	728	514	335	838	86
30	1410	332	479	1310	---	1250	580	747	507	341	759	84
31	1310	---	472	1350	---	1290	---	740	---	389	686	---
TOTAL	49504	17876	15252	27428	37710	44970	20201	17265	18560	19306	57172	6360
MEAN	1597	596	492	885	1347	1451	673	557	619	623	1844	212
MAX	2350	1200	535	1350	1930	1980	1280	747	753	862	2950	613
MIN	97	332	354	432	1120	1120	307	415	463	335	686	84
CFSM	1.27	.47	.39	.70	1.07	1.15	.53	.44	.49	.49	1.46	.17
IN.	1.46	.53	.45	.81	1.11	1.33	.60	.51	.55	.57	1.69	.19

e Estimated

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1130	586	666	1077	1487	1840	1596	664	490	660	1111	1052
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1927 - 1997	
ANNUAL TOTAL	209973		331604			
ANNUAL MEAN	574		909		1039	
HIGHEST ANNUAL MEAN					3512	1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	2710	Apr 2	2950	Aug 9	13800	Oct 1 1928
LOWEST DAILY MEAN	25	Jun 17	84	Sep 30	.00	a
ANNUAL SEVEN-DAY MINIMUM	28	Jun 14	89	Sep 24	.00	b
INSTANTANEOUS PEAK FLOW			2690	Aug 9	13800	Oct 1 1928
INSTANTANEOUS PEAK STAGE			11.95	Aug 9	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			82	Sep 30	.00	a
ANNUAL RUNOFF (CFSM)	.46		.72		.82	
ANNUAL RUNOFF (INCHES)	6.20		9.79		11.20	
10 PERCENT EXCEEDS	1860		1880		2660	
50 PERCENT EXCEEDS	327		676		461	
90 PERCENT EXCEEDS	52		341		32	

a No flow on a number of days during 1932, 1944, 1954, and 1955 water years
b A number of seven-day periods with no flow during 1944, 1954, and 1955 water years

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 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
29...	1135	81341	1510	83	80	3.9	3.8	21.5	30.5	5.9	67
NOV											
19...	1110	81341	456	79	71	4.0	4.0	15.5	16.5	8.9	90
DEC											
17...	1055	81341	463	79	69	3.8	3.8	13.5	16.5	10.2	99
JAN											
21...	1035	81341	1050	82	67	3.9	3.9	7.5	17.0	12.4	103
FEB											
18...	1215	81341	1220	80	71	3.9	4.0	13.0	21.0	10.2	96
MAR											
18...	1045	81341	1280	80	67	3.9	4.0	17.0	25.0	7.5	77
APR											
22...	0850	81341	309	80	74	3.9	3.9	20.5	23.0	7.8	88
MAY											
20...	0915	81341	609	74	67	3.9	3.8	23.5	26.0	7.0	83
JUN											
03...	0950	81341	753	78	71	3.9	3.9	23.0	26.5	7.0	82
JUL											
22...	0945	81341	576	77	73	3.9	3.6	28.0	30.0	6.0	77
AUG											
19...	0945	81341	1840	79	77	3.9	3.7	27.5	32.0	5.0	64
SEP											
16...	0905	81341	151	80	79	3.9	3.7	27.5	28.5	5.7	72

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	TANNIN AND LIGNIN (MG/L) (32240)
OCT											
29...	81341	380	2.0	1.0	<1	<1	.130	<.030	<.020	54	4.5
NOV											
19...	81341	180	5.0	<1.0	<1	2	<.020	<.030	<.020	46	7.0
DEC											
17...	81341	240	3.0	1.2	<1	2	.070	<.030	<.020	42	7.1
JAN											
21...	81341	180	3.0	<1.0	<1	<1	.090	<.030	<.020	40	6.3
FEB											
18...	81341	220	2.0	<1.0	<1	2	.070	<.030	<.020	46	6.3
MAR											
18...	81341	360	1.0	1.1	<1	2	<.020	<.030	<.020	51	7.7
APR											
22...	81341	240	2.0	1.4	<1	10	.480	.120	.020	47	--
MAY											
20...	81341	320	4.0	<1.0	<1	3	.200	<.030	.020	48	6.0
JUN											
03...	81341	360	2.0	1.0	<1	1	.090	.050	<.020	55	8.0
JUL											
22...	81341	300	2.0	<1.0	<1	<1	.080	<.030	<.020	59	6.6
AUG											
19...	81341	400	4.0	1.4	<1	<1	.130	<.030	<.020	64	10
SEP											
16...	81341	320	1.0	<1.0	<1	<1	.050	<.030	<.020	54	8.4

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
29...	1135	81341	1510	80
NOV				
19...	1110	81341	456	20
DEC				
17...	1055	81341	463	20
JAN				
21...	1035	81341	1050	20
FEB				
18...	1215	81341	1220	20
MAR				
18...	1045	81341	1280	80
APR				
22...	0850	81341	309	110
MAY				
20...	0915	81341	609	460
JUN				
03...	0950	81341	753	70
JUL				
22...	0945	81341	576	50
AUG				
04...	1055	81213	E2200	310
11...	0925	81213	2810	<20
19...	0945	81341	1840	<20
SEP				
16...	0905	81341	151	20

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 mi^2, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1400	*6,730	*24.18	No other peak greater than base discharge.			

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	51	145	100	454	1770	6690	1060	1220	696	276	1070	89
2	69	137	132	442	1820	6630	973	1140	774	256	2040	83
3	73	132	152	438	1870	6610	890	1190	833	238	1690	80
4	67	124	173	426	1910	6650	798	1310	851	231	1260	78
5	68	119	190	414	1930	6630	708	1380	861	316	1100	76
6	65	114	273	424	1980	6540	625	1290	865	442	1020	75
7	163	110	389	445	2050	6350	564	1040	863	481	861	72
8	1010	112	463	462	2150	5980	538	866	881	525	661	68
9	1120	114	465	734	2230	5370	568	863	907	668	519	66
10	1040	105	459	1110	2250	4540	543	953	919	531	439	66
11	838	101	437	1270	2160	3600	494	1060	885	436	371	70
12	833	100	390	1330	1960	2870	460	1150	806	371	318	68
13	885	97	345	1320	1780	2380	436	1180	750	374	281	64
14	866	98	306	1330	2100	2080	412	1060	844	401	247	63
15	723	97	273	1360	2780	1840	392	846	691	389	221	61
16	595	95	247	1470	3000	1640	368	659	541	379	247	60
17	518	95	229	1610	3130	1490	336	538	461	346	343	59
18	455	94	229	1660	3230	1410	306	463	430	315	294	58
19	391	94	330	1640	3300	1400	281	415	427	345	260	58
20	336	95	396	1610	3490	1440	257	382	416	457	234	56
21	296	97	437	1600	3900	1560	238	348	376	473	244	55
22	277	98	452	1630	4420	1720	223	313	354	416	224	53
23	268	97	478	1640	4960	1760	249	284	336	373	190	51
24	253	94	502	1640	5450	1730	253	261	327	336	166	50
25	234	93	530	1660	5910	1660	251	249	312	296	147	52
26	217	95	544	1740	6320	1600	263	262	302	328	132	52
27	202	96	556	1710	6580	1540	333	276	295	390	121	57
28	188	95	558	1620	6710	1440	676	317	334	318	111	64
29	175	93	538	1510	---	1320	1260	417	324	255	105	56
30	163	91	505	1550	---	1230	1290	517	300	221	98	52
31	155	---	476	1680	---	1150	---	614	---	268	92	---
TOTAL	12594	3127	11554	37929	91140	98850	16045	22863	17961	11451	15106	1912
MEAN	406	104	373	1224	3255	3189	535	738	599	369	487	63.7
MAX	1120	145	558	1740	6710	6690	1290	1380	919	668	2040	89
MIN	51	91	100	414	1770	1150	223	249	295	221	92	50
CFSM	.29	.07	.27	.87	2.33	2.28	.38	.53	.43	.26	.35	.05
IN.	.33	.08	.31	1.01	2.42	2.63	.43	.61	.48	.30	.40	.05

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	393	292	729	1383	2254	2645	2134	830	534	521	682	470
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1921 - 1997	
ANNUAL TOTAL	185566		340532			
ANNUAL MEAN	507		933		1080	
HIGHEST ANNUAL MEAN					3280	1948
LOWEST ANNUAL MEAN					127	1981
HIGHEST DAILY MEAN	3530	Apr 8	6710	Feb 28	26500	Apr 6 1948
LOWEST DAILY MEAN	41	Jan 1	50	Sep 24	17	Nov 10 1954
ANNUAL SEVEN-DAY MINIMUM	42	Sep 23	53	Sep 20	18	Nov 7 1954
INSTANTANEOUS PEAK FLOW			6730	Feb 28	27300	Apr 6 1948
INSTANTANEOUS PEAK STAGE			24.18	Feb 28	a29.80	Apr 6 1948
INSTANTANEOUS LOW FLOW			45	Oct 1	16	Nov 13 1954
ANNUAL RUNOFF (CFSM)	.36		.67		.77	
ANNUAL RUNOFF (INCHES)	4.93		9.05		10.48	
10 PERCENT EXCEEDS	1750		1970		2910	
50 PERCENT EXCEEDS	146		436		394	
90 PERCENT EXCEEDS	52		90		56	

a From graph based on gage readings.

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE 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 mi^2, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0500	*6,970	17.72	Feb. 28	1100	2,660	14.39

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	19	39	122	268	1380	2600	285	817	487	381	248	11
2	36	37	242	246	1330	2510	264	883	516	320	261	9.9
3	31	36	252	259	1190	2120	238	1090	471	281	188	9.0
4	21	34	302	291	1050	1620	215	1110	361	236	216	8.0
5	15	34	306	290	935	1230	190	820	299	175	207	7.3
6	12	32	317	329	773	920	168	516	302	135	207	6.7
7	129	31	431	317	625	719	219	331	270	119	163	6.3
8	843	44	488	399	538	591	412	244	272	117	132	6.0
9	701	54	379	726	532	511	665	198	238	119	145	5.8
10	661	64	272	967	465	448	878	161	194	132	96	5.7
11	1010	68	216	970	416	396	680	129	156	126	69	5.7
12	1230	58	183	1080	396	362	390	115	127	122	56	5.1
13	1260	49	164	1270	425	333	270	167	106	104	47	4.7
14	1030	48	149	1400	927	375	217	187	86	75	43	4.5
15	619	52	136	1370	1920	535	185	166	70	57	47	4.4
16	344	53	125	1190	3030	617	161	137	60	46	58	4.4
17	231	49	119	961	5810	692	137	130	53	37	224	4.3
18	179	44	133	699	6730	838	118	109	61	33	300	4.4
19	147	48	311	562	4930	963	101	87	80	28	180	4.9
20	121	57	372	502	3350	870	83	71	84	27	112	4.5
21	101	65	388	474	2340	786	67	59	91	23	77	4.1
22	84	85	399	450	1760	703	55	52	113	21	52	4.0
23	74	86	392	407	1520	611	68	46	101	19	44	4.0
24	66	77	422	373	1390	562	107	43	181	21	39	4.1
25	61	69	483	475	1590	494	158	71	217	15	31	4.3
26	56	69	471	647	1930	428	168	216	167	14	25	4.5
27	53	77	433	662	2430	374	239	278	181	15	20	5.4
28	51	95	393	689	2640	324	492	434	218	17	17	9.7
29	47	106	342	781	---	343	771	369	455	18	16	6.4
30	44	98	306	1050	---	343	823	398	373	14	15	21
31	42	---	289	1330	---	308	---	431	---	34	13	---
TOTAL	9318	1758	9337	21434	52352	24526	8824	9865	6390	2881	3348	190.1
MEAN	301	58.6	301	691	1870	791	294	318	213	92.9	108	6.34
MAX	1260	106	488	1400	6730	2600	878	1110	516	381	300	21
MIN	12	31	119	246	396	308	55	43	53	14	13	4.0
CFSM	.60	.12	.60	1.38	3.72	1.58	.59	.63	.42	.19	.22	.01
IN.	.69	.13	.69	1.59	3.88	1.82	.65	.73	.47	.21	.25	.01

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	278	111	270	968	1296	1208	485	170	179	296	410	98.9
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1988 - 1997	
ANNUAL TOTAL	71784.1		150223.1			
ANNUAL MEAN	196		412	482		
HIGHEST ANNUAL MEAN					1178	1991
LOWEST ANNUAL MEAN					135	1989
HIGHEST DAILY MEAN	2730	Apr 2	6730	Feb 18	19100	Mar5 1991
LOWEST DAILY MEAN	3.5	Aug 29	4.0	Sep 22,23	.51	Sep 24 1990
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 24	4.2	Sep 20	.65	Sep 21 1990
INSTANTANEOUS PEAK FLOW			6970	Feb 18	19500	Mar 5 1991
INSTANTANEOUS PEAK STAGE			17.72	Feb 18	22.44	Mar 5 1991
INSTANTANEOUS LOW FLOW			4.0	Sep 22,23,24	.48	Sep 23 1990
ANNUAL RUNOFF (CFSM)	.39		.82		.96	
ANNUAL RUNOFF (INCHES)	5.32		11.13		13.06	
10 PERCENT EXCEEDS	540		986		1200	
50 PERCENT EXCEEDS	58		185		96	
90 PERCENT EXCEEDS	8.2		15		7.4	

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 mi^2.
PERIOD OF RECORD.--March 1993 to current year.

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

DATE	TIME	GAGE HEIGHT (FEET) (00065)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)
DEC						
06...	0930	9.72	85	82	5.5	6.7
JAN						
10...	0955	10.45	83	79	5.6	6.7
MAR						
06...	0850	9.89	80	79	5.2	6.7
MAY						
15...	0845	8.36	99	97	6.4	6.5
JUL						
17...	1045	7.95	109	109	6.5	7.2

DATE	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
DEC						
06...	11.0	5.2	48	6	5	9.4
JAN						
10...	9.5	6.6	58	23	19	14
MAR						
06...	20.0	3.6	40	36	30	19
MAY						
15...	18.0	1.4	15	26	22	24
JUL						
17...	29.0	5.0	65	46	37	32

SUWANNEE RIVER BASIN

02317797 LITTLE RIVER NEAR TIFTON, GA.--Continued

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

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
DEC 06...	23	4.8	2.7	3.8	23	.3	3.5
JAN 10...	22	5.0	2.4	4.1	25	.4	3.3
MAR 06...	25	5.7	2.7	3.3	20	.3	3.3
MAY 15...	34	7.5	3.6	4.0	19	.3	3.2
JUL 17...	40	9.6	3.8	3.6	15	.2	3.0

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
DEC 06...	3.1	14	<.10	7.4	83	44	.11
JAN 10...	2.3	11	<.10	5.8	75	47	.10
MAR 06...	1.5	9.1	.10	2.5	65	48	.09
MAY 15...	.93	11	<.10	5.1	82	49	.11
JUL 17...	.45	9.7	.13	5.5	95	61	.13

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
DEC 06...	<.010	.060	.020	.58	.58
JAN 10...	.010	.290	<.015	--	--
MAR 06...	<.010	.210	.160	.84	.84
MAY 15...	<.010	<.050	.123	.67	.50
JUL 17...	<.010	<.050	.076	.86	.56

SUWANNEE RIVER BASIN

02317797 LITTLE RIVER NEAR TIFTON, GA.--Continued

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

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
DEC									
06...	.60	.60	<.010	<.010	.020	15	1.2	1400	38
JAN									
10...	.70	.50	.120	<.010	<.010	13	1.3	430	19
MAR									
06...	1.0	1.0	.060	.010	.020	16	1.2	600	100
MAY									
15...	.79	.63	.022	<.010	<.010	13	.70	630	295
JUL									
17...	.94	.63	.047	.021	.012	14	1.0	1200	991

DATE	TIME	GAGE HEIGHT (FEET) (00065)	TEMPERATURE WATER (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC					
06...	0930	9.72	11.0	19	53
JAN					
10...	0955	10.45	9.5	6	100
MAR					
06...	0850	9.89	20.0	9	96
MAY					
15...	0845	8.36	18.0	11	96
JUL					
17...	1045	7.95	29.0	1290	100

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE 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 mi^2, 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, except for the period of estimated daily discharge, which is fair.
PEAK DISCHARGES FOR CURRENT YEAR.-- Peak discharge greater than base discharge of 2,500 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 11	1800	3,360	12.53	Feb. 21	unknown	*8,410	*20.36
Jan. 17	0800	2,810	11.08	May 5	1200	2,930	11.40
Feb. 2	1700	3,100	11.86				

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	70	89	167	703	2920	e5600	914	2110	1140	1450	580	36
2	115	85	329	655	3080	e5800	818	2340	1350	1350	928	35
3	101	81	433	608	3070	e5800	741	2670	1500	1090	902	33
4	73	74	525	595	2930	e5700	664	2910	1410	794	776	33
5	53	72	577	600	2720	e5600	583	2760	1220	582	873	31
6	44	69	605	602	2470	4640	512	2250	1140	457	601	30
7	268	66	694	626	2170	3700	463	1560	1040	391	485	28
8	2180	84	833	686	1870	2720	547	1080	899	465	386	27
9	2380	106	919	1310	1620	2030	945	821	797	431	315	26
10	2590	75	872	1990	1480	1660	1440	663	677	403	274	29
11	3280	70	747	2170	1340	1430	1660	551	545	359	203	30
12	3090	69	621	2230	1260	1270	1340	477	472	303	153	29
13	2560	67	513	2320	1270	1160	899	435	445	282	154	26
14	2100	63	430	2460	1930	1380	670	427	417	238	115	24
15	1700	60	368	2580	3140	1660	540	398	368	178	104	24
16	1300	58	323	2700	3870	1920	447	352	283	137	127	23
17	974	58	297	2800	4920	2180	376	293	233	113	139	25
18	761	60	303	2710	e6000	2340	320	262	263	102	252	25
19	585	56	640	2350	e7000	2400	272	227	264	104	342	28
20	452	61	808	1860	e7700	2440	233	188	314	102	282	32
21	360	58	883	1500	e8200	2390	195	157	402	92	207	27
22	289	62	879	1310	e8200	2350	170	133	355	86	154	24
23	239	68	842	1200	e7500	2170	237	118	342	87	111	24
24	200	84	829	1130	e6600	1880	213	114	526	85	88	24
25	172	88	908	1300	e6200	1590	247	198	703	82	72	33
26	151	86	987	1690	e5500	1380	343	399	621	84	65	35
27	130	81	1010	1770	e5000	1230	525	560	556	199	59	37
28	117	88	987	1830	e5200	1070	1170	771	690	90	55	93
29	109	102	917	1940	---	954	1730	869	932	83	52	150
30	100	113	827	2290	---	948	1970	909	1400	83	44	256
31	94	---	753	2650	---	992	---	952	---	227	39	---
TOTAL	26637	2253	20826	51165	115160	78384	21184	27954	21304	10529	8937	1277
MEAN	859	75.1	672	1650	4113	2529	706	902	710	340	288	42.6
MAX	3280	113	1010	2800	8200	5800	1970	2910	1500	1450	928	256
MIN	44	56	167	595	1260	948	170	114	233	82	39	23
CFSM	.58	.05	.45	1.12	2.78	1.71	.48	.61	.48	.23	.19	.03
IN.	.67	.06	.52	1.29	2.89	1.97	.53	.70	.54	.26	.22	.03

e Estimated

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	789	455	774	1714	2519	3261	2131	729	494	896	963	347
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1929 - 1997	
ANNUAL TOTAL	240402		385610			
ANNUAL MEAN	657		1056		1144	
HIGHEST ANNUAL MEAN					3210	1991
LOWEST ANNUAL MEAN					293	1941
HIGHEST DAILY MEAN	6780	Apr 4	8200	Feb 21	61000	Apr 4 1948
LOWEST DAILY MEAN	20	Jul 1	23	Sep 16	6.8	Nov 10 1940
ANNUAL SEVEN-DAY MINIMUM	21	Jun 28	25	Sep 13	7.6	Nov 7 1940
INSTANTANEOUS PEAK FLOW			8410	Feb 21	66000	Apr 4 1948
INSTANTANEOUS PEAK STAGE			a20.36	Feb 21	a31.70	Apr 4 1948
INSTANTANEOUS LOW FLOW			22	Sep 15,16,17	5.9	b
ANNUAL RUNOFF (CFSM)	.44		.71		.77	
ANNUAL RUNOFF (INCHES)	6.04		9.69		10.50	
10 PERCENT EXCEEDS	1910		2610		3340	
50 PERCENT EXCEEDS	154		540		420	
90 PERCENT EXCEEDS	28		58		24	

a From floodmarks.
b Nov 11-13, 1940 and Nov 21, 1942.

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE 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.

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

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)
DEC						
12...	1030	625	95	93	5.5	6.8
JAN						
09...	1020	1210	90	78	6.0	6.5
MAR						
05...	1000	5690	57	58	6.6	6.9
MAY						
14...	1100	426	87	87	6.7	6.7
JUL						
16...	1335	133	101	100	6.6	7.3
SEP						
10...	1430	30	204	198	6.6	7.4

DATE	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
DEC						
12...	12.0	9.2	85	10	8	11
JAN						
09...	14.5	9.0	89	17	14	13
MAR						
05...	20.5	5.5	61	7	6	9.0
MAY						
14...	21.0	6.9	78	12	10	15
JUL						
16...	29.0	6.7	88	18	14	19
SEP						
10...	26.0	6.8	84	25	20	28

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

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

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
DEC							
12...	23	5.2	2.4	7.4	38	.7	3.1
JAN							
09...	21	5.0	2.1	7.0	39	.7	2.4
MAR							
05...	15	3.3	1.7	3.7	30	.4	2.5
MAY							
14...	24	5.6	2.4	5.8	32	.5	2.4
JUL							
16...	26	6.0	2.7	7.3	36	.6	2.3
SEP							
10...	47	11	4.5	17	42	1	3.8

DATE	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
DEC								
12...	8.3	12	.10	7.6	89	52	150	.12
JAN								
09...	5.1	10	<.10	9.0	93	51	304	.13
MAR								
05...	3.0	7.6	<.10	3.8	64	31	983	.09
MAY								
14...	4.7	10	.11	6.8	76	47	87.4	.10
JUL								
16...	5.3	11	.15	6.1	85	53	30.5	.12
SEP								
10...	18	21	.32	7.2	113	108	9.15	.15

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)
DEC					
12...	.020	.140	.020	.68	.58
JAN					
09...	.020	.200	.050	.75	.55
MAR					
05...	<.010	.140	.020	.88	.78
MAY					
14...	<.010	.416	.033	.57	.46
JUL					
16...	<.010	.568	<.015	--	--
SEP					
10...	.011	2.37	.018	--	.37

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

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

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
DEC									
12...	.70	.60	.080	.040	.030	23	.60	680	18
JAN									
09...	.80	.60	.150	.080	.080	16	3.4	1100	20
MAR									
05...	.90	.80	.070	.020	.020	26	.40	590	22
MAY									
14...	.60	.50	.125	.083	.083	12	.60	910	18
JUL									
16...	.55	.57	.185	.125	.113	12	.20	760	23
SEP									
10...	<.20	.39	.442	.344	.344	5.3	.30	250	18

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC						
12...	1030	625	12.0	26	44	86
JAN						
09...	1020	1210	14.5	31	101	90
MAR						
05...	1000	5690	20.5	19	292	96
MAY						
14...	1100	426	21.0	16	18	99
JUL						
16...	1335	133	29.0	9	3.2	97
SEP						
10...	1430	30	26.0	4	.32	98

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 mi^2, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 10	1500	3,280	13.02	Feb. 28	1300	1,510	11.68
Feb. 17	1300	*3,820	13.32	June 29	0900	1,210	11.21

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	.25	23	29	143	748	1340	200	643	207	865	59	3.3
2	.64	21	50	125	655	1030	191	767	179	815	174	3.0
3	.79	19	75	115	561	800	158	727	249	639	208	2.4
4	3.5	18	112	109	503	638	119	545	326	507	170	1.9
5	5.1	17	166	104	433	478	96	393	369	348	114	1.4
6	4.3	16	198	98	346	373	80	289	311	224	91	.87
7	12	15	201	97	282	297	70	189	201	171	78	.65
8	191	15	176	117	248	246	68	132	174	164	65	.53
9	1360	20	144	319	227	209	84	101	157	125	53	.43
10	3130	27	116	435	217	181	114	80	120	92	42	.41
11	2600	27	99	482	209	157	187	64	90	72	33	.41
12	1670	23	86	578	196	143	221	54	73	56	28	.35
13	1000	20	75	661	200	136	e144	57	163	43	24	.24
14	593	22	67	655	542	249	94	59	351	34	20	.13
15	358	23	62	521	1410	362	70	54	209	27	17	.05
16	231	20	56	444	2720	476	58	47	107	21	18	.01
17	e180	18	53	373	3660	521	51	44	74	17	26	.00
18	e130	16	56	305	3080	476	46	38	82	15	29	.00
19	e100	14	97	278	2080	432	40	32	98	13	25	.00
20	85	13	129	258	1450	355	35	27	95	12	27	.00
21	73	13	167	233	1010	268	31	23	104	11	37	.00
22	63	13	222	202	777	277	28	20	87	11	36	.00
23	55	14	261	174	622	324	35	18	81	11	26	.00
24	48	18	265	153	566	325	39	16	72	10	18	.00
25	43	26	247	203	1010	265	40	25	105	8.8	14	.00
26	39	32	219	300	1360	202	53	51	109	7.6	11	.00
27	35	34	195	362	1300	163	137	59	183	6.9	8.9	.00
28	32	33	188	545	1480	135	426	140	559	13	7.3	3.2
29	29	30	191	672	---	116	535	187	1010	30	6.2	6.8
30	26	27	188	783	---	112	600	279	702	30	5.4	2.7
31	25	---	167	811	---	171	---	281	---	19	4.2	---
TOTAL12122.58	627	4357	10655	27892	11257	4050	5441	6647	4418.3	1475.0	28.78	
MEAN	391	20.9	141	344	996	363	135	176	222	143	47.6	.96
MAX	3130	34	265	811	3660	1340	600	767	1010	865	208	6.8
MIN	.25	13	29	97	196	112	28	16	72	6.9	4.2	.00
CFSM	1.45	.08	.52	1.28	3.70	1.35	.50	.65	.82	.53	.18	.00
IN.	1.68	.09	.60	1.47	3.86	1.56	.56	.75	.92	.61	.20	.00

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 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	104	45.4	168	479	752	759	395	82.2	87.4	117	157	40.1
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	20.0	.39	.11	.000	.092	.000
(WY)	1982	1991	1991	1989	1989	1985	1985	1986	1993	1990	1990	1990

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1980 - 1997	
ANNUAL TOTAL	72048.59		88970.66			
ANNUAL MEAN	197		244		264	
HIGHEST ANNUAL MEAN					664	1991
LOWEST ANNUAL MEAN					36.4	1981
HIGHEST DAILY MEAN	3360	Mar 31	3660	Feb 17	14600	Feb 12 1986
LOWEST DAILY MEAN	.00	a	.00	Sep 17-27	.00	b
ANNUAL SEVEN-DAY MINIMUM	.00	c	.00	Sep 17-21	.00	d
INSTANTANEOUS PEAK FLOW			3820	Feb 17	18500	Feb 12 1986
INSTANTANEOUS PEAK STAGE			13.32	Feb 17	f18.75	Feb 12 1986
ANNUAL RUNOFF (CFSM)	.73		.91		.98	
ANNUAL RUNOFF (INCHES)	9.96		12.30		13.32	
10 PERCENT EXCEEDS	468		628		736	
50 PERCENT EXCEEDS	34		97		35	
90 PERCENT EXCEEDS	.01		5.3		.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 WITHLACOOCHEE 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 mi^2, 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 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
29...	1320	81341	335	166	166	7.2	7.5	21.0	33.5	6.0	68
NOV											
19...	1255	81341	365	191	188	7.3	7.3	17.5	18.5	7.5	79
DEC											
17...	1235	81341	510	125	120	7.0	6.8	14.0	16.5	8.6	84
JAN											
21...	1220	81341	2380	79	76	6.7	6.4	7.0	19.5	12.2	100
FEB											
18...	1420	81341	7410	45	43	6.0	5.9	12.0	24.0	10.0	92
MAR											
18...	1230	81341	3200	73	68	7.7	6.7	17.0	26.5	8.0	82
APR											
22...	1200	81341	370	160	153	7.3	7.3	20.5	25.0	6.5	73
MAY											
20...	1100	81341	370	145	135	7.1	7.3	23.0	28.5	6.2	72
JUN											
03...	1155	81341	1920	80	77	6.7	6.9	23.0	27.0	7.2	85
JUL											
22...	1150	81341	190	175	166	7.3	7.3	26.0	33.0	5.6	69
AUG											
19...	1150	81341	415	128	126	7.2	7.3	27.0	32.5	5.7	72
SEP											
16...	1100	81341	110	238	236	7.8	7.7	25.0	31.0	6.7	81

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
29...	81341	65	3.0	1.2	57	1	.340	<.030	.110	10
NOV										
19...	81341	20	2.0	<1.0	69	<1	.330	<.030	.100	6.0
DEC										
17...	81341	110	7.0	1.8	29	12	.220	.060	.110	14
JAN										
21...	81341	120	9.0	1.3	11	3	.290	<.030	.070	17
FEB										
18...	81341	180	33	1.7	5	12	.100	<.030	.090	18
MAR										
18...	81341	160	11	1.7	18	6	.470	.060	.120	21
APR										
22...	81341	90	4.0	1.0	55	2	.480	.040	.120	9.0
MAY										
20...	81341	100	4.0	<1.0	49	2	.390	<.030	.100	10
JUN										
03...	81341	240	15	1.3	13	12	.260	.120	.130	16
JUL										
22...	81341	60	3.0	<1.0	62	<1	.310	<.030	.110	10
AUG										
19...	81341	80	4.0	<1.0	42	1	.430	<.030	.120	9.0
SEP										
16...	81341	10	1.0	<1.0	96	<1	.190	<.030	.070	2.0

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DISCHARGE, INST. CUBIC FEET PER SECOND	COLIFORM, FECAL, EC BROTH (MPN)
(00028)	(00061)	(31615)		
OCT				
29...	1320	81341	335	<20
NOV				
19...	1255	81341	365	40
DEC				
17...	1235	81341	510	80
JAN				
21...	1220	81341	2380	220
FEB				
18...	1420	81341	7410	3300
MAR				
18...	1230	81341	3200	80
APR				
22...	1200	81341	370	20
MAY				
20...	1100	81341	370	20
JUN				
03...	1155	81341	1920	110
JUL				
22...	1150	81341	190	<20
AUG				
04...	1455	81213	1630	130
11...	1110	81213	450	130
19...	1150	81341	415	20
SEP				
16...	1100	81341	110	20

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 mi^2, 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
30...	0830	81341	292	148	144	6.8	6.8	20.5	20.0	7.2	80
NOV											
20...	0830	81341	207	158	134	6.8	6.8	15.5	15.0	8.2	83
DEC											
18...	0850	81341	481	129	124	6.8	7.0	12.5	6.5	9.3	88
JAN											
22...	0835	81341	1150	84	81	6.7	6.5	7.5	7.0	11.2	93
FEB											
19...	0910	81341	7070	42	40	6.0	6.0	12.5	13.5	8.9	83
MAR											
19...	0855	81341	1110	81	76	6.7	6.7	17.5	21.0	7.6	80
APR											
23...	0720	81341	330	149	92	6.7	6.6	21.0	17.5	6.8	78
MAY											
21...	0640	81341	288	129	121	6.8	7.2	23.5	23.5	6.2	73
JUN											
04...	0715	81341	1220	71	66	6.7	6.7	22.5	21.0	6.7	78
JUL											
23...	0740	81341	387	179	170	6.9	6.9	26.5	27.5	6.1	76
AUG											
20...	0740	81341	176	151	148	6.8	6.9	27.5	26.0	5.5	70
SEP											
17...	0730	81341	100	204	196	7.0	7.0	25.5	22.0	5.7	70

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
30...	81341	25	6.0	<1.0	24	3	.470	.030	.140	8.0
NOV										
20...	81341	25	5.0	<1.0	25	2	.940	<.030	.190	7.0
DEC										
18...	81341	80	7.0	1.1	20	5	.670	.040	.160	9.0
JAN										
22...	81341	110	10	1.0	12	4	.380	.060	.090	10
FEB										
19...	81341	150	33	1.6	2	10	.100	.040	.080	14
MAR										
19...	81341	120	10	1.3	14	6	.500	.080	.140	14
APR										
23...	81341	110	13	1.4	23	16	.790	.080	.210	8.0
MAY										
21...	81341	90	10	<1.0	23	5	.590	.090	.150	7.0
JUN										
04...	81341	140	36	<1.0	10	5	.270	.030	.180	12
JUL										
23...	81341	90	16	1.2	22	16	.890	.050	.230	9.0
AUG										
20...	81341	75	12	<1.0	29	11	.900	.040	.220	8.0
SEP										
17...	81341	70	10	1.1	35	10	.940	.060	.240	8.0

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
30...	0830	81341	292	<20
NOV				
20...	0830	81341	207	90
DEC				
18...	0850	81341	481	130
JAN				
22...	0835	81341	1150	65
FEB				
19...	0910	81341	7070	1300
MAR				
19...	0855	81341	1110	70
APR				
23...	0720	81341	330	130
MAY				
21...	0640	81341	288	20
JUN				
04...	0715	81341	1220	70
JUL				
23...	0740	81341	387	790
AUG				
05...	0750	81213	794	260
12...	0745	81213	358	110
20...	0740	81341	176	20
SEP				
17...	0730	81341	100	790

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 mi^2.
PERIOD OF RECORD.--November 1991 to current year, discharge less than 125 ft^3/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 good to 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, 8.00 ft, Sept. 28; minimum daily, 3.9 ft^3/s, Sept. 15, 18, 21; and minimum, 3.7 ft^3/s, Sept. 15, 18, 21.

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	14	6.3	20	8.6	16	21	8.3	16	16	35	71	7.5
2	19	6.6	22	9.7	14	19	8.2	12	14	21	31	6.6
3	12	7.0	13	10	13	18	7.8	14	13	15	22	6.1
4	9.6	6.4	11	9.8	13	16	7.4	15	10	13	20	6.2
5	7.8	6.5	10	12	12	16	7.1	11	9.0	11	13	5.3
6	7.5	6.5	9.1	15	11	15	7.6	9.9	8.6	12	11	5.7
7	—	6.2	15	13	10	14	12	8.7	8.1	27	11	5.9
8	—	13	12	14	16	13	8.5	8.0	7.9	26	—	5.7
9	32	10	10	30	14	12	7.6	7.1	7.4	35	51	5.4
10	18	7.4	10	19	12	12	6.9	7.7	6.7	18	32	5.3
11	13	6.8	8.9	13	12	12	6.4	7.5	6.9	12	51	5.9
12	10	6.3	10	11	10	11	17	7.5	8.5	10	22	5.1
13	9.2	6.3	10	10	19	10	15	7.1	11	9.7	18	4.7
14	10	6.5	8.4	9.1	—	13	9.6	6.3	9.6	9.0	14	4.3
15	12	6.2	7.8	8.9	73	11	7.8	6.0	34	8.3	14	3.9
16	12	5.8	8.6	16	34	11	7.9	7.0	21	7.9	14	4.2
17	10	6.0	13	11	26	11	7.6	6.2	17	7.1	12	4.1
18	9.5	6.1	21	9.1	21	11	7.7	6.6	33	8.0	9.9	3.9
19	8.4	5.8	42	8.7	18	12	7.2	6.5	26	9.4	9.6	4.2
20	8.0	6.1	19	8.7	16	15	6.3	6.2	21	9.8	8.7	4.0
21	7.9	12	12	8.7	15	24	6.4	6.2	39	14	8.7	3.9
22	7.5	14	10	8.8	—	23	6.2	6.3	23	31	8.3	4.3
23	7.8	11	10	9.3	35	16	37	9.9	17	25	7.6	5.2
24	7.8	9.9	12	12	30	15	14	16	14	18	6.5	4.4
25	7.1	9.7	19	73	56	13	9.2	63	16	12	6.8	4.8
26	6.8	11	14	33	47	12	17	40	28	12	6.2	33
27	6.7	9.5	14	22	32	11	44	17	24	11	8.1	—
28	6.8	8.1	12	19	25	13	91	17	20	12	11	—
29	6.6	8.7	10	16	—	19	34	16	39	9.1	10	49
30	6.5	8.4	9.3	28	—	13	21	11	28	9.0	8.8	22
31	6.6	—	9.0	19	—	11	—	12	—	18	7.9	—
TOTAL	—	240.1	412.1	495.4	—	443	453.7	390.7	536.7	475.3	—	—
MEAN	—	8.00	13.3	16.0	—	14.3	15.1	12.6	17.9	15.3	—	—
MAX	—	14	42	73	—	24	91	63	39	35	—	—
MIN	—	5.8	7.8	8.6	—	10	6.2	6.0	6.7	7.1	—	—
CFSM	—	.47	.79	.95	—	.85	.89	.75	1.06	.91	—	—
IN.	—	.53	.91	1.09	—	.98	1.00	.86	1.18	1.05	—	—

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 mi^2.
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 ft^3/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 48.2 mi^2.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0945	*3,460	*5.68	No other peak greater than base discharge.			

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	132	64	1810	141	188	492	181	199	290	130	88	50
2	120	79	500	136	178	356	174	203	194	107	81	49
3	114	63	302	131	174	307	171	761	171	101	76	47
4	104	62	240	128	177	269	168	365	162	98	73	47
5	96	62	213	169	200	265	165	287	154	97	70	44
6	92	62	194	145	179	263	310	256	145	93	67	44
7	91	79	187	137	172	240	236	237	140	91	68	42
8	88	192	168	138	191	229	205	225	137	90	67	42
9	83	109	156	279	175	219	192	216	135	101	74	48
10	79	91	149	209	173	213	182	205	131	93	85	86
11	77	84	143	176	164	205	177	199	133	88	72	61
12	75	77	181	159	160	198	502	194	153	87	67	50
13	73	75	176	149	190	244	307	187	140	85	71	48
14	69	74	157	141	203	430	249	181	255	83	67	46
15	68	71	146	144	246	297	229	177	186	79	63	45
16	67	69	139	206	210	254	216	170	162	78	62	45
17	67	69	166	164	192	237	206	166	157	76	60	45
18	78	95	146	161	180	229	199	163	145	75	59	44
19	68	95	137	152	175	229	198	162	135	73	58	43
20	65	85	129	141	169	216	191	160	128	71	62	41
21	64	90	126	136	249	207	186	153	126	71	60	42
22	64	85	124	144	250	200	211	147	121	75	55	42
23	66	80	123	146	208	192	197	143	117	214	54	42
24	63	77	139	252	193	185	192	142	116	112	53	125
25	62	128	126	358	185	183	188	173	114	88	52	189
26	68	195	122	236	185	208	186	158	111	81	51	73
27	86	126	135	203	239	184	214	143	121	77	51	59
28	69	110	131	283	622	193	281	142	114	87	50	108
29	66	101	184	233	---	251	246	168	110	84	50	84
30	64	252	165	212	---	201	216	179	114	170	48	62
31	61	---	152	199	---	191	---	193	---	109	48	---
TOTAL	2439	2901	6966	5608	5827	7587	6575	6454	4417	2964	1962	1793
MEAN	78.7	96.7	225	181	208	245	219	208	147	95.6	63.3	59.8
MAX	132	252	1810	358	622	492	502	761	290	214	88	189
MIN	61	62	122	128	160	183	165	142	110	71	48	41
CFSM	1.76	2.16	5.03	4.05	4.66	5.48	4.90	4.66	3.29	2.14	1.42	1.34
IN.	2.03	2.41	5.80	4.67	4.85	6.31	5.47	5.37	3.68	2.47	1.63	1.49

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	88.5	108	150	169	197	216	195	148	115	94.4	88.6	75.3
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1981 - 1997	
ANNUAL TOTAL	56785		55493			
ANNUAL MEAN	155		152		137	
HIGHEST ANNUAL MEAN					186	1993
LOWEST ANNUAL MEAN					66.4	1988
HIGHEST DAILY MEAN	1810	Dec 1	1810	Dec 1	2000	Mar 17 1990
LOWEST DAILY MEAN	52	Aug 10,21	41	Sep 20	20	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	55	Aug 16	43	Sep 17	22	Oct 2 1986
INSTANTANEOUS PEAK FLOW			3460	Dec 1	3850	Mar 17 1990
INSTANTANEOUS PEAK STAGE			5.68	Dec 1	5.94	Mar 17 1990
INSTANTANEOUS LOW FLOW			38	Sep 8,9,20	19	Oct 6 1986
ANNUAL RUNOFF (CFSM)	3.47		3.40		3.07	
ANNUAL RUNOFF (INCHES)	47.26		46.18		41.66	
10 PERCENT EXCEEDS	251		240		251	
50 PERCENT EXCEEDS	128		141		106	
90 PERCENT EXCEEDS	62		61		44	

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 mi^2.

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. Some regulation at low flow from Habersham Mill powerplant.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft^3/s and maximum (*)

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	1345	*14,700	*12.31	Feb. 28	1815	6,970	7.05

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	675	360	9520	604	893	3130	941	1110	1680	828	596	299
2	612	443	3050	587	843	1800	899	1010	1100	641	519	307
3	576	386	1550	574	813	1550	882	3450	928	586	481	285
4	558	364	1230	559	821	1340	864	1830	893	563	455	279
5	497	363	1060	670	879	1230	850	1390	838	566	433	266
6	474	365	955	618	806	1290	1240	1220	793	538	417	259
7	471	383	889	582	771	1150	1150	1130	758	530	424	259
8	468	1270	799	581	913	1100	978	1080	752	530	418	256
9	439	673	724	1860	827	1060	921	1050	739	563	427	258
10	418	510	673	1260	804	1040	875	992	718	677	492	441
11	409	460	647	947	773	1000	859	954	708	542	456	417
12	401	433	688	788	739	956	1940	934	837	529	419	334
13	395	419	882	720	1020	996	1510	906	817	509	414	306
14	390	413	704	679	1210	2550	1190	874	1050	501	432	290
15	383	402	652	660	1630	1550	1080	872	1030	483	396	285
16	383	391	619	1110	1180	1270	1010	826	824	477	387	278
17	383	389	729	820	1010	1170	974	811	829	481	370	273
18	406	417	658	733	924	1120	930	799	794	467	359	270
19	400	521	624	694	875	1120	920	784	734	457	347	265
20	375	438	584	661	836	1090	923	790	691	448	357	256
21	372	432	573	643	975	1030	879	754	678	439	364	250
22	369	462	566	646	1200	993	1010	725	718	450	333	251
23	376	420	567	695	966	949	973	713	655	1060	325	254
24	367	409	598	1500	889	919	884	710	638	1150	320	477
25	363	431	595	3120	850	901	834	888	618	631	317	1110
26	364	860	559	1450	841	1020	818	890	603	538	314	557
27	449	572	609	1130	970	927	1000	770	646	504	307	395
28	408	501	593	1380	4150	935	2110	794	679	496	304	707
29	383	468	717	1180	---	1520	1950	874	613	606	297	610
30	372	700	701	1040	---	1150	1280	1110	617	706	289	418
31	360	---	645	956	---	1010	---	1010	---	1090	300	---
TOTAL	13296	14655	33960	29447	29408	38866	32674	32050	23978	18586	12069	10912
MEAN	429	489	1095	950	1050	1254	1089	1034	799	600	389	364
MAX	675	1270	9520	3120	4150	3130	2110	3450	1680	1150	596	1110
MIN	360	360	559	559	739	901	818	710	603	439	289	250
CFSM	1.36	1.55	3.48	3.02	3.33	3.98	3.46	3.28	2.54	1.90	1.24	1.15
IN.	1.57	1.73	4.01	3.48	3.47	4.59	3.86	3.78	2.83	2.19	1.43	1.29

e Estimated

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	551	623	809	983	1100	1268	1161	950	754	623	618	503
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1957 - 1997	
ANNUAL TOTAL	337247		289901			
ANNUAL MEAN	921		794		828	
HIGHEST ANNUAL MEAN					1198	1973
LOWEST ANNUAL MEAN					370	1986
HIGHEST DAILY MEAN	13400	Jan 27	9520	Dec 1	15800	Aug 23 1967
LOWEST DAILY MEAN	347	Sep 15	250	Sep 21	91	Sep 7 1957
ANNUAL SEVEN-DAY MINIMUM	369	Oct 20	260	Sep 17	124	Jul 16 1986
INSTANTANEOUS PEAK FLOW			14700	Dec 1	a26400	Mar 12 1963
INSTANTANEOUS PEAK STAGE			12.31	Dec 1	20.55	Mar 12 1963
ANNUAL RUNOFF (CFSM)	2.93		2.52		2.63	
ANNUAL RUNOFF (INCHES)	39.83		34.24		35.70	
10 PERCENT EXCEEDS	1410		1190		1370	
50 PERCENT EXCEEDS	712		691		670	
90 PERCENT EXCEEDS	402		362		328	

a From rating curve extended above 17,000 ft^3/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.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
16...	0942	380	--	5	5.1
16...	0947	380	--	4	4.1
NOV					
25...	1055	407	9.0	9	9.9
25...	1100	407	9.0	12	13
JAN					
08...	1141	557	7.5	3	4.5
08...	1146	557	7.5	3	4.5
FEB					
27...	1213	859	9.0	189	438
27...	1218	859	9.0	191	443
APR					
01...	1311	944	7.0	8	20
01...	1316	944	7.0	10	25
MAY					
06...	1522	1220	14.5	20	66
06...	1527	1220	14.5	20	66
JUN					
24...	1141	646	23.0	19	33
24...	1146	646	23.0	19	33
AUG					
13...	1011	391	24.0	14	15
13...	1016	391	24.0	12	13

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 mi^2.

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 good, 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 (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Dec. 1	1045	*823	*9.61	June 14	2130	707	9.12

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	12	320	17	e26	e55	27	33	38	58	16	e13
2	15	16	56	16	e25	e50	27	30	30	29	16	e13
3	17	13	33	16	e24	e47	27	145	25	25	15	e13
4	17	13	26	16	e22	e40	27	48	24	23	15	e12
5	14	12	24	21	e29	e40	27	38	23	22	14	e10
6	14	12	22	18	e28	e38	34	34	22	21	14	e10
7	14	13	22	18	e27	e35	28	31	24	20	14	e11
8	14	76	20	e17	e26	e31	27	30	22	20	14	e11
9	13	22	19	e72	e25	e31	26	30	22	22	16	e13
10	13	18	19	e25	e24	e30	25	28	21	20	18	e24
11	12	17	18	e23	e23	e29	25	27	21	19	15	e13
12	12	15	23	e22	e22	e28	38	26	22	19	14	e13
13	12	15	23	e20	e22	e37	29	25	22	18	17	e12
14	12	15	19	e19	e30	e48	27	24	125	18	16	e12
15	12	14	19	e18	e75	e33	26	24	65	18	14	e12
16	11	14	18	e40	e39	e30	25	23	30	17	14	e12
17	11	14	21	e21	e32	e30	25	23	28	17	13	e12
18	13	16	19	e21	e28	e31	23	23	27	18	13	e11
19	12	17	18	e20	e27	e33	23	22	24	18	12	10
20	12	14	18	e20	e26	e32	24	23	23	17	13	9.9
21	12	14	18	e19	e33	e29	23	22	22	17	13	9.8
22	11	14	18	e18	e29	e29	24	21	21	16	12	9.6
23	11	13	17	e18	e24	e27	26	21	20	102	11	10
24	11	13	17	e55	e23	e30	e21	21	19	32	11	13
25	11	17	17	e85	e23	e30	e21	27	19	21	11	32
26	11	23	17	e29	e23	30	e23	24	19	19	11	16
27	13	16	17	e22	e60	28	e50	23	25	18	e11	15
28	12	15	17	e50	e100	30	e100	22	21	17	e12	55
29	12	15	17	e35	---	33	e62	24	19	17	e11	21
30	12	19	17	e31	---	30	e39	27	54	17	e11	16
31	12	---	17	e28	---	28	---	29	---	21	e11	---
TOTAL	394	517	946	850	895	1052	929	948	877	736	418	444.3
MEAN	12.7	17.2	30.5	27.4	32.0	33.9	31.0	30.6	29.2	23.7	13.5	14.8
MAX	17	76	320	85	100	55	100	145	125	102	18	55
MIN	11	12	17	16	22	27	21	21	19	16	11	9.6
CFSM	.69	.94	1.67	1.50	1.75	1.85	1.69	1.67	1.60	1.30	.74	.81
IN.	.80	1.05	1.92	1.73	1.82	2.14	1.89	1.93	1.78	1.50	.85	.90

e Estimated

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.7	30.7	28.1	52.7	51.9	63.1	38.7	28.3	31.4	20.3	23.0	14.7
MAX	55.5	65.3	35.6	107	76.8	110	50.9	36.1	39.2	23.7	46.5	18.4
(WY)	1996	1996	1996	1996	1995	1996	1996	1993	1994	1997	1994	1994
MIN	11.5	17.2	18.6	27.4	32.0	33.9	30.5	21.4	23.5	15.6	13.4	11.2
(WY)	1994	1997	1994	1997	1997	1997	1995	1994	1993	1993	1993	1993

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1993 - 1997	
ANNUAL TOTAL	15173		9006.3			
ANNUAL MEAN	41.5		24.7		34.0	
HIGHEST ANNUAL MEAN					49.4	1996
LOWEST ANNUAL MEAN					24.7	1997
HIGHEST DAILY MEAN	1310	Mar 6	320	Dec 1	1310	Mar 6 1996
LOWEST DAILY MEAN	10	Sep 26	9.6	Sep 22	8.4	Oct 14 1993
ANNUAL SEVEN-DAY MINIMUM	11	Oct 20	10	Sep 17	8.8	Oct 10 1993
INSTANTANEOUS PEAK FLOW			823	Dec 1	a3500	Mar 6 1996
INSTANTANEOUS PEAK STAGE			9.61	Dec 1	b14.4	Mar 6 1996
INSTANTANEOUS LOW FLOW			9.3	Sep 19,20,21,22	7.8	Oct 13 1993
ANNUAL RUNOFF (CFSM)	2.27		1.35		1.86	
ANNUAL RUNOFF (INCHES)	30.84		18.31		25.28	
10 PERCENT EXCEEDS	55		35		50	
50 PERCENT EXCEEDS	23		21		23	
90 PERCENT EXCEEDS	13		12		13	

a From rating curve extended above 750 ft^3/s on basis of peak flow through culvert measurement
b 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.

REMARKS.--For further information regarding sampling methodologies and sampler types used to collect data according to the protocols of the USGS NAWQA program, please contact the Georgia District Office, U.S. Geological Survey.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT								
23...	0900	11	60.0	6.20	13.5	13.0	9.00	89.0
NOV								
20...	0945	14	59.0	6.60	9.5	--	11.0	99.0
JAN								
08...	1000	17	55.8	7.15	7.0	7.0	11.0	93.1
FEB								
11...	1100	22	56.0	6.58	5.5	11.0	12.1	97.0
MAR								
07...	1150	35	58.2	6.27	10.0	18.5	11.2	101
APR								
24...	1000	23	55	6.7	10.5	13.0	10.3	96
MAY								
21...	1045	21	58.0	6.70	17.0	22.0	9.00	95.0
JUN								
24...	1045	20	57.0	7.20	21.0	32.0	8.50	96.0
JUL								
21...	0930	17	59.0	6.90	24.5	27.0	7.50	91.0
AUG								
27...	0900	11	55.0	6.60	19.0	24.0	8.50	92.0
SEP								
18...	0900	11	57.0	6.60	20.0	23.0	8.80	97.0

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

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

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT								
23...	0900	.020	1.30	<.015	--	--	<.20	<.20
NOV								
08...	0159	.020	.940	.050	1.5	.25	1.6	.30
08...	0259	.030	.890	.100	2.4	.30	2.5	.40
08...	0359	.040	1.20	.110	3.3	.39	3.4	.50
08...	0559	.100	1.90	1.20	7.2	1.2	8.4	2.4
08...	0825	.060	1.60	.940	2.5	.76	3.4	1.7
20...	0945	.020	1.40	<.015	--	--	<.20	<.20
JAN								
08...	1000	<.010	1.60	.020	--	--	<.20	<.20
FEB								
11...	1100	.030	2.00	.020	--	--	<.20	<.20
MAR								
07...	1150	<.010	2.30	.050	.15	.15	.20	.20
APR								
24...	1000	<.01	1.8	.04	--	--	<.2	<.2
27...	1943	.02	1.3	.09	1.8	.25	1.9	.3
27...	2043	.02	1.2	.19	2.1	.39	2.3	.6
27...	2343	.04	1.4	.46	5.2	.58	5.6	1.0
28...	0143	.03	1.2	.28	2.6	.44	2.9	.7
28...	1615	.01	1.2	.03	1.3	.22	1.3	.3
28...	1715	.01	.95	.17	3.9	.33	4.0	.5
28...	1815	.02	1.1	.11	4.1	.43	4.2	.5
28...	2015	.02	.95	.20	4.2	.42	4.4	.6
29...	0015	.01	1.0	.11	1.9	.35	2.0	.5
MAY								
21...	1045	.02	.56	.19	.15	.11	.3	.3
JUN								
24...	1045	.01	1.7	.03	--	--	<.2	<.2
JUL								
21...	0930	.01	1.8	.03	--	--	<.2	<.2
23...	1115	<.01	1.1	.02	.66	--	.7	<.2
23...	1315	.03	1.2	.12	2.4	.31	2.5	.4
23...	1715	.10	1.6	4.0	1.8	.94	5.8	5.0
23...	2215	.04	1.2	.46	1.1	.53	1.6	1
AUG								
27...	0900	.01	1.6	<.02	--	--	<.2	<.2
SEP								
18...	0900	<.01	1.5	.02	--	--	<.2	<.2

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
OCT								
23...	0900	11	2.5	.020	<.010	.010	1.9	.40
NOV								
08...	0159	112	430	.640	.030	.020	4.3	>21
08...	0259	178	290	.940	.040	.020	5.6	>21
08...	0359	214	360	1.50	.070	.060	6.8	>21
08...	0559	162	300	2.10	.450	.400	12	>21
08...	0825	106	210	1.10	.230	.190	8.6	17
20...	0945	14	5.1	.030	.030	.020	1.6	.30
JAN								
08...	1000	17	3.2	.020	<.010	<.010	1.0	.40
FEB								
11...	1100	22	3.1	.020	<.010	<.010	.90	.30
MAR								
07...	1150	35	12	.060	.040	.030	1.2	.60
APR								
24...	1000	23	3.3	.05	.03	.02	1.7	.3
27...	1943	E127	120	.57	.05	.03	3.6	8.1
27...	2043	E137	180	.81	.11	.06	4.4	18
27...	2343	E99	240	1.7	.20	.21	6.2	>25
28...	0143	E70	250	1.1	.10	.09	5.3	16
28...	1615	E84	180	.42	.03	.02	3.3	12
28...	1715	E207	480	1.5	.03	.04	4.7	>20
28...	1815	E285	310	1.6	.09	.08	5.5	>20
28...	2015	E220	450	1.8	.11	.11	6.3	>20
29...	0015	E116	160	.73	.07	.08	5.2	10
MAY								
21...	1045	21	4.0	.04	<.01	.01	2.3	.5
JUN								
24...	1045	20	6.5	<.01	<.01	.02	1.3	.8
JUL								
21...	0930	17	5.0	.04	.01	.02	1.4	.3
23...	1115	32	290	.17	<.01	.01	3.2	18
23...	1315	207	360	.85	.06	.06	6.3	>25
23...	1715	268	300	.87	.51	.50	10	25
23...	2215	79	160	.39	.15	.13	6.8	6.6
AUG								
27...	0900	11	2.6	.02	<.01	.02	1.2	.2
SEP								
18...	0900	11	3.9	.03	.01	.02	1.3	.2

APALACHICOLA RIVER BASIN

02332830 WEST FORK LITTLE RIVER NEAR CLERMONT, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
23...	0901	11	14	.42	--
NOV					
08...	0200	112	1379	417	89
08...	0300	178	1154	555	89
08...	0400	214	1182	683	87
08...	0600	162	805	352	94
08...	0826	106	427	122	93
20...	0946	14	15	.57	--
JAN					
08...	1001	17	6	.28	--
FEB					
11...	1101	22	17	1.0	--
MAR					
07...	1151	35	30	2.8	--
APR					
24...	1001	23	9	.56	--
27...	1944	E127	420	--	80
27...	2044	E137	616	--	83
27...	2344	E99	698	--	91
28...	0144	E70	556	--	96
28...	1616	E84	759	--	92
28...	1716	E207	1664	--	90
28...	1816	E285	1083	--	80
28...	2016	E220	1204	--	93
29...	0016	E116	396	--	91
MAY					
21...	1046	21	21	1.2	--
JUN					
24...	1046	20	22	1.2	--
JUL					
23...	1116	32	980	85	91
23...	1316	207	1384	774	85
23...	1716	268	918	664	90
23...	2216	79	372	79	96
AUG					
27...	0901	11	6	.18	--
SEP					
18...	0901	11	10	.30	--

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 mi^2, 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
24...	1100	81341	13	15	16	6.7	6.5	10.5	16.0	9.8	93
NOV											
12...	1425	81341	18	13	13	6.7	7.1	6.5	12.0	11.0	93
DEC											
18...	1410	81341	36	12	12	6.7	6.5	7.0	7.5	10.9	95
JAN											
22...	0945	81341	30	12	13	6.8	6.3	6.5	6.0	11.0	94
FEB											
17...	0910	81341	47	12	12	6.7	6.5	5.5	3.0	11.5	95
MAR											
13...	1450	81341	41	13	13	6.8	6.5	11.5	13.0	9.8	95
APR											
10...	0930	81341	46	12	13	6.8	6.5	8.0	9.5	10.7	95
MAY											
15...	1740	81341	31	13	13	6.7	6.9	13.5	18.0	9.3	96
JUN											
12...	0910	81341	25	14	15	6.8	6.9	14.5	20.5	9.0	94
JUL											
17...	0730	81341	12	15	15	6.9	6.5	18.0	20.5	8.4	94
AUG											
14...	0630	81341	9.9	16	16	6.7	6.6	18.0	20.0	8.5	95
SEP											
11...	1000	81341	8.4	16	15	6.7	6.7	19.0	16.0	8.7	100

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
24...	81341	1.0	<1.0	7	<1	<.020	<.030	<.020	1.0
NOV									
12...	81341	1.0	<1.0	8	<1	<.020	<.030	<.020	<1.0
DEC									
18...	81341	1.0	1.1	6	4	<.020	<.030	<.020	<1.0
JAN									
22...	81341	<1.0	<1.0	<1	1	.020	<.030	<.020	1.0
FEB									
17...	81341	<1.0	<1.0	5	<1	.020	<.030	<.020	<1.0
MAR									
13...	81341	1.0	<1.0	6	2	.020	<.030	<.020	<1.0
APR									
10...	81341	1.0	<1.0	2	1	.040	<.030	<.020	<1.0
MAY									
15...	81341	1.0	<1.0	6	2	<.020	<.030	<.020	<1.0
JUN									
12...	81341	1.0	<1.0	9	3	.030	<.030	<.020	4.0
JUL									
17...	81341	1.0	<1.0	6	2	.040	<.030	<.020	1.0
AUG									
14...	81341	1.0	<1.0	6	3	.030	<.030	<.020	<1.0
SEP									
11...	81341	1.0	<1.0	5	4	.030	<.030	<.020	2.0

APALACHICOLA RIVER BASIN

02333105 DICKS CREEK NEAR NEELS GAP, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
24...	1100	81341	13	50
NOV				
12...	1425	81341	18	130
DEC				
18...	1410	81341	36	<20
JAN				
22...	0945	81341	30	<20
FEB				
17...	0910	81341	47	20
MAR				
13...	1450	81341	41	<20
APR				
10...	0930	81341	46	20
MAY				
15...	1740	81341	31	220
JUN				
12...	0910	81341	25	50
JUL				
17...	0730	81341	12	130
30...	0615	81213	11	<20
AUG				
06...	0630	81213	9.5	20
14...	0630	81341	9.9	130
SEP				
11...	1000	81341	8.4	40

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUL									
31...	0925	81213	26	14	6.7	17.0	20.0	8.9	98

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
JUL								
31...	81213	0.8	0.57	<1.0	<2.0	<0.5	<1.0	<1.0

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JUL							
31...	81213	1.6	<2.0	<0.1	<1.0	<2.0	6.9

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 mi^2.

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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	1400	*10,600	*15.84	Feb. 28	1800	3,690	7.83
Jan. 25	0615	2,610	6.18	May 3	0845	3,480	7.51

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	326	154	6410	299	449	1740	446	439	781	329	282	131
2	287	217	1670	287	419	1060	421	401	436	236	219	155
3	278	170	859	270	401	878	406	2000	353	209	197	133
4	254	158	607	255	400	726	392	984	324	198	184	130
5	224	154	497	316	446	646	382	672	304	228	174	123
6	212	155	439	284	401	679	790	557	289	193	166	120
7	207	161	410	268	382	574	667	491	282	185	171	118
8	203	587	365	267	453	535	519	455	279	184	167	115
9	190	294	330	1130	403	507	467	433	270	181	186	121
10	181	230	309	645	393	487	435	402	261	189	294	291
11	177	204	297	461	376	466	418	380	260	173	212	298
12	171	190	337	385	357	445	894	370	287	172	180	167
13	168	182	443	346	538	456	740	360	293	167	183	148
14	164	178	344	321	585	959	575	337	397	165	188	141
15	163	173	313	308	805	694	513	333	394	177	169	137
16	160	166	295	521	576	566	475	314	303	184	162	134
17	159	165	362	368	490	514	449	308	356	162	156	131
18	182	186	316	330	446	490	427	300	323	161	149	130
19	169	239	300	313	422	505	420	296	283	156	147	129
20	158	193	281	300	402	482	418	300	259	150	150	125
21	155	188	270	290	541	454	395	282	245	145	152	126
22	155	206	265	293	628	434	410	269	242	144	140	125
23	156	190	262	323	484	413	417	265	227	554	135	127
24	152	187	289	610	443	399	379	263	219	381	135	255
25	150	232	284	1600	420	392	362	324	216	226	133	595
26	153	560	266	764	411	464	354	362	211	197	132	281
27	202	321	291	561	516	405	425	295	228	183	131	208
28	172	268	285	838	2400	416	799	285	263	217	129	449
29	161	243	358	658	---	887	651	327	215	248	128	354
30	157	430	343	547	---	588	494	408	242	194	124	224
31	152	---	319	487	---	490	---	390	---	585	129	---
TOTAL	5798	6981	18416	14645	14987	18751	14940	13602	9042	6873	5204	5721
MEAN	187	233	594	472	535	605	498	439	301	222	168	191
MAX	326	587	6410	1600	2400	1740	894	2000	781	585	294	595
MIN	150	154	262	255	357	392	354	263	211	144	124	115
CFSM	1.22	1.52	3.88	3.09	3.50	3.95	3.25	2.87	1.97	1.45	1.10	1.25
IN.	1.41	1.70	4.48	3.56	3.64	4.56	3.63	3.31	2.20	1.67	1.27	1.39

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	210	263	372	474	535	612	530	406	302	266	261	208
MAX	594	855	996	1334	1183	1255	1200	1004	781	589	1097	651
(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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1929 - 1997	
ANNUAL TOTAL	166281		134960			
ANNUAL MEAN	454		370		369	
HIGHEST ANNUAL MEAN					565	1946
LOWEST ANNUAL MEAN					152	1986
HIGHEST DAILY MEAN	7560	Jan 27	6410	Dec 1	11400	Aug 23 1967
LOWEST DAILY MEAN	150	Oct 25	115	Sep 8	44	Aug 6 1986
ANNUAL SEVEN-DAY MINIMUM	154	Oct 20	123	Sep 3	47	Aug 2 1986
INSTANTANEOUS PEAK FLOW			10600	Dec 1	22700	Aug 23 1967
INSTANTANEOUS PEAK STAGE			15.84	Dec 1	25.17	Aug 23 1967
INSTANTANEOUS LOW FLOW			113	Sep 8,9	a44	Aug 6 1986
ANNUAL RUNOFF (CFSM)	2.97		2.42		2.41	
ANNUAL RUNOFF (INCHES)	40.43		32.81		32.73	
10 PERCENT EXCEEDS	741		586		648	
50 PERCENT EXCEEDS	320		295		280	
90 PERCENT EXCEEDS	167		151		125	

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.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
15...	1142	163	12.0	4	1.8
15...	1147	163	12.0	5	2.2
NOV					
25...	1434	210	9.0	4	2.3
25...	1439	210	9.0	5	2.8
JAN					
07...	1155	270	9.0	2	1.5
07...	1200	270	9.0	3	2.2
FEB					
26...	1241	409	9.5	6	6.6
26...	1246	409	9.5	7	7.7
MAR					
31...	1211	489	--	12	16
31...	1216	489	--	11	15
MAY					
06...	1046	565	15.5	11	17
06...	1051	565	15.5	10	15
JUN					
23...	1041	231	23.0	17	11
23...	1046	231	23.0	16	10
AUG					
12...	1113	180	22.0	16	7.8
12...	1118	180	22.0	16	7.8

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 mi^2, 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.--56 years, 2,090 ft^3/s, 27.29 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1740	773	996	948	568	608	2030	3150	1140	2410	1270	2630
2	1910	591	791	943	938	592	2020	3160	1510	2430	517	2840
3	1930	964	974	946	2050	2410	2020	958	1310	2790	892	2990
4	2720	1140	961	576	2060	5300	567	935	3140	2410	1650	3350
5	582	1750	967	901	2060	4920	1670	3150	2600	548	1840	2710
6	954	1350	959	945	1670	4930	1290	2770	2420	1280	1640	543
7	2560	1760	591	948	2060	4900	2390	3540	581	1640	1580	1670
8	2780	1510	596	943	573	2530	2750	3720	1130	2020	1850	3220
9	2500	596	1330	1160	946	3190	2740	3920	2050	1760	553	3440
10	2520	962	1160	1150	1670	2720	2740	572	2050	2030	928	3380
11	2250	1360	962	575	2010	2690	2770	948	2240	2020	3190	3070
12	770	1360	947	576	2040	2730	573	3160	1670	545	2810	3220
13	921	1360	972	1130	2020	1280	948	2990	2610	923	2450	549
14	1450	1360	588	881	2020	3110	2010	2960	593	1470	2420	1350
15	1450	1370	590	940	568	564	3150	3140	958	1830	2440	3430
16	1760	590	1140	963	944	917	3160	2800	2440	2020	547	3660
17	1930	974	963	1310	1850	5470	2790	577	3180	2030	1290	3660
18	1340	1370	961	572	2020	5830	3130	940	3910	1840	2210	3480
19	587	985	2290	954	2030	5090	571	3150	3910	544	2400	3480
20	984	1180	1260	1130	2210	5430	933	2990	3910	923	2370	557
21	2180	1380	580	1120	940	5290	2800	2430	1850	2210	2410	1690
22	1350	1370	585	1320	570	558	2760	1510	2030	2420	2030	3280
23	1220	591	954	946	1320	911	3250	1860	4100	1330	544	3830
24	1340	1090	951	921	2000	4950	2600	580	3350	2580	1070	4080
25	1350	1370	1090	597	2020	4210	2780	942	3770	2200	2030	1330
26	588	1380	1540	941	2390	4010	572	2440	4280	541	2630	1970
27	963	1150	2100	1300	587	4060	965	2410	3550	724	2370	555
28	1370	1360	577	1310	670	3290	2260	2590	1840	1640	2420	1330
29	1490	1350	577	1300	---	559	1310	2230	2420	1700	3220	1710
30	1560	588	1330	1310	---	936	3540	2780	2420	1820	543	1310
31	1690	---	1140	1300	---	1790	---	587	---	1270	1670	---
TOTAL	48739	34934	31422	30856	42804	95775	63089	69889	72962	51898	55784	74314
MEAN	1572	1164	1014	995	1529	3090	2103	2254	2432	1674	1799	2477
MAX	2780	1760	2290	1320	2390	5830	3540	3920	4280	2790	3220	4080
MIN	582	588	577	572	568	558	567	572	581	541	517	543
MEAN†	769	1129	2478	2542	5335	888	2535	2287	2032	1315	706	929
CFSM†	.74	1.09	2.38	2.44	5.13	.85	2.44	2.20	1.95	1.26	.68	.89
IN.†	.85	1.21	2.75	2.82	5.34	.98	2.72	2.54	2.18	1.46	.78	1.00

† 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 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1884	1759	1516	1825	1936	2179	2644	2247	1908	1927	2286	2114
MAX	3983	4093	4900	5833	6504	5077	6996	6799	4969	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1956 - 1997	
ANNUAL TOTAL	951103		672466			
ANNUAL MEAN	2599	†2435	1842	†1886	2018	†2114
HIGHEST ANNUAL MEAN					3089	1993
LOWEST ANNUAL MEAN					855	1956
HIGHEST DAILY MEAN	8980	Mar 9	5830	Mar 18	9710	May 19 1964
LOWEST DAILY MEAN	535	Apr 13	517	Aug 2	262	May 18 1958
ANNUAL SEVEN-DAY MINIMUM	834	Dec 2	834	Dec 2	309	Jun 11 1957
INSTANTANEOUS PEAK FLOW			10300	Sep 18	12100	Oct 25 1993
INSTANTANEOUS PEAK STAGE			5.33	Sep 18	b15.70	Feb 13 1958
ANNUAL RUNOFF (CFSM)	2.50	†2.34	1.77	†1.81	1.94	†2.03
ANNUAL RUNOFF (INCHES)	34.02	†31.80	24.05	†24.63	26.37	†27.60
10 PERCENT EXCEEDS	5710		3280		4400	
50 PERCENT EXCEEDS	2100		1640		1350	
90 PERCENT EXCEEDS	577		584		537	

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	1949
LOWEST ANNUAL MEAN	1419	1955
HIGHEST DAILY MEAN	45000	Jan 8 1946
LOWEST DAILY MEAN	364	Sep 10 1951
ANNUAL SEVEN-DAY MINIMUM	415	Oct 7 1954
INSTANTANEOUS PEAK FLOW	c55000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	d32.60	Jan 8 1946
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 ft^3/s on basis of peak flows passing upstream and downstream stations.
d From floodmarks, at site and datum then in use.

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 mi^2.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 9	2100	634	6.74	May 3	2145	1,000	7.93
Feb. 28	1445	*2,630	*10.12a	July 24	0315	803	7.35
Apr. 28	0945	657	6.84	Sept. 25	2230	1,900	9.53

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	30	31	285	37	62	1260	53	81	120	56	89	15
2	29	72	130	37	56	198	53	68	56	44	56	14
3	28	32	62	35	70	151	53	496	50	36	38	14
4	26	27	50	35	89	116	52	266	44	33	34	28
5	24	26	46	88	77	102	52	91	42	34	31	16
6	23	26	46	53	62	128	84	76	41	41	28	13
7	25	26	43	64	57	94	65	67	49	34	27	13
8	35	249	41	63	163	87	53	63	45	36	27	12
9	27	64	37	437	86	83	52	60	41	42	30	12
10	24	42	36	174	74	80	49	55	39	30	35	15
11	23	36	36	86	67	77	49	53	50	27	31	24
12	23	33	44	66	60	73	88	52	55	27	28	16
13	23	31	106	58	158	85	61	50	48	26	29	13
14	23	31	50	52	171	141	53	49	130	25	31	12
15	22	30	43	51	316	97	51	51	104	25	26	11
16	22	29	40	239	116	79	49	45	87	27	25	11
17	21	29	58	89	89	75	48	44	132	25	24	10
18	24	35	44	70	78	72	46	43	114	25	22	10
19	24	47	44	65	73	72	47	42	69	27	21	10
20	22	34	38	62	69	71	78	43	52	21	27	9.1
21	22	35	35	60	115	68	52	42	73	23	37	8.4
22	22	43	38	60	135	66	88	39	109	25	23	8.0
23	26	32	35	60	79	63	141	38	54	271	19	8.5
24	24	31	39	92	71	61	66	39	44	317	18	16
25	24	38	40	183	68	60	55	42	52	71	18	873
26	22	59	35	86	80	64	53	41	45	54	17	606
27	24	35	39	70	143	59	128	41	97	37	16	92
28	24	32	38	138	1670	59	530	42	82	35	16	246
29	24	31	37	87	---	61	320	52	49	32	17	180
30	23	31	36	76	---	57	106	84	42	29	15	61
31	23	---	36	67	---	55	---	75	---	211	18	---
TOTAL	756	1297	1687	2840	4354	3814	2675	2330	2015	1746	873	2377.0
MEAN	24.4	43.2	54.4	91.6	156	123	89.2	75.2	67.2	56.3	28.2	79.2
MAX	35	249	285	437	1670	1260	530	496	132	317	89	873
MIN	21	26	35	35	56	55	46	38	39	21	15	8.0
CFSM	.52	.92	1.16	1.96	3.32	2.63	1.91	1.61	1.44	1.20	.60	1.69
IN.	.60	1.03	1.34	2.26	3.46	3.03	2.13	1.85	1.60	1.39	.69	1.89

a Recorded, but may have been higher earlier in the day during a period of missing record.

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	58.5	66.9	64.2	93.2	116	116	71.1	54.5	44.4	45.7	38.3	39.7
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1985 - 1997	
ANNUAL TOTAL	30992		26764.0			
ANNUAL MEAN	84.7		73.3		67.1	
HIGHEST ANNUAL MEAN					109	1996
LOWEST ANNUAL MEAN					30.0	1988
HIGHEST DAILY MEAN	1920	Jan 27	1670	Feb 28	2790	Oct 5 1995
LOWEST DAILY MEAN	18	b	8.0	Sep 22	1.0	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	20	Aug 19	9.1	Sep 17	1.3	Jul 16 1988
INSTANTANEOUS PEAK FLOW			2360	Feb 28	4350	Oct 5 1995
INSTANTANEOUS PEAK STAGE			a10.12	Feb 28	12.04	Oct 5 1995
INSTANTANEOUS LOW FLOW			7.1	Sep 22	.80	Jul 21 1988
ANNUAL RUNOFF (CFSM)	1.81		1.57		1.43	
ANNUAL RUNOFF (INCHES)	24.63		21.27		19.47	
10 PERCENT EXCEEDS	128		118		116	
50 PERCENT EXCEEDS	47		46		42	
90 PERCENT EXCEEDS	24		22		16	

a Recorded, but may have been higher earlier in the day during a period of missing record.
b Aug 22-24, Sept 15.

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 mi^2, 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.--85 years (1903-46, 1957-97), 2,289 ft^3/s, 26.57 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2390	1770	1550	1070	810	3740	2130	3460	1590	2880	1620	2420
2	1830	882	1460	1060	1090	1390	2240	3360	1670	2510	1010	2970
3	2060	1050	970	1050	1160	1400	2060	3960	1270	2740	693	3010
4	1880	807	1450	1040	2420	5180	2120	1480	2350	2610	1580	3010
5	2110	2190	1100	1100	2370	5600	928	2430	3250	1630	1780	3020
6	677	1480	750	845	2120	5120	1880	2920	3120	955	1870	1550
7	2140	963	1070	1120	3190	5640	1930	3290	923	1670	1600	1120
8	2740	2590	711	1200	1280	3810	3060	3980	1110	2080	1990	2610
9	2610	1460	1050	2440	894	3510	2940	5150	1660	1930	1150	3830
10	2710	1090	1240	1800	2240	2600	3120	1400	1830	1970	978	2950
11	2400	1430	1070	1390	1600	3320	2510	851	2350	1970	2100	3440
12	1440	834	1110	811	2510	2660	2330	2000	2390	1710	3430	3090
13	1110	2110	1330	783	2200	2770	820	3010	2830	765	2790	1750
14	1220	798	1090	1560	2650	1800	1950	3740	1800	1480	2470	706
15	1490	1480	719	1100	2390	2970	2420	3660	1100	1870	2570	2780
16	1470	1310	1220	1490	1010	863	2950	2880	2260	2120	1430	3870
17	1920	698	1150	1930	1400	3620	3080	1320	3360	2370	931	3550
18	1920	1160	1100	850	2700	6410	4270	722	3880	1640	2200	3830
19	1010	1450	1350	1120	2470	5260	1450	2160	4100	1230	2570	2980
20	724	1090	2170	823	2560	5910	843	3820	4350	833	2420	1970
21	1230	1260	1020	1770	1270	5490	1710	2100	2700	1660	2450	985
22	2170	1520	705	1480	1430	3000	3550	1860	2390	2400	2360	3360
23	1830	1410	1050	815	834	789	3560	2090	3430	3230	1190	3510
24	876	716	762	1260	2280	3500	3360	1400	3930	3280	789	3850
25	1970	1250	1390	1630	1900	4370	3000	915	3690	2710	1770	5000
26	708	1560	1740	892	2590	4370	1370	1810	3980	1370	2200	3200
27	777	1490	1890	1840	2230	4730	1070	2390	4110	805	2900	1260
28	1060	1220	1090	1210	5470	3470	3140	2700	2790	1360	2520	1280
29	1740	1510	712	1630	---	2400	2730	2530	2420	1970	2980	2250
30	1650	1380	742	2250	---	777	3010	2870	2420	1600	1670	1850
31	1340	---	1580	1540	---	1200	---	1940	---	2120	1140	---
TOTAL	51202	39958	36341	40899	57068	107669	71531	78198	79053	59468	59151	81001
MEAN	1652	1332	1172	1319	2038	3473	2384	2523	2635	1918	1908	2700
MAX	2740	2590	2170	2440	5470	6410	4270	5150	4350	3280	3430	5000
MIN	677	698	705	783	810	777	820	722	923	765	693	706

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2069	1985	1773	2181	2334	2607	3027	2511	2117	2108	2473	2300
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
(WY)a	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1957 - 1997	
ANNUAL TOTAL	1016134		761539			
ANNUAL MEAN	2776	†2612	2086	†2130	2289	
HIGHEST ANNUAL MEAN					3431	1993
LOWEST ANNUAL MEAN					1001	1957
HIGHEST DAILY MEAN	8880	Mar 9	6410	Mar 18	11200	Apr 6 1964
LOWEST DAILY MEAN	677	Oct 6	677	Oct 6	351	Sep 1 1957
ANNUAL SEVEN-DAY MINIMUM	999	Dec 5	999	Dec 5	416	Aug 31 1957
INSTANTANEOUS PEAK FLOW			8910	Mar 18	13200	Apr 5 1964
INSTANTANEOUS PEAK STAGE			10.16	Mar 18	13.10	Apr 5 1964
ANNUAL RUNOFF (CFSM)	2.37	†2.23	1.78	†1.82	1.96	
ANNUAL RUNOFF (INCHES)	32.31	†30.32	24.21	†24.72	26.59	
10 PERCENT EXCEEDS	6370		3550		4580	
50 PERCENT EXCEEDS	2190		1870		1750	
90 PERCENT EXCEEDS	998		858		753	

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	1920
LOWEST ANNUAL MEAN	1120	1914
HIGHEST DAILY MEAN	52000	Dec 10 1919
LOWEST DAILY MEAN	132	Aug 25 1925
ANNUAL SEVEN-DAY MINIMUM	217	Sep 20 1925
INSTANTANEOUS PEAK FLOW	b55000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	27.70	Jan 8 1946
INSTANTANEOUS LOW FLOW	c132	Aug 25 1925
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 ft^3/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 mi^2.
PERIOD OF RECORD.--April 1995 to January 1998 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is about 875 ft above sea level (from topographic map).
REMARKS.--Records good to fair, except those for the period after October 26, 1997 and less than 20 ft^3/s, which are fair.

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	8.5	13	133	9.4	15	97	11	21	28	11	7.7	3.1
2	8.1	25	26	9.7	14	40	10	18	12	8.0	6.2	3.1
3	12	9.1	16	9.8	50	38	9.9	268	10	7.1	5.6	3.2
4	16	7.8	12	10	31	25	9.5	31	9.9	6.9	5.3	2.8
5	9.1	7.6	12	38	22	23	9.5	24	9.0	6.8	4.7	3.0
6	8.6	9.3	11	22	13	24	34	21	9.1	6.7	4.3	3.1
7	8.4	13	11	33	13	19	14	18	13	6.7	5.0	3.1
8	9.7	103	8.8	44	46	18	11	17	9.6	6.8	4.9	3.0
9	6.2	18	7.7	177	16	18	10	17	8.9	6.7	6.1	2.9
10	5.9	13	7.8	40	14	18	9.5	15	8.4	6.6	11	4.3
11	5.8	10	8.1	22	11	17	9.4	14	17	6.4	7.4	4.7
12	5.7	7.7	20	15	11	16	18	15	11	6.6	5.8	3.6
13	5.2	7.4	20	14	48	43	11	13	9.1	7.6	7.5	3.4
14	5.2	7.3	9.8	12	50	48	9.7	13	56	6.7	5.7	3.2
15	5.3	6.6	8.5	19	53	22	9.4	15	13	6.1	6.8	3.3
16	5.2	6.3	8.4	98	18	18	9.0	13	15	7.9	6.0	3.2
17	5.7	6.4	17	19	13	16	8.8	12	25	7.4	5.0	3.1
18	8.9	14	10	15	12	16	8.6	12	13	5.7	4.7	2.9
19	5.6	13	10	13	13	15	11	12	10	5.5	4.5	3.6
20	4.9	8.3	8.1	13	14	15	17	12	11	5.3	4.8	3.4
21	5.3	14	7.8	12	62	14	11	11	21	5.2	4.4	2.6
22	5.9	8.6	7.9	14	30	13	26	11	9.7	5.7	3.9	2.4
23	7.6	5.9	8.7	14	14	13	22	11	9.0	238	3.7	2.9
24	5.4	5.7	12	34	12	12	12	12	8.4	17	3.7	7.8
25	5.2	14	8.7	40	12	13	10	18	8.4	9.2	3.7	567
26	5.1	15	7.9	15	16	15	9.9	11	9.3	7.6	3.7	46
27	8.8	6.8	11	13	164	13	102	13	8.8	6.8	3.8	19
28	7.5	6.4	9.2	59	679	13	149	11	8.3	7.9	3.8	59
29	7.6	6.1	9.5	21	—	13	48	18	7.8	7.1	3.8	16
30	6.7	7.7	9.4	18	—	12	26	23	9.5	5.9	3.4	10
31	5.4	—	9.7	16	—	11	—	22	—	16	3.1	—
TOTAL	220.5	396.0	467.0	888.9	1466	688	656.2	742	398.2	464.9	160.0	798.7
MEAN	7.11	13.2	15.1	28.7	52.4	22.2	21.9	23.9	13.3	15.0	5.16	26.6
MAX	16	103	133	177	679	97	149	268	56	238	11	567
MIN	4.9	5.7	7.7	9.4	11	11	8.6	11	7.8	5.2	3.1	2.4
CFSM	.61	1.14	1.30	2.47	4.51	1.91	1.89	2.06	1.14	1.29	.44	2.30
IN.	.71	1.27	1.50	2.85	4.70	2.21	2.10	2.38	1.28	1.49	.51	2.56

APALACHICOLA RIVER BASIN

02335078 JOHNS CREEK AT BUICE RD NEAR WARSAW, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	28.3	25.6	17.0	39.8	47.1	35.9	19.4	15.4	11.9	8.50	8.25	16.3
MAX	49.5	37.9	19.0	50.9	52.4	49.6	22.1	23.9	13.3	15.0	12.5	26.6
(WY)	1996	1996	1996	1996	1997	1996	1996	1997	1997	1997	1995	1997
MIN	7.11	13.2	15.1	28.7	42.1	22.2	14.3	10.6	11.0	4.24	5.16	9.99
(WY)	1997	1997	1997	1997	1996	1997	1995	1996	1996	1995	1997	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL TOTAL	7527.9		7346.4			
ANNUAL MEAN	20.6		20.1		23.3	
HIGHEST ANNUAL MEAN					26.5	1996
LOWEST ANNUAL MEAN					20.1	1997
HIGHEST DAILY MEAN	607	Feb 2	679	Feb 28	759	Oct 4 1995
LOWEST DAILY MEAN	2.5	Sep 8	2.4	Sep 22	1.1	Aug 1 1995
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 26	3.0	Sep 17	1.6	Jul 31 1995
INSTANTANEOUS PEAK FLOW			1590	Feb 28	1740	Jan 27 1996
INSTANTANEOUS PEAK STAGE			10.77	Feb 28	11.17	Jan 27 1996
INSTANTANEOUS LOW FLOW			2.2	Sep 17,22	.80	Aug 1 1995
ANNUAL RUNOFF (CFSM)	1.77		1.74		2.01	
ANNUAL RUNOFF (INCHES)	24.14		23.56		27.32	
10 PERCENT EXCEEDS	27		30		28	
50 PERCENT EXCEEDS	10		10		10	
90 PERCENT EXCEEDS	5.5		4.7		4.3	

APALACHICOLA RIVER BASIN

02335078 JOHNS CREEK AT BUICE RD NEAR WARSAW, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	26	15	13	---	---	---	---	---	---	---	---
2	7.8	18	12	13	---	---	---	---	---	---	---	---
3	7.4	15	25	13	---	---	---	---	---	---	---	---
4	6.8	15	26	13	---	---	---	---	---	---	---	---
5	6.4	15	15	13	---	---	---	---	---	---	---	---
6	6.1	21	13	16	---	---	---	---	---	---	---	---
7	6.0	17	12	173	---	---	---	---	---	---	---	---
8	6.2	15	13	61	---	---	---	---	---	---	---	---
9	5.9	14	13	---	---	---	---	---	---	---	---	---
10	5.9	14	15	---	---	---	---	---	---	---	---	---
11	5.9	13	13	---	---	---	---	---	---	---	---	---
12	5.9	22	12	---	---	---	---	---	---	---	---	---
13	5.9	29	12	---	---	---	---	---	---	---	---	---
14	5.8	20	12	---	---	---	---	---	---	---	---	---
15	5.7	16	12	---	---	---	---	---	---	---	---	---
16	5.8	14	12	---	---	---	---	---	---	---	---	---
17	5.9	14	12	---	---	---	---	---	---	---	---	---
18	5.8	14	12	---	---	---	---	---	---	---	---	---
19	6.1	14	12	---	---	---	---	---	---	---	---	---
20	5.8	14	12	---	---	---	---	---	---	---	---	---
21	5.7	37	12	---	---	---	---	---	---	---	---	---
22	5.9	33	33	---	---	---	---	---	---	---	---	---
23	5.8	17	16	---	---	---	---	---	---	---	---	---
24	7.7	14	181	---	---	---	---	---	---	---	---	---
25	70	13	46	---	---	---	---	---	---	---	---	---
26	293	13	26	---	---	---	---	---	---	---	---	---
27	39	13	32	---	---	---	---	---	---	---	---	---
28	20	13	18	---	---	---	---	---	---	---	---	---
29	17	15	16	---	---	---	---	---	---	---	---	---
30	15	20	15	---	---	---	---	---	---	---	---	---
31	16	---	14	---	---	---	---	---	---	---	---	---
TOTAL	620.8	528	689	---	---	---	---	---	---	---	---	---
MEAN	20.0	17.6	22.2	---	---	---	---	---	---	---	---	---
MAX	293	37	181	---	---	---	---	---	---	---	---	---
MIN	5.7	13	12	---	---	---	---	---	---	---	---	---
CFSM	1.73	1.52	1.92	---	---	---	---	---	---	---	---	---
IN.	1.99	1.69	2.21	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.6	22.9	18.8	39.8	47.1	35.9	19.4	15.4	11.9	8.50	8.25	16.3
MAX	49.5	37.9	22.2	50.9	52.4	49.6	22.1	23.9	13.3	15.0	12.5	26.6
(WY)	1996	1996	1998	1996	1997	1996	1996	1997	1997	1997	1995	1997
MIN	7.11	13.2	15.1	28.7	42.1	22.2	14.3	10.6	11.0	4.24	5.16	9.99
(WY)	1997	1997	1997	1997	1996	1997	1995	1996	1996	1995	1997	1995

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 97 TO JAN 98		WATER YEARS 1995 - 1998	
ANNUAL TOTAL	8100.7					
ANNUAL MEAN	22.2				23.3	
HIGHEST ANNUAL MEAN					26.5	1996
LOWEST ANNUAL MEAN					20.1	1997
HIGHEST DAILY MEAN	679	Feb 28	293	Oct 26	759	Oct 4 1995
LOWEST DAILY MEAN	2.4	Sep 22	5.7	Oct 15,21	1.1	Aug 1 1995
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 17			1.6	Jul 31 1995
INSTANTANEOUS PEAK FLOW			901	Oct 26	1740	Jan 27 1996
INSTANTANEOUS PEAK STAGE			8.61	Oct 26	11.17	Jan 27 1996
INSTANTANEOUS LOW FLOW			5.6	Oct 21,23	.80	Aug 1 1995
ANNUAL RUNOFF (CFSM)	1.91				2.01	
ANNUAL RUNOFF (INCHES)	25.98				27.32	
10 PERCENT EXCEEDS	34				29	
50 PERCENT EXCEEDS	12				11	
90 PERCENT EXCEEDS	4.7				4.8	

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 mi^2, 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.--39 years (water years 1942-59, 1977-97), 2,127 ft^3/s, 23.67 in/yr, unadjusted.

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	2250	1930	1950	1080	880	4700	1890	3480	1550	2910	1720	2000
2	1660	1140	1800	1020	945	1690	2140	3270	1570	2410	1170	2850
3	1920	981	981	1020	1050	1130	2140	5350	1140	2570	436	2870
4	1770	759	1440	1020	2480	4710	2140	1770	1800	2530	1060	2790
5	2620	2040	1080	1130	2360	5410	659	1610	3170	2180	1600	3000
6	571	1460	781	952	2270	5250	2030	2970	3370	571	1760	2190
7	1360	742	1040	1170	3000	5580	1560	3020	1120	1340	1620	520
8	2630	3010	623	1240	1680	4130	3100	3750	773	1780	1820	2150
9	2600	1810	905	3020	955	3090	2870	5220	1180	1890	1510	3670
10	2640	972	1250	2100	2090	2750	3150	2040	1870	1750	752	3150
11	2410	1340	1100	1430	1560	3210	2000	651	2150	1950	1320	3500
12	2000	868	1110	739	2470	2620	2930	1210	2380	1950	3400	2960
13	1040	2020	1500	685	2370	3040	771	3010	2520	512	2770	2410
14	959	749	1170	1520	2820	1670	1690	3550	3080	1090	2330	449
15	1480	1390	638	1070	2780	3470	1890	3670	1220	1630	2500	1860
16	1250	1380	1110	1910	1130	862	2930	2730	1590	1920	2040	3770
17	1810	608	1190	1970	1390	2630	3220	1870	3210	2380	554	3430
18	2040	1080	1100	890	2520	6540	4430	582	3670	1390	1810	3850
19	1290	1510	1080	977	2260	5250	1640	1420	4000	1500	2470	2790
20	605	1070	2370	847	2560	5800	792	3540	4260	442	2360	2760
21	1020	1250	1040	1710	1720	5330	1090	2070	3090	1010	2310	461
22	2170	1470	608	1420	1650	3750	3550	2270	2200	2190	2370	2880
23	1990	1420	919	899	807	744	3420	1520	2960	5050	1630	3270
24	739	636	707	1300	2050	2850	3550	1680	3920	3160	500	3880
25	2020	1200	1390	1850	1930	4270	2870	624	3610	2720	1250	7780
26	766	1650	1660	958	2530	4400	1960	1140	3860	1860	1960	3510
27	656	1460	1790	1720	2450	4700	1140	2420	4120	564	2820	1830
28	1050	1240	1280	1440	7010	3390	3410	2580	3060	913	2380	1150
29	1430	1420	633	1720	---	2770	3610	2540	2100	1910	2710	2080
30	1550	1430	620	2120	---	733	2180	2670	2360	1350	2410	2010
31	1470	---	1520	1530	---	1130	---	2560	---	2310	558	---
TOTAL	49766	40035	36385	42457	59717	107599	70752	76787	76903	57732	55900	81820
MEAN	1605	1335	1174	1370	2133	3471	2358	2477	2563	1862	1803	2727
MAX	2640	3010	2370	3020	7010	6540	4430	5350	4260	5050	3400	7780
MIN	571	608	608	685	807	733	659	582	773	442	436	449

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1810	1611	1688	2025	2260	2349	2603	2083	1717	1894	2243	2066
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1956 - 1997	
ANNUAL TOTAL	989832		755853			
ANNUAL MEAN	2704	†2540	2071	†2115	2013	
HIGHEST ANNUAL MEAN					3485	1993
LOWEST ANNUAL MEAN					948	1957
HIGHEST DAILY MEAN	9280	Jan 27	7780	Sep 25	10900	Mar 17 1990
LOWEST DAILY MEAN	492	Jun 2	436	Aug 3	315	Aug 11 1957
ANNUAL SEVEN-DAY MINIMUM	968	Dec 5	968	Dec 5	390	Jul 29 1957
INSTANTANEOUS PEAK FLOW					14500	Mar 17 1990
INSTANTANEOUS PEAK STAGE					9.89	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.22	†2.08	1.70	†1.73	1.65	
ANNUAL RUNOFF (INCHES)	30.18	†28.27	23.05	†23.54	22.42	
10 PERCENT EXCEEDS	6330		3550		4000	
50 PERCENT EXCEEDS	2040		1860		1460	
90 PERCENT EXCEEDS	777		769		643	

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 ft^3/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 mi^2, 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 to fair.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 1	0130	*2,760	10.76	July 23	1215	969	7.86
Apr. 29	0100	1,050	8.22	Sept. 25	1615	1010	8.03
May 4	1300	917	7.62				

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	49	49	459	55	108	2450	84	141	384	115	139	26
2	45	139	429	54	100	1110	83	110	143	83	78	25
3	69	71	153	52	151	337	81	662	117	66	64	25
4	102	50	103	51	155	236	79	787	94	57	59	25
5	49	45	84	136	126	184	78	185	80	51	54	24
6	40	43	81	108	101	209	176	136	73	47	48	23
7	37	44	73	e120	90	156	119	114	90	46	49	23
8	44	499	75	135	249	140	89	102	84	49	67	22
9	39	187	62	670	151	130	79	95	73	46	56	23
10	35	90	55	499	118	124	72	89	69	45	83	29
11	33	64	53	178	106	119	70	80	82	41	73	30
12	32	53	152	122	92	111	157	77	94	41	55	26
13	31	49	301	100	236	150	109	75	245	39	50	24
14	31	47	125	87	293	417	82	71	426	38	63	22
15	30	46	89	82	396	199	77	71	335	35	55	22
16	30	43	74	429	192	148	72	65	148	71	56	21
17	30	41	115	164	144	130	67	62	323	70	46	21
18	47	49	84	113	121	123	63	60	418	44	42	21
19	49	91	78	99	109	121	68	58	160	38	41	21
20	37	57	62	91	101	118	141	94	118	35	39	21
21	36	57	56	83	164	108	82	65	146	33	61	20
22	33	70	55	85	215	102	105	58	131	34	38	20
23	39	54	56	111	123	97	142	54	92	639	37	20
24	37	48	61	156	103	91	88	56	77	844	33	30
25	35	62	69	595	96	91	74	174	75	250	32	802
26	35	148	58	455	121	116	71	95	129	105	31	742
27	49	77	70	156	238	98	235	89	117	81	30	161
28	49	60	72	329	1700	136	819	82	94	68	30	211
29	43	53	69	191	---	140	880	90	73	95	29	167
30	41	50	62	141	---	100	214	163	83	66	28	94
31	40	---	57	117	---	90	---	130	---	187	27	---
TOTAL	1296	2436	3392	5764	5899	7881	4556	4190	4573	3459	1593	2741
MEAN	41.8	81.2	109	186	211	254	152	135	152	112	51.4	91.4
MAX	102	499	459	670	1700	2450	880	787	426	844	139	802
MIN	30	41	53	51	90	90	63	54	69	33	27	20
CFSM	.58	1.13	1.52	2.58	2.93	3.53	2.11	1.88	2.12	1.55	.71	1.27
IN.	.67	1.26	1.75	2.98	3.05	4.07	2.35	2.16	2.36	1.79	.82	1.42

e Estimated

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	65.5	81.3	124	174	188	216	162	112	80.0	62.0	59.4	48.5
MAX	231	242	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1960 - 1997	
ANNUAL TOTAL	47713		47780			
ANNUAL MEAN	130		131		114	
HIGHEST ANNUAL MEAN					168	1984
LOWEST ANNUAL MEAN					45.5	1986
HIGHEST DAILY MEAN	2420	Mar 7	2450	Mar 1	4480	Feb 3 1982
LOWEST DAILY MEAN	22	Sep 8	20	Sep 21-23	1.7	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	26	Sep 2	21	Sep 17	2.3	Jul 15 1988
INSTANTANEOUS PEAK FLOW			2760	Mar 1	6100	Feb 3 1982
INSTANTANEOUS PEAK STAGE			10.76	Mar 1	13.05	Feb 3 1982
ANNUAL RUNOFF (CFSM)	1.81		1.82		1.59	
ANNUAL RUNOFF (INCHES)	24.65		24.69		21.60	
10 PERCENT EXCEEDS	202		235		201	
50 PERCENT EXCEEDS	73		80		70	
90 PERCENT EXCEEDS	30		32		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 mi^2, 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, 853.70 ft, May 3; minimum elevation, 832.55 ft, Nov. 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	851.64	852.85	853.33	853.28	853.37	852.63	852.23	852.08	853.16	852.36	852.87	852.00
2	852.22	853.45	853.08	852.98	852.94	852.58	852.02	851.27	853.05	852.10	853.10	852.16
3	852.33	853.22	853.08	853.27	853.01	852.60	852.01	852.52	852.87	851.57	851.79	852.01
4	852.48	853.17	853.36	853.36	852.57	852.21	852.32	853.26	851.97	851.88	850.47	851.89
5	852.72	852.92	853.37	853.35	852.31	852.69	852.20	852.22	851.93	852.63	852.48	851.90
6	852.80	853.33	853.26	853.36	852.14	852.53	852.69	851.98	852.47	852.02	852.58	852.71
7	851.50	852.78	853.11	853.22	852.26	852.71	852.37	851.37	853.41	852.06	852.57	852.05
8	851.95	852.67	852.77	853.16	853.33	852.44	852.37	851.27	852.47	852.22	852.58	851.66
9	851.98	853.05	851.73	852.87	853.43	852.59	852.80	851.50	852.57	852.19	853.23	851.84
10	851.81	853.34	852.59	852.93	853.16	852.83	852.87	853.32	852.57	852.17	852.76	851.80
11	851.95	853.26	853.25	853.39	853.21	852.70	852.32	852.71	852.30	851.99	852.14	851.89
12	852.78	853.29	853.02	853.33	852.95	852.86	852.58	851.90	852.36	852.49	852.36	851.69
13	853.05	853.18	852.69	852.84	---	852.86	853.11	851.56	851.84	852.19	852.12	853.05
14	853.02	853.13	853.36	853.12	---	---	852.81	851.53	853.08	850.57	852.13	852.13
15	853.21	852.86	853.06	853.39	853.14	---	852.60	851.93	853.36	851.89	851.97	850.98
16	853.02	853.03	852.62	853.32	853.40	---	851.35	852.36	852.66	852.23	853.04	851.28
17	852.83	852.63	853.42	853.22	853.11	---	851.38	853.31	851.94	852.32	852.66	851.69
18	852.80	852.25	853.35	853.41	852.83	---	852.01	852.61	851.38	852.22	852.34	851.74
19	853.22	852.88	852.98	853.05	852.59	852.16	853.30	851.33	851.57	852.92	852.32	851.36
20	852.31	852.76	853.10	853.27	852.55	852.38	853.24	852.14	851.68	852.08	852.03	852.79
21	851.53	852.95	853.39	853.13	853.33	852.18	852.55	851.82	852.47	851.03	851.76	852.04
22	852.29	852.94	852.67	853.33	853.39	853.04	852.48	851.90	852.18	851.96	852.26	852.08
23	852.99	853.13	851.62	853.41	853.36	852.93	852.26	852.38	851.63	852.51	852.95	851.97
24	852.98	852.84	851.84	853.10	853.15	851.77	851.86	853.14	852.09	852.00	852.12	851.91
25	852.92	852.51	852.09	853.19	852.86	852.01	852.18	853.39	851.69	852.05	851.35	852.94
26	853.25	852.87	853.22	853.38	852.54	851.83	853.28	852.74	851.76	853.05	852.08	851.96
27	852.36	852.70	853.27	853.20	852.67	852.29	853.04	852.12	851.51	852.49	851.73	853.19
28	852.37	852.53	853.37	853.26	852.93	852.56	852.87	851.88	852.26	851.06	851.97	853.41
29	852.78	852.72	852.80	852.87	---	853.01	852.49	852.07	852.11	852.54	852.07	852.52
30	852.83	853.08	851.72	852.99	---	853.12	851.84	851.86	852.35	852.72	853.02	852.77
31	852.70	---	852.24	853.29	---	852.62	---	852.96	---	852.64	852.18	---
MEAN	852.54	852.94	852.86	853.20	---	---	852.45	852.21	852.29	852.13	852.29	852.11
MAX	853.25	853.45	853.42	853.41	---	---	853.30	853.39	853.41	853.05	853.23	853.41
MIN	851.50	852.25	851.62	852.84	---	---	851.35	851.27	851.38	850.57	850.47	850.98

CAL YR 1996 MEAN 852.47 MAX 853.45 MIN 850.67

APALACHICOLA RIVER BASIN

02335830 CHATTAHOOCHEE RIVER AT JOHNSON FERRY ROAD NEAR ATLANTA, GA.

LOCATION.--Lat 33°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 mi^2.
PERIOD OF RECORD.--October 1994 to January 1998 (discontinued).
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, except those for the periods of estimated daily discharge, which are 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.
REVISIONS.--Revised figures of discharge for water year 1995, superceding those published in the report for 1996, are given below.

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	1150	1520	3360	1060	5040	7420	1050	1280	2230	2200	2910	1350
2	1050	1330	3260	1190	4830	6370	948	2290	2470	1030	2900	1140
3	1680	1060	2720	1930	4880	4740	945	1990	2020	1600	3000	1120
4	1610	1090	1210	2190	3410	3960	945	1940	936	2890	2880	1160
5	1510	972	1880	2640	1040	3150	1180	1970	1420	2870	2260	2210
6	1250	917	3210	2310	2250	3420	1040	1280	2390	2850	1090	2100
7	1370	1880	3390	2310	4860	4640	1000	977	2480	2870	1570	1870
8	1130	1740	3240	1060	4780	5230	1070	931	2320	2050	2990	2140
9	1110	1900	3320	1620	4870	7570	964	1810	2420	1030	3110	1670
10	1110	2350	2630	2000	5350	6990	1290	1710	1630	1390	3140	1150
11	1700	2460	1520	1960	5970	5920	1500	1830	1100	2810	3030	1700
12	1710	1510	2610	1990	2010	6120	1780	1810	1740	2810	2210	2830
13	2480	942	3080	2000	1990	5940	1420	1270	1580	2810	1100	3050
14	2260	971	3160	1280	2170	5440	1280	979	1350	2760	1510	5570
15	1670	1010	3180	1210	2100	5620	1070	1330	1320	1940	2010	4780
16	1260	1800	3200	2050	9240	5820	981	2300	1300	952	2950	3340
17	1030	2090	2080	2030	8810	5140	965	2080	1140	1250	3320	1390
18	1540	1950	1020	3440	5660	5020	2080	2100	1010	1960	2820	2570
19	1510	1530	1950	3450	6620	3320	2010	2110	1090	1830	1390	4050
20	1400	980	2860	3910	6100	3850	2350	1470	1680	1790	1250	4180
21	1650	1320	3220	2350	5440	3940	2880	931	1400	1970	1440	4110
22	1550	2050	3120	1070	5270	3920	1840	928	1480	1250	2190	4160
23	1120	2040	3040	2290	5310	4020	1090	2470	1310	1050	2060	3060
24	1020	1790	2170	4850	5270	4530	1290	2500	1300	1380	2340	1160
25	2020	2040	1090	4810	3880	1260	1840	2450	1230	1880	2060	1800
26	3780	1820	1650	4830	1610	975	1760	1730	2370	1850	2920	3110
27	1710	1280	2810	4900	2680	951	1680	911	2840	1940	2330	3040
28	1070	3460	3240	4530	6020	1140	1560	937	2570	1950	1810	3050
29	935	4370	3150	1790	---	1140	1240	1900	2740	1340	1700	3080
30	1810	3510	3120	2800	---	1130	996	2620	2830	1040	1540	2240
31	1510	---	2380	4740	---	1130	---	2550	---	1380	1410	---
TOTAL	47705	53682	81870	80590	127460	129816	42044	53384	53696	58722	69240	78180
MEAN	1539	1789	2641	2600	4552	4188	1401	1722	1790	1894	2234	2606
MAX	3780	4370	3390	4900	9240	7570	2880	2620	2840	2890	3320	5570
MIN	935	917	1020	1060	1040	951	945	911	936	952	1090	1120

SUMMARY STATISTICS	FOR 1995 WATER YEAR	
ANNUAL TOTAL	876389	
ANNUAL MEAN	2401	†2151
HIGHEST DAILY MEAN	9240	Feb 16
LOWEST DAILY MEAN	911	May 27
ANNUAL SEVEN-DAY MINIMUM	1020	Apr 1
INSTANTANEOUS PEAK FLOW	13000	Feb 16
INSTANTANEOUS PEAK STAGE	13.09	Feb 16
ANNUAL RUNOFF (CFSM)	1.74	†1.56
ANNUAL RUNOFF (INCHES)	23.62	†21.17
10 PERCENT EXCEEDS	4780	
50 PERCENT EXCEEDS	1990	
90 PERCENT EXCEEDS	1050	

† 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2220	1510	3190	e1350	1280	8370	2080	3750	2550	3130	2270	2110
2	1780	1700	2960	e1200	1140	4030	2160	3450	2040	2900	1320	2920
3	2020	1170	1310	e1100	1860	2320	2160	6200	1930	2760	1180	3310
4	2190	1260	1610	e1200	3220	4090	1740	3150	2010	2920	1100	3310
5	2170	1750	1370	e1550	2780	5370	1080	2410	3210	1910	1690	3570
6	1100	1760	1360	e1550	2630	5590	2110	3340	3160	1220	1980	2270
7	1640	1620	1230	e1650	2420	5420	2020	3090	1790	1320	1830	1260
8	2640	3970	1200	1710	2590	4720	2680	3540	1300	2160	1980	2130
9	2870	2190	1210	4850	1480	2740	2900	4220	1540	2050	1520	3580
10	2630	1140	1230	3120	2310	3220	3000	2780	2240	2070	1140	3900
11	2640	1570	1350	1740	1930	3220	2620	1120	2440	2190	1780	4140
12	1630	1400	1820	1230	2760	2770	2600	1490	2810	1530	3290	3420
13	1100	1940	2110	1180	2950	2970	1130	3170	2460	1220	3260	2670
14	1110	1310	1510	1440	3610	3390	1690	3150	4370	1300	2810	1220
15	1580	1650	1210	1350	3800	3270	2170	3380	2150	1400	2780	1780
16	1560	1310	1200	3230	1610	1180	3250	2860	2190	2270	2030	3840
17	1880	1150	e1350	2320	1980	2510	3140	2110	3550	2500	1130	3980
18	2100	1200	e1300	1370	2650	5960	3540	1070	4500	2140	1920	4060
19	1310	1780	e1450	1170	2890	5410	1920	1480	4360	1250	2630	3680
20	1120	1280	e2100	1350	2570	5220	1110	3180	4240	1070	2890	2950
21	1220	1490	e1400	1630	2300	5350	1620	2990	3960	1250	2750	1270
22	1980	1780	e1000	1730	2410	3890	3110	2090	2580	2330	2510	2180
23	1690	1410	e1000	1340	1230	1100	3790	1530	2730	6950	1760	3820
24	1250	1160	e1100	1860	2310	2510	3750	1550	4100	4790	1210	4480
25	1690	1480	e1100	2730	2610	4370	2740	1130	3780	3750	1310	11400
26	1150	2190	e1450	1890	2780	4110	2140	1700	4170	1840	2400	6320
27	1080	1760	e1900	1930	3070	4160	1700	2840	4560	1210	2910	2650
28	1090	1520	e1900	2470	e11000	3760	4730	2630	3530	1170	2840	2200
29	1530	1650	e1100	2250	---	2620	5550	2850	2390	1740	2770	3480
30	1730	1420	e1100	2230	---	1130	2730	3010	2570	1910	2740	2140
31	1800	---	e1100	1840	---	1320	---	2540	---	2740	1270	---
TOTAL	53500	48520	46220	57560	76170	116090	76960	83800	89210	68990	65000	100040
MEAN	1726	1617	1491	1857	2720	3745	2565	2703	2974	2225	2097	3335
MAX	2870	3970	3190	4850	11000	8370	5550	6200	4560	6950	3290	11400
MIN	1080	1140	1000	1100	1140	1100	1080	1070	1300	1070	1100	1220

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	1850	1938	2072	2779	4907	4298	2271	2526	2419	2110	2328	2791
MAX	2285	2408	2641	3881	7360	4961	2847	3151	2974	2225	2655	3335
(WY)	1996	1996	1995	1996	1996	1996	1996	1996	1997	1997	1996	1997
MIN	1539	1617	1491	1857	2720	3745	1401	1722	1790	1894	2097	2041
(WY)	1995	1997	1997	1997	1997	1997	1995	1995	1995	1995	1997	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1994 - 1997	
ANNUAL TOTAL	1105730		882060			
ANNUAL MEAN	3021	†2857	2417	†2461	2668	
HIGHEST ANNUAL MEAN					3183	1996
LOWEST ANNUAL MEAN					2401	1995
HIGHEST DAILY MEAN	11800	Jan 27	11400	Sep 25	11800	Jan 27 1996
LOWEST DAILY MEAN	1000	Dec 22	1000	Dec 22	911	May 27 1995
ANNUAL SEVEN-DAY MINIMUM	1280	Dec 5	1160	Dec 29	1020	Apr 1 1995
INSTANTANEOUS PEAK FLOW			14500	Sep 25	14700	Oct 5 1995
INSTANTANEOUS PEAK STAGE			14.46	Sep 25	14.92	Oct 5 1995
ANNUAL RUNOFF (CFSM)	2.19	†2.07	1.75	†1.78	1.93	
ANNUAL RUNOFF (INCHES)	29.81	†28.11	23.78	†24.22	26.26	
10 PERCENT EXCEEDS	6450		3960		4780	
50 PERCENT EXCEEDS	2370		2140		2190	
90 PERCENT EXCEEDS	1200		1180		1140	

e Estimated
† 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1730	1600	1280	2490	---	---	---	---	---	---	---	---
2	1920	1150	1660	1930	---	---	---	---	---	---	---	---
3	1790	1280	1390	1320	---	---	---	---	---	---	---	---
4	1620	2030	2280	1000	---	---	---	---	---	---	---	---
5	1160	2040	1580	1250	---	---	---	---	---	---	---	---
6	1350	2040	1280	2470	---	---	---	---	---	---	---	---
7	2150	1870	1170	4560	---	---	---	---	---	---	---	---
8	2620	1310	1370	4870	---	---	---	---	---	---	---	---
9	3230	1160	1690	5700	---	---	---	---	---	---	---	---
10	2350	1340	1530	4300	---	---	---	---	---	---	---	---
11	1550	1820	1330	3010	---	---	---	---	---	---	---	---
12	1220	1830	1240	---	---	---	---	---	---	---	---	---
13	1440	2330	1160	---	---	---	---	---	---	---	---	---
14	2100	2250	1120	---	---	---	---	---	---	---	---	---
15	2090	1710	1540	---	---	---	---	---	---	---	---	---
16	2310	1200	2540	---	---	---	---	---	---	---	---	---
17	1620	1180	2080	---	---	---	---	---	---	---	---	---
18	1470	2230	2200	---	---	---	---	---	---	---	---	---
19	1270	3700	2480	---	---	---	---	---	---	---	---	---
20	1440	3800	1550	---	---	---	---	---	---	---	---	---
21	3700	1280	1150	---	---	---	---	---	---	---	---	---
22	3660	3140	2050	---	---	---	---	---	---	---	---	---
23	4050	1630	2110	---	---	---	---	---	---	---	---	---
24	4430	1590	4560	---	---	---	---	---	---	---	---	---
25	3530	1730	4830	---	---	---	---	---	---	---	---	---
26	6530	1590	2640	---	---	---	---	---	---	---	---	---
27	5740	1550	2990	---	---	---	---	---	---	---	---	---
28	6170	1340	2540	---	---	---	---	---	---	---	---	---
29	2130	1200	2220	---	---	---	---	---	---	---	---	---
30	2110	1140	2150	---	---	---	---	---	---	---	---	---
31	2200	---	2590	---	---	---	---	---	---	---	---	---
TOTAL	80680	54060	62300	---	---	---	---	---	---	---	---	---
MEAN	2603	1802	2010	---	---	---	---	---	---	---	---	---
MAX	6530	3800	4830	---	---	---	---	---	---	---	---	---
MIN	1160	1140	1120	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2038	1904	2056	2779	4907	4298	2271	2526	2419	2110	2328	2791
MAX	2603	2408	2641	3881	7360	4961	2847	3151	2974	2225	2655	3335
(WY)	1998	1996	1995	1996	1996	1996	1996	1996	1997	1997	1996	1997
MIN	1539	1617	1491	1857	2720	3745	1401	1722	1790	1894	2097	2041
(WY)	1995	1997	1997	1997	1997	1997	1995	1995	1995	1995	1997	1996

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 1997 TO JAN 1998		WATER YEARS 1994 - 1998	
ANNUAL TOTAL	930860					
ANNUAL MEAN	2550				2668	
HIGHEST ANNUAL MEAN					3183	1996
LOWEST ANNUAL MEAN					2401	1995
HIGHEST DAILY MEAN	11400	Sep 25	6530	Oct 26	11800	Jan 27 1996
LOWEST DAILY MEAN	1070	May 18	1000	Jan 4	911	May 27 1995
ANNUAL SEVEN-DAY MINIMUM	1350	Dec 8			1020	Apr 1 1995
INSTANTANEOUS PEAK FLOW			9660	Oct 28	14700	Oct 5 1995
INSTANTANEOUS PEAK STAGE			11.27	Oct 28	14.92	Oct 5 1995
ANNUAL RUNOFF (CFSM)	1.85				1.93	
ANNUAL RUNOFF (INCHES)	25.09				26.26	
10 PERCENT EXCEEDS	4100				4750	
50 PERCENT EXCEEDS	2250				2150	
90 PERCENT EXCEEDS	1220				1150	

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 mi^2, 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.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 8	0345	1,660	9.37	Apr. 27	2045	1,470	8.93
Dec. 1	0830	923	7.36	May 3	1015	3,230	12.03
Jan. 9	0700	947	7.45	June 1	0115	915	7.33
Jan. 16	0130	1,120	8.01	June 14	1030	1,380	8.73
Feb. 3	1745	941	7.43	July 23	1130	2,790	11.33
Feb. 21	1715	994	7.61	Sept. 25	1300	*4,010	*13.16
Feb. 28	0115	3,390	12.26	Sept. 28	1100	1,240	8.36
Mar. 14	0300	1,920	9.86				

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	50	339	30	29	190	29	37	191	25	23	8.3
2	16	87	50	24	27	86	29	31	83	21	15	8.0
3	15	18	31	21	194	127	29	795	53	19	13	7.8
4	14	15	27	20	74	81	28	89	32	18	12	7.6
5	13	15	28	126	44	82	30	52	28	18	11	7.5
6	13	14	26	31	33	80	175	41	26	17	10	7.5
7	14	15	27	89	31	48	45	34	48	18	27	7.4
8	15	424	23	136	185	45	33	31	29	18	12	7.2
9	13	38	22	396	45	44	31	30	26	17	18	7.4
10	13	27	21	70	37	42	28	28	25	17	13	10
11	13	22	21	50	32	40	28	27	33	16	11	13
12	12	20	123	36	29	38	102	27	28	16	11	7.9
13	12	19	75	32	156	99	36	26	28	60	11	7.5
14	12	19	29	30	120	492	32	25	405	49	12	7.5
15	12	18	25	45	124	80	31	27	62	19	53	7.4
16	12	18	23	265	47	55	30	23	41	19	18	7.4
17	12	17	66	40	37	46	30	23	104	18	13	7.1
18	34	41	28	31	33	43	28	23	49	41	59	6.8
19	14	29	28	28	30	49	28	22	31	21	19	6.8
20	12	20	22	27	29	42	56	24	27	16	17	6.7
21	12	22	22	25	213	38	28	22	26	16	12	6.6
22	12	21	21	33	75	36	168	21	25	54	10	6.6
23	15	18	21	28	40	33	102	21	23	952	9.7	6.7
24	12	18	30	126	34	32	38	23	22	81	9.6	77
25	12	58	23	183	31	32	30	79	21	37	9.4	1700
26	14	41	20	42	47	48	30	28	67	29	9.2	92
27	44	21	38	32	438	34	295	25	52	26	8.9	72
28	15	20	25	160	1240	34	305	23	26	23	8.7	319
29	13	19	23	44	---	33	90	37	22	21	8.8	71
30	13	21	21	44	---	31	47	83	27	126	8.5	37
31	12	---	21	32	---	29	---	69	---	115	8.4	---
TOTAL	461	1185	1299	2276	3454	2189	1991	1846	1660	1943	481.2	2544.7
MEAN	14.9	39.5	41.9	73.4	123	70.6	66.4	59.5	55.3	62.7	15.5	84.8
MAX	44	424	339	396	1240	492	305	795	405	952	59	1700
MIN	12	14	20	20	27	29	28	21	21	16	8.4	6.6
CFSM	.51	1.35	1.44	2.51	4.22	2.42	2.27	2.04	1.89	2.15	.53	2.90
IN.	.59	1.51	1.65	2.90	4.40	2.79	2.54	2.35	2.11	2.48	.61	3.24

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	42.7	42.2	42.3	69.9	88.8	79.4	48.7	41.1	40.9	43.2	37.1	39.7
MAX	112	107	101	159	170	201	68.6	98.3	114	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1985 - 1997	
ANNUAL TOTAL	20032.3		21329.9			
ANNUAL MEAN	54.7		58.4		51.1	
HIGHEST ANNUAL MEAN					70.5	1990
LOWEST ANNUAL MEAN					21.8	1986
HIGHEST DAILY MEAN	1520	Jan 27	1700	Sep 25	2530	Feb 16 1995
LOWEST DAILY MEAN	8.1	Sep 8	6.6	Sep 21,22	.79	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 26	6.8	Sep 17	2.0	Jul 7 1988
INSTANTANEOUS PEAK FLOW			4010	Sep 25	6630	Sep 30 1989
INSTANTANEOUS PEAK STAGE			13.16	Sep 25	16.22	Sep 30 1989
INSTANTANEOUS LOW FLOW			6.4	Sep 21,22		
ANNUAL RUNOFF (CFSM)	1.87		2.00		1.75	
ANNUAL RUNOFF (INCHES)	25.52		27.17		23.80	
10 PERCENT EXCEEDS	99		100		90	
50 PERCENT EXCEEDS	26		28		25	
90 PERCENT EXCEEDS	12		11		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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
21...	0945	12	91.0	--	6.60	--	10.5	21.0	10.6	98.0
NOV										
20...	1430	E19	85.0	--	6.50	--	13.0	20.0	10.1	98.0
JAN										
07...	0915	180	72.3	--	6.22	--	9.0	3.0	10.6	93.9
FEB										
06...	1415	E33	84.6	--	6.04	--	10.0	15.0	10.1	91.0
MAR										
06...	1000	67	77.0	--	6.26	--	12.5	17.0	9.65	92.5
APR										
22...	0915	73	82.0	--	6.70	--	16.0	19.5	8.30	88.0
MAY										
20...	0815	23	95.0	--	6.50	--	18.5	22.0	8.50	93.0
JUN										
25...	0800	E21	105	103	6.70	7.4	22.0	27.0	7.80	91.0
JUL										
23...	1300	2150	41.0	43	6.80	6.8	24.0	--	7.60	92.0
29...	0815	21	114	--	6.90	--	23.5	23.5	8.40	82.0
AUG										
25...	0830	E9.5	106	110	7.00	7.3	19.0	20.0	8.10	90.0
SEP										
16...	0730	7.2	141	142	6.75	7.2	20.0	20.0	8.20	89.0

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

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

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT								
21...	0945	<.010	.290	.020	--	--	<.20	<.20
NOV								
08...	0115	.020	.420	.080	2.7	.32	2.8	.40
08...	0315	.020	.390	.040	2.4	.36	2.4	.40
08...	0515	.030	.470	.050	1.6	.35	1.7	.40
08...	0730	.020	.500	.030	.97	.27	1.0	.30
08...	0930	.020	.540	.040	.76	.36	.80	.40
20...	1430	.020	.340	<.015	--	--	<.20	<.20
JAN								
07...	0915	<.010	.450	.040	.46	.16	.50	.20
FEB								
06...	1415	.020	.640	.070	--	--	<.20	<.20
MAR								
06...	1000	<.010	.640	.080	.32	.22	.40	.30
APR								
22...	0915	<.01	.66	.09	.30	--	.4	<.2
27...	1745	<.01	.61	.20	1.2	.21	1.4	.4
27...	1845	.01	.53	.18	1.6	.20	1.8	.4
27...	1945	<.01	.38	.13	1.8	.30	1.9	.4
27...	2145	<.01	.30	.08	1.6	.24	1.6	.3
27...	2345	<.01	.36	.09	1.0	.23	1.1	.3
28...	0635	<.01	.46	.16	1.1	.20	1.3	.4
28...	0835	<.01	.49	.18	1.0	.27	1.2	.5
28...	1345	.01	.48	.13	.49	.26	.6	.4
MAY								
20...	0815	<.01	.49	.02	--	--	<.2	<.2
JUN								
25...	0800	<.01	.56	.06	--	--	<.2	<.2
JUL								
23...	0100	.01	.47	.03	3.0	--	3.0	<.2
23...	0400	.01	.41	.03	1.2	--	1.2	<.2
23...	0600	.01	.43	.03	1.5	.25	1.5	.3
23...	0900	<.01	.38	.07	2.1	--	2.2	<.2
23...	1300	<.01	.41	.04	1.1	.17	1.2	.2
23...	1301	<.01	.39	.04	1.1	.24	1.1	.3
23...	1525	<.01	.45	.04	1.1	--	1.1	<.2
AUG								
25...	0830	.02	.47	<.02	--	--	<.2	<.2
SEP								
16...	0730	<.01	.43	.02	--	--	<.2	<.2

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
OCT								
21...	0945	12	2.5	<.010	<.010	<.010	1.7	.20
NOV								
08...	0115	801	240	1.10	.040	.030	6.3	13
08...	0315	1650	320	.970	.010	<.010	6.0	16
08...	0515	1270	180	.590	.020	.020	6.0	8.9
08...	0730	404	170	.330	.030	.010	5.8	--
08...	0930	246	140	.220	.020	.020	5.1	4.5
20...	1430	E19	4.2	<.010	<.010	<.010	1.8	.50
JAN								
07...	0915	180	59	.110	<.010	<.010	2.8	2.9
FEB								
06...	1415	E33	6.8	<.010	<.010	<.010	1.3	.40
MAR								
06...	1000	67	22	.040	<.010	<.010	2.7	.60
APR								
22...	0915	73	10	.03	<.01	<.01	3100	1.5
27...	1745	358	110	.36	<.01	.01	3.8	9.2
27...	1845	852	140	.41	<.01	.01	3.8	10
27...	1945	1440	200	.55	<.01	<.01	3.9	--
27...	2145	1220	230	.52	<.01	<.01	3.8	9.9
27...	2345	451	180	.27	.01	<.01	3.9	4.4
28...	0635	337	75	.22	<.01	<.01	4.8	--
28...	0835	647	120	.27	<.01	.01	4.7	4.3
28...	1345	192	74	.10	<.01	.01	4.6	--
MAY								
20...	0815	23	4.0	.02	<.01	<.01	1.2	.2
JUN								
25...	0800	E21	3.7	.01	<.01	<.01	1.3	.6
JUL								
23...	0100	E541	190	.69	<.01	<.01	4.4	16
23...	0400	E386	160	.28	<.01	<.01	3.9	8.6
23...	0600	E475	110	.35	<.01	.02	4.8	6.2
23...	0900	E2420	240	.54	<.01	.01	4.4	12
23...	1300	2150	150	.32	<.01	<.01	4.8	5.3
23...	1301	2150	150	.22	<.01	<.01	4.8	2.9
23...	1525	481	130	.28	<.01	<.01	4.8	4.3
AUG								
25...	0830	E9.5	1.8	<.01	<.01	<.01	1.5	.3
SEP								
16...	0730	7.2	1.9	<.01	<.01	<.01	1.2	<.2

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

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

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	BICARPOTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKABONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ANC LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JUN											
25...	0800	31	8.6	2.2	6.4	30	.5	2.1	31	28	32
JUL											
23...	1300	10	3.1	.68	1.5	19	.2	2.6	11	8.9	9.3
AUG											
25...	0830	32	9.1	2.4	7.3	31	.6	2.0	37	30	32
SEP											
16...	0730	36	10	2.5	11	39	.8	2.2	38	31	34

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN											
25...	0800	4.0	9.1	<.1	15	80	65	--	.11	25	140
JUL											
23...	1300	3.9	2.6	<.1	2.9	35	25	203	.05	49	88
AUG											
25...	0830	4.0	9.8	<.1	15	72	70	--	.10	32	200
SEP											
16...	0730	4.4	17	<.1	14	88	82	1.71	.12	12	190

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
21...	0946	12	15	.49	--
NOV					
08...	0116	801	1260	2730	59
08...	0316	1650	1530	6820	54
08...	0516	1270	923	3160	49
08...	0731	404	333	363	81
08...	0931	246	200	133	89
20...	1431	E19	13	--	--
JAN					
07...	0916	180	157	76	81
FEB					
06...	1416	E33	8	--	--
MAR					
06...	1001	67	24	4.3	--
APR					
22...	0916	73	36	7.1	--
27...	1746	358	425	411	73
27...	1846	852	1370	3150	38
27...	1946	1440	1460	5690	43
27...	2146	1220	997	3280	57
27...	2346	451	381	464	82
28...	0636	337	255	232	68
28...	0836	647	545	952	63
28...	1346	192	123	64	93
MAY					
20...	0816	23	28	1.7	--
JUN					
25...	0801	E21	20	--	--
JUL					
23...	0101	E541	1420	--	69
23...	0401	E386	454	--	85
23...	0601	E475	520	--	68
23...	0901	E2420	2570	--	27
23...	1302	2150	1040	6050	35
23...	1303	2150	752	4370	45
23...	1526	481	367	477	82
AUG					
25...	0831	E9.5	8	--	--
SEP					
16...	0731	7.2	4	.08	--

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 mi^2, 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.--64 years (water years 1929-31, 1937-97), 2,566 ft^3/s, 24.03 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2230	1640	3670	1290	1350	9760	2180	3790	2910	3190	2370	1620
2	1810	1940	3000	1160	1080	4480	2340	3630	2140	2950	1450	2580
3	2070	1100	1260	1070	2000	2610	2330	7450	2030	2850	1150	2940
4	2220	1140	1360	1120	3350	4020	2010	3510	1800	2910	1080	2890
5	2350	1460	1270	1520	2700	5610	1150	2550	3200	2130	1470	3140
6	1120	1660	1250	1490	2520	5810	2490	3310	3140	1220	1890	2190
7	1440	1490	1100	1600	2220	5460	2240	3240	2070	1260	1820	1050
8	2590	4800	1040	1780	3130	5010	2760	3550	1260	2020	1910	1620
9	2850	2400	1030	5620	1470	2860	3080	4160	1320	2110	1610	3100
10	2590	1040	1060	3280	2040	3450	3120	3120	2240	2130	1110	3530
11	2600	1310	1150	1730	1910	3320	2930	1120	2440	2190	1510	3710
12	1830	1390	1500	1150	2580	3000	2960	1370	2780	1670	3060	3050
13	1050	1650	2240	1060	3180	3230	1260	3260	2320	1220	3140	2500
14	1050	1390	1440	1220	3840	4390	1570	3080	5400	1390	2680	1040
15	1450	1420	1050	1290	4030	3640	2150	3440	2380	1300	2770	1380
16	1520	1300	1010	3560	1700	1330	3510	3030	1950	2130	2170	3300
17	1780	1030	1380	2200	1790	2300	3170	2340	3570	2540	1020	3460
18	2150	1130	1350	1480	2460	5980	3480	1070	4480	2330	1580	3480
19	1340	1700	1470	1080	2750	5750	2380	1410	4220	1410	2460	3390
20	1050	1160	2140	1220	2490	5390	1230	3100	4060	1070	2790	2590
21	1070	1300	1430	1480	2640	5550	1610	3170	3960	1190	2550	1060
22	1830	1610	1040	1560	2520	4380	3240	2240	2570	2460	2300	1510
23	1610	1370	1020	1430	1220	1190	4040	1450	2710	8700	1760	3320
24	1310	1030	1090	1890	2010	2260	3770	1720	3930	5360	1040	3910
25	1510	1250	1040	3030	2490	4590	2860	1390	3730	3770	1070	13200
26	1230	2050	1410	1970	2620	4320	2420	1600	4080	2040	1920	6150
27	1110	1590	1860	1700	3650	4290	2100	2920	4660	1200	2590	2630
28	1010	1400	1890	2650	11700	4040	5850	2700	3470	1160	2540	2540
29	1310	1430	1080	2350	---	3070	6140	2950	2460	1560	2440	3170
30	1650	1390	1050	2050	---	1190	2880	3180	2570	2130	2580	1940
31	1670	---	1050	1850	---	1300	---	2880	---	2800	1070	---
TOTAL	52400	46570	44730	57880	77440	123580	83250	87730	89850	72390	60900	91990
MEAN	1690	1552	1443	1867	2766	3986	2775	2830	2995	2335	1965	3066
MAX	2850	4800	3670	5620	11700	9760	6140	7450	5400	8700	3140	13200
MIN	1010	1030	1010	1060	1080	1190	1150	1070	1260	1070	1020	1040

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2170	2155	2091	2616	2849	3184	3411	2793	2341	2280	2538	2359
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	641	567	426	480
(WY)a	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1956 - 1997	
ANNUAL TOTAL	1133180		888710			
ANNUAL MEAN	3096	†2932	2435	†2479	2564	
HIGHEST ANNUAL MEAN					3834	1990
LOWEST ANNUAL MEAN					1135	1957
HIGHEST DAILY MEAN	14800	Jan 27	13200	Sep 25	20500	Mar 17 1990
LOWEST DAILY MEAN	1010	Oct 28	1010	Oct 28	296	Sep 2 1957
ANNUAL SEVEN-DAY MINIMUM	1130	Dec 5	1120	Dec 29	340	Sep 1 1957
INSTANTANEOUS PEAK FLOW			19900	Sep 25	b28900	Mar 30 1977
INSTANTANEOUS PEAK STAGE			17.34	Sep 25	c23.03	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.14	†2.02	1.68	†1.71	1.77	
ANNUAL RUNOFF (INCHES)	29.07	†27.46	22.80	†23.22	24.02	
10 PERCENT EXCEEDS	7260		3980		5000	
50 PERCENT EXCEEDS	2370		2140		1930	
90 PERCENT EXCEEDS	1240		1110		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	1949
LOWEST ANNUAL MEAN	1454	1941
HIGHEST DAILY MEAN	42100	Jan 9 1946
LOWEST DAILY MEAN	340	Oct 19 1954
ANNUAL SEVEN-DAY MINIMUM	390	Oct 6 1954
INSTANTANEOUS PEAK FLOW	59000	Jan 9 1946
INSTANTANEOUS PEAK STAGE	28.00	Jan 9 1946
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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to current year.
REVISED RECORDS.-- WDR GA-96-1: 1995 (P, daily discharge, daily stage and monthly runoff).
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 to fair.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0915	2,940	11.50	July 23	1000	*6,860	*17.62
Jan. 9	0645	3,150	11.90	Sept. 25	0930	4,260	13.83
Feb. 28	0030	5,080	15.12	Sept. 28	1045	3,360	12.29
Apr. 28	1700	3,910	13.25				

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	e53	137	1120	35	54	750	49	82	380	280	77	16
2	50	462	130	41	51	213	49	68	78	53	45	17
3	63	52	80	32	280	147	49	904	67	39	39	17
4	48	36	60	31	173	106	48	131	43	34	38	17
5	33	31	65	395	244	124	53	82	35	31	35	15
6	31	31	68	74	79	251	327	65	31	29	32	14
7	37	37	125	218	59	95	77	56	80	28	105	14
8	98	895	62	290	545	84	46	50	39	30	38	14
9	43	107	43	1390	104	79	43	93	27	30	53	14
10	32	56	42	160	90	80	41	71	29	30	103	14
11	30	44	40	107	70	75	41	44	36	26	53	37
12	28	39	134	76	55	70	156	42	46	26	31	17
13	27	38	187	65	721	210	57	40	33	26	208	15
14	27	36	56	59	491	371	45	38	575	26	61	14
15	26	34	45	93	550	88	44	48	203	39	81	14
16	26	32	41	557	147	65	42	37	85	220	42	14
17	26	32	184	88	106	62	41	34	522	190	28	13
18	97	131	64	68	89	60	39	36	204	65	44	13
19	44	117	78	61	82	70	43	32	84	54	40	13
20	28	43	43	57	73	65	129	33	64	32	121	12
21	26	67	40	52	218	55	48	32	96	108	63	12
22	26	46	38	56	166	53	210	30	57	338	27	12
23	54	30	37	58	78	52	342	30	43	3430	23	12
24	31	29	103	347	64	51	68	29	39	322	22	99
25	26	120	65	322	59	50	49	41	40	124	22	2460
26	30	193	39	90	87	67	46	35	142	93	20	234
27	30	47	88	65	710	58	583	136	110	80	19	157
28	27	37	51	427	3290	62	1610	51	80	72	20	1280
29	26	34	49	104	—	61	295	207	41	210	18	157
30	26	36	38	101	—	51	112	372	39	131	17	67
31	25	—	33	65	—	50	—	212	—	277	16	—
TOTAL	1174	3029	3248	5584	8735	3675	4782	3161	3348	6473	1541	4804
MEAN	37.9	101	105	180	312	119	159	102	112	209	49.7	160
MAX	98	895	1120	1390	3290	750	1610	904	575	3430	208	2460
MIN	25	29	33	31	51	50	39	29	27	26	16	12
CFSM	.44	1.16	1.21	2.08	3.59	1.37	1.84	1.17	1.29	2.41	.57	1.84
IN.	.50	1.30	1.39	2.39	3.74	1.58	2.05	1.35	1.43	2.77	.66	2.06

e Estimated

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	91.1	110	124	177	194	224	170	136	115	127	99.1	96.9
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1958 - 1997	
ANNUAL TOTAL	55987		49554			
ANNUAL MEAN	153		136		139	
HIGHEST ANNUAL MEAN					203	1975
LOWEST ANNUAL MEAN					67.0	1981
HIGHEST DAILY MEAN	3930	Jan 27	3430	Jul 23	6500	Oct 4 1995
LOWEST DAILY MEAN	21	Sep 15	12	Sep 20-23	6.0	Oct 3 1981
ANNUAL SEVEN-DAY MINIMUM	24	Jul 1	12	Sep 17	6.2	Oct 2 1981
INSTANTANEOUS PEAK FLOW			6860	Jul 23	9650	Mar 17 1990
INSTANTANEOUS PEAK STAGE			17.62	Jul 23	21.06	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.76		1.56		1.60	
ANNUAL RUNOFF (INCHES)	23.99		21.24		21.69	
10 PERCENT EXCEEDS	288		261		272	
50 PERCENT EXCEEDS	63		53		60	
90 PERCENT EXCEEDS	27		26		24	

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.18	3.38	6.93	2.96	3.16	6.02	3.18	3.46	4.68	4.28	3.29	2.70
2	3.12	5.04	3.68	3.02	3.12	4.20	3.19	3.35	3.41	3.10	3.03	2.73
3	3.20	3.12	3.35	2.92	4.16	3.85	3.18	6.25	3.33	2.96	2.97	2.71
4	3.10	2.97	3.20	2.91	3.89	3.62	3.18	3.76	3.12	2.91	2.95	2.71
5	2.94	2.91	3.24	4.70	4.27	3.69	3.21	3.46	3.04	2.87	2.91	2.68
6	2.91	2.90	3.27	3.31	3.35	4.33	4.71	3.32	2.99	2.84	2.88	2.67
7	2.98	2.98	3.60	4.15	3.20	3.55	3.41	3.25	3.40	2.84	3.35	2.66
8	3.48	6.31	3.21	4.29	5.36	3.47	3.16	3.20	3.07	2.86	2.96	2.66
9	3.04	3.53	3.04	7.69	3.52	3.43	3.13	3.47	2.94	2.85	3.08	2.66
10	2.93	3.17	3.03	3.86	3.43	3.44	3.11	3.36	2.96	2.86	3.43	2.66
11	2.89	3.06	3.01	3.55	3.28	3.40	3.11	3.14	3.05	2.81	3.09	2.95
12	2.87	3.01	3.53	3.33	3.16	3.37	3.87	3.11	3.16	2.80	2.87	2.72
13	2.86	2.99	3.93	3.24	5.88	3.92	3.26	3.10	3.02	2.80	3.83	2.68
14	2.85	2.97	3.17	3.20	5.10	4.79	3.15	3.07	5.25	2.80	3.20	2.66
15	2.85	2.95	3.07	3.33	5.35	3.49	3.13	3.17	4.00	2.87	3.27	2.65
16	2.85	2.93	3.02	5.33	3.71	3.33	3.11	3.06	3.35	4.05	3.04	2.66
17	2.85	2.92	3.95	3.42	3.45	3.31	3.11	3.03	4.98	3.95	2.88	2.64
18	3.41	3.54	3.23	3.27	3.34	3.29	3.08	3.05	4.02	3.19	3.03	2.64
19	3.05	3.57	3.34	3.22	3.29	3.36	3.12	3.01	3.35	3.10	3.02	2.64
20	2.87	3.05	3.05	3.18	3.23	3.32	3.72	3.01	3.20	2.89	3.50	2.62
21	2.84	3.23	3.01	3.14	3.95	3.25	3.18	3.00	3.40	3.27	3.21	2.62
22	2.84	3.07	3.00	3.17	3.80	3.23	4.00	2.98	3.14	4.32	2.87	2.62
23	3.14	2.90	2.99	3.19	3.27	3.21	4.62	2.98	3.01	11.95	2.82	2.62
24	2.91	2.88	3.45	4.46	3.15	3.21	3.35	2.96	2.97	4.64	2.80	3.24
25	2.85	3.40	3.23	4.60	3.12	3.20	3.19	3.10	2.97	3.61	2.79	10.26
26	2.90	3.93	3.01	3.43	3.32	3.34	3.16	3.04	3.68	3.41	2.77	4.29
27	2.90	3.08	3.40	3.25	5.20	3.27	5.08	3.70	3.51	3.32	2.76	3.90
28	2.86	2.99	3.13	4.89	11.90	3.30	8.33	3.19	3.30	3.26	2.76	7.26
29	2.85	2.94	3.10	3.52	---	3.29	4.51	4.00	2.98	3.98	2.73	3.93
30	2.85	2.97	2.99	3.50	---	3.21	3.65	4.80	2.97	3.58	2.72	3.39
31	2.83	---	2.94	3.25	---	3.20	---	3.97	---	4.31	2.71	---
MEAN	2.97	3.29	3.36	3.72	4.11	3.58	3.64	3.40	3.41	3.59	3.02	3.26
MAX	3.48	6.31	6.93	7.69	11.90	6.02	8.33	6.25	5.25	11.95	3.83	10.26
MIN	2.83	2.88	2.94	2.91	3.12	3.20	3.08	2.96	2.94	2.80	2.71	2.62

CAL YR 1996	MEAN 3.58	MAX 12.21	MIN 2.64
WTR YR 1997	MEAN 3.44	MAX 11.95	MIN 2.62

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 and 82213 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. For further information regarding sampling methodologies and sampler types used to collect data according to the protocols of the USGS NAWQA program, please contact the Georgia District Office, U.S. Geological Survey.

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

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT												
17...	0825	81341	81341	26	169	167	7.3	7.3	15.5	12.0	7.6	--
21...	1145	1028	80020	26	150	--	6.60	--	14.5	27.0	9.80	99.0
NOV												
14...	0820	81341	81341	36	156	156	7.1	7.4	10.0	12.0	9.8	--
21...	1430	1028	80020	47	139	--	6.70	--	14.5	21.0	9.70	100
DEC												
12...	0900	81341	81341	38	154	157	7.2	7.0	12.0	20.0	8.3	--
JAN												
07...	1400	1028	80020	298	76.7	--	6.29	--	10.0	10.0	10.3	92.2
09...	1255	81341	81341	1320	52	49	7.0	6.8	5.0	--	11.5	--
FEB												
06...	1245	1028	80020	72	111	--	6.70	--	10.5	14.5	9.75	88.3
12...	1045	81341	81341	55	139	125	7.1	6.9	5.5	6.0	12.0	--
MAR												
07...	0750	1028	80020	101	122	--	6.58	--	11.0	17.0	8.95	82.3
12...	1030	81341	81341	71	148	149	7.1	7.1	16.0	20.0	8.9	--
APR												
09...	1135	81341	81341	42	149	150	7.2	7.2	16.0	18.0	8.5	--
22...	1215	1028	80020	90	123	--	6.60	--	18.5	22.5	6.70	75.0
MAY												
03...	1025	1028	80020	2220	59	--	--	--	17.5	20.0	--	--
03...	1200	1028	80020	2010	53	--	--	--	18.0	20.0	--	--
20...	1115	1028	80020	32	171	--	6.80	--	21.0	22.0	8.80	100
22...	1100	81341	81341	30	144	162	7.3	7.5	18.5	23.0	9.3	--
JUN												
19...	1045	81341	81341	83	112	110	6.1	7.0	22.0	27.0	7.2	--
26...	0850	1028	80020	144	81.0	--	6.50	--	24.0	--	6.10	74.0
JUL												
17...	1150	81341	81341	151	55	69	6.7	6.7	25.0	30.0	5.9	--
23...	1450	1028	80020	4320	41.0	--	--	--	24.5	--	6.90	84.0
AUG												
14...	1030	81341	81341	55	70	95	6.8	7.1	24.0	28.0	6.5	--
25...	1000	1028	80020	21	155	--	7.10	--	22.0	26.5	7.90	94.0
SEP												
11...	1115	81341	81341	34	136	139	7.0	7.1	21.5	23.5	6.3	--
16...	0930	1028	80020	14	188	--	7.00	--	23.0	24.5	8.90	101

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT						
17...	0825	81341	81341	<1.0	7900	51
21...	1145	1028	80020	--	--	--
NOV						
14...	0820	81341	81341	<1.0	4900	48
21...	1430	1028	80020	--	--	--
DEC						
12...	0900	81341	81341	1.8	3500	46
JAN						
07...	1400	1028	80020	--	--	--
09...	1255	81341	81341	4.5	35000	15
FEB						
06...	1245	1028	80020	--	--	--
12...	1045	81341	81341	1.6	230	41
MAR						
07...	0750	1028	80020	--	--	--
12...	1030	81341	81341	1.1	1700	48
APR						
09...	1135	81341	81341	1.0	790	49
22...	1215	1028	80020	--	--	--
MAY						
03...	1025	1028	80020	--	--	--
03...	1200	1028	80020	--	--	--
20...	1115	1028	80020	--	--	--
22...	1100	81341	81341	1.3	4900	53
JUN						
19...	1045	81341	81341	1.4	7900	35
26...	0850	1028	80020	--	--	--
JUL						
17...	1150	81341	81341	4.0	160000	15
23...	1450	1028	80020	--	--	--
AUG						
14...	1030	81341	81341	2.2	1700	27
25...	1000	1028	80020	--	--	--
SEP						
11...	1115	81341	81341	5.1	>240000	38
16...	0930	1028	80020	--	--	--

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT												
17...	0825	81341	81341	--	.640	--	.040	--	--	--	--	--
21...	1145	1028	80020	.020	--	.350	--	.060	--	.24	<.20	.30
NOV												
08...	0130	1028	80020	.020	--	.370	--	.320	3.2	.58	3.5	.90
08...	0230	1028	80020	.030	--	.310	--	.050	3.3	.25	3.3	.30
08...	0330	1028	80020	.030	--	.330	--	.040	1.5	.16	1.5	.20
08...	0730	1028	80020	.020	--	.300	--	.050	.65	--	.70	<.20
08...	0930	1028	80020	.030	--	.320	--	.050	1.9	.15	1.9	.20
08...	1255	1028	80020	.030	--	.370	--	.040	.66	.16	.70	.20
14...	0820	81341	81341	--	.620	--	.080	--	--	--	--	--
21...	1430	1028	80020	.040	--	.460	--	.060	.24	.14	.30	.20
DEC												
12...	0900	81341	81341	--	.660	--	.240	--	--	--	--	--
JAN												
07...	1400	1028	80020	.010	--	.440	--	.090	.61	.31	.70	.40
09...	1255	81341	81341	--	.550	--	.150	--	--	--	--	--
FEB												
06...	1245	1028	80020	.030	--	.680	--	.060	.14	.14	.20	.20
12...	1045	81341	81341	--	1.02	--	.110	--	--	--	--	--
MAR												
07...	0750	1028	80020	<.010	--	.820	--	.070	.23	.23	.30	.30
12...	1030	81341	81341	--	.800	--	.050	--	--	--	--	--
APR												
09...	1135	81341	81341	--	.560	--	.130	--	--	--	--	--
22...	1215	1028	80020	.03	--	.72	--	.18	.42	.15	.6	.3
MAY												
03...	0615	1028	80020	.01	--	.47	--	.23	1.8	.44	2.0	.7
03...	0715	1028	80020	.01	--	.51	--	.34	2.2	.27	2.5	.6
03...	0815	1028	80020	.02	--	.49	--	.29	2.4	.31	2.7	.6
03...	1025	1028	80020	.02	--	.50	--	.22	1.6	.22	1.8	.4
03...	1030	1028	80020	.02	--	.50	--	.24	1.5	.29	1.7	.5
03...	1200	1028	80020	.01	--	.49	--	.26	1.7	.28	2.0	.5
03...	1205	1028	80020	.01	--	.50	--	.19	1.9	.28	2.1	.5
03...	1405	1028	80020	.01	--	.41	--	.18	1.6	.14	1.8	.3
03...	1605	1028	80020	.02	--	.46	--	.15	1.2	.24	1.4	.4
03...	1805	1028	80020	.02	--	.50	--	.13	1.1	.19	1.2	.3
04...	0005	1028	80020	.01	--	.52	--	.05	.80	.19	.9	.2
20...	1115	1028	80020	<.01	--	1.6	--	.02	--	--	<.2	<.2
22...	1100	81341	81341	--	.600	--	.120	--	--	--	--	--
JUN												
19...	1045	81341	81341	--	.520	--	.070	--	--	--	--	--
26...	0850	1028	80020	.02	--	.55	--	.02	.72	--	.7	<.2
JUL												
17...	1150	81341	81341	--	.780	--	.060	--	--	--	--	--
22...	2100	1028	80020	.01	--	.45	--	.07	3.0	.44	3.1	.5
23...	0100	1028	80020	.01	--	.43	--	.03	.59	.18	.6	.2
23...	0600	1028	80020	.01	--	.47	--	<.02	--	--	1.0	<.2
23...	0900	1028	80020	.01	--	.42	--	.05	2.0	.24	2.1	.3
23...	1443	1028	80020	.02	--	.41	--	.09	1.6	.16	1.7	.3
23...	1450	1028	80020	.02	--	.43	--	.11	1.5	.27	1.6	.4
23...	1909	1028	80020	<.01	--	.44	--	.03	2.6	--	2.6	<.2
23...	2309	1028	80020	.01	--	.54	--	.03	1.9	.19	1.9	.2
24...	0209	1028	80020	.02	--	.63	--	.04	1.1	.25	1.1	.3
AUG												
14...	1030	81341	81341	--	.550	--	.060	--	--	--	--	--
25...	1000	1028	80020	.03	--	.44	--	.04	.26	.16	.3	.2
SEP												
11...	1115	81341	81341	--	.920	--	.150	--	--	--	--	--
16...	0930	1028	80020	.01	--	.37	--	.04	--	--	<.2	<.2

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
OCT										
17...	0825	81341	81341	26	5.0	.030	--	--	--	--
21...	1145	1028	80020	26	2.2	.030	.020	<.010	3.2	.30
NOV										
08...	0130	1028	80020	1420	190	.950	.150	.130	8.3	>20
08...	0230	1028	80020	2310	140	.950	.060	.060	5.4	>20
08...	0330	1028	80020	2400	120	.420	.050	.050	4.9	10
08...	0730	1028	80020	1690	140	.160	.020	<.010	4.8	13
08...	0930	1028	80020	1380	150	.570	.010	.010	4.8	9.7
08...	1255	1028	80020	489	120	.180	.020	.020	5.1	6.0
14...	0820	81341	81341	36	6.0	.030	--	--	--	--
21...	1430	1028	80020	47	3.8	.040	<.010	<.010	2.6	.50
DEC										
12...	0900	81341	81341	38	5.0	.060	--	--	--	--
JAN										
07...	1400	1028	80020	298	30	.110	<.010	.010	3.3	2.0
09...	1255	81341	81341	1320	130	.350	--	--	--	--
FEB										
06...	1245	1028	80020	72	13	<.010	<.010	<.010	2.1	.50
12...	1045	81341	81341	55	12	<.020	--	--	--	--
MAR										
07...	0750	1028	80020	101	11	.030	<.010	<.010	2.3	.60
12...	1030	81341	81341	71	5.0	.020	--	--	--	--
APR										
09...	1135	81341	81341	42	3.0	.030	--	--	--	--
22...	1215	1028	80020	90	12	.06	.01	.01	--	.8
MAY										
03...	0615	1028	80020	480	160	.55	.09	.09	7	.9
03...	0715	1028	80020	1610	120	.57	.04	.05	5.4	3.7
03...	0815	1028	80020	2310	120	.62	.04	.05	6.8	8.3
03...	1025	1028	80020	2220	180	.56	<.01	.02	5.5	12
03...	1030	1028	80020	2200	150	.51	.03	.03	5.9	9.9
03...	1200	1028	80020	2010	190	.51	.04	.04	4.8	4.7
03...	1205	1028	80020	2000	240	.53	<.01	.02	4.8	1.5
03...	1405	1028	80020	1690	180	.41	<.01	<.01	4.2	1.8
03...	1605	1028	80020	879	150	.33	<.01	<.01	4.8	1
03...	1805	1028	80020	460	130	.25	<.01	<.01	4.3	4.5
04...	0005	1028	80020	217	68	.17	<.01	<.01	4.1	2.4
20...	1115	1028	80020	32	2.0	.04	<.01	.02	1	.3
22...	1100	81341	81341	30	4.0	.050	--	--	--	--
JUN										
19...	1045	81341	81341	83	14	.050	--	--	--	--
26...	0850	1028	80020	144	68	.16	<.01	.01	3.7	1.6
JUL										
17...	1150	81341	81341	151	130	.180	--	--	--	--
22...	2100	1028	80020	796	110	.63	.03	.05	6.9	21
23...	0100	1028	80020	2090	190	.12	<.01	.02	5	4.3
23...	0600	1028	80020	1290	96	.22	<.01	.02	5.4	6.6
23...	0900	1028	80020	6620	200	.53	.03	.03	5.2	8.3
23...	1443	1028	80020	4380	140	.37	<.01	.01	5	3.8
23...	1450	1028	80020	4320	140	.36	<.01	.02	5.2	4.7
23...	1909	1028	80020	2050	170	.56	<.01	.02	5	20
23...	2309	1028	80020	1400	150	.48	.02	.04	5.4	11
24...	0209	1028	80020	463	78	.28	<.01	.03	5.3	4.2
AUG										
14...	1030	81341	81341	55	33	.090	--	--	--	--
25...	1000	1028	80020	21	3.5	.02	<.01	<.01	2.2	.3
SEP										
11...	1115	81341	81341	34	39	.090	--	--	--	--
16...	0930	1028	80020	14	4.6	.04	.02	.01	2.2	.3

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

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

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT							
21...	1146	1028	82213	26	15	1.1	--
NOV							
08...	0131	1028	82213	1420	792	3040	92
08...	0231	1028	82213	2310	547	3410	92
08...	0331	1028	82213	2400	408	2640	89
08...	0731	1028	82213	1690	510	2330	92
08...	0931	1028	82213	1380	431	1610	96
08...	1256	1028	82213	489	229	302	98
21...	1431	1028	82213	47	27	3.4	--
JAN							
07...	1401	1028	82213	298	118	95	--
FEB							
06...	1246	1028	82213	72	19	3.7	--
MAR							
07...	0751	1028	82213	101	18	4.9	--
APR							
22...	1216	1028	82213	90	29	7.0	--
MAY							
03...	0616	1028	82213	480	1787	2320	58
03...	0716	1028	82213	1610	815	3540	71
03...	0816	1028	82213	2310	724	4520	71
03...	1026	1028	82213	2220	1080	6480	60
03...	1031	1028	82213	2200	844	5010	74
03...	1201	1028	82213	2010	1010	5480	66
03...	1206	1028	82213	2000	833	4500	81
03...	1406	1028	82213	1690	578	2640	80
03...	1606	1028	82213	879	398	945	81
03...	1806	1028	82213	460	250	311	91
04...	0006	1028	82213	217	112	66	94
20...	1116	1028	82213	32	23	2.0	--
JUN							
26...	0851	1028	82213	144	172	67	--
JUL							
22...	2101	1028	82213	796	661	1420	81
23...	0101	1028	82213	2090	635	3580	87
23...	0601	1028	82213	1290	343	1190	81
23...	0901	1028	82213	6620	913	16300	69
23...	1444	1028	82213	4380	516	6100	77
23...	1451	1028	82213	4310	541	6300	72
23...	1910	1028	82213	2050	1450	8020	65
23...	2310	1028	82213	1400	516	1950	85
24...	0210	1028	82213	463	214	268	91
AUG							
25...	1001	1028	82213	21	9	.51	--
SEP							
16...	0931	1028	82213	14	14	.53	--

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-nortwest of the Georgia State Capitol.
DRAINAGE AREA.--37.7 mi^2.
PERIOD OF RECORD.--October 1994 to January 1998 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is 773.07 ft above sea level (U.S. Army Corp of Engineers).
REMARKS.--Records fair to good, except those for the periods of estimated daily discharge, which are fair.

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	27	118	1010	e20	34	e540	20	45	387	238	54	18
2	22	441	85	e24	27	133	21	37	56	36	38	19
3	43	27	44	e18	311	93	21	e650	42	28	29	20
4	135	19	32	e17	130	53	21	105	31	24	28	29
5	25	18	33	e280	95	48	24	54	25	22	24	23
6	20	17	39	e50	41	134	289	43	25	22	22	16
7	22	20	51	e170	34	38	50	38	55	21	31	12
8	39	844	31	e200	385	33	32	34	27	21	33	11
9	22	48	19	1170	43	34	29	38	23	21	50	11
10	19	30	20	95	35	27	25	33	21	19	48	237
11	20	26	19	52	28	27	22	30	32	21	31	220
12	22	21	82	33	22	25	87	29	37	20	23	38
13	22	20	137	27	454	133	36	32	27	25	29	27
14	21	18	36	24	277	322	24	32	647	33	28	21
15	21	15	29	40	365	39	22	51	155	67	58	17
16	22	14	26	517	59	27	22	28	56	278	40	15
17	21	13	99	44	40	24	22	24	121	122	21	13
18	91	85	37	30	33	25	22	22	60	30	28	12
19	31	69	e50	25	28	28	24	23	35	24	44	13
20	21	28	e25	22	26	28	93	23	30	19	77	11
21	19	25	e23	20	202	23	27	24	93	123	46	12
22	18	37	e21	24	73	22	221	24	27	181	21	12
23	50	22	e20	26	29	21	270	23	23	e2500	16	11
24	24	20	e70	229	24	21	46	23	21	316	15	121
25	24	66	e40	316	22	20	29	51	23	85	14	e1800
26	22	130	e25	50	35	29	32	31	58	51	e14	e170
27	58	38	e55	35	577	23	584	211	42	39	e13	e110
28	32	29	e30	253	e2400	21	e1200	47	27	35	e18	714
29	34	33	e28	54	---	22	297	111	22	31	19	91
30	61	33	e22	52	---	20	70	223	113	76	18	44
31	52	---	e18	39	---	19	---	143	---	259	16	---
TOTAL	1060	2324	2256	3956	5829	2052	3682	2282	2341	4787	946	3868
MEAN	34.2	77.5	72.8	128	208	66.2	123	73.6	78.0	154	30.5	129
MAX	135	844	1010	1170	2400	540	1200	650	647	2500	77	1800
MIN	18	13	18	17	22	19	20	22	21	19	13	11
CFSM	.91	2.05	1.93	3.38	5.52	1.76	3.26	1.95	2.07	4.10	.81	3.42
IN.	1.05	2.29	2.23	3.90	5.75	2.02	3.63	2.25	2.31	4.72	.93	3.82

e Estimated

APALACHICOLA RIVER BASIN

02336410 NANCY CREEK AT WEST WESLEY ROAD AT ATLANTA, GA.--Continued

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	101	94.4	54.8	132	192	155	98.0	53.6	70.3	79.6	67.8	95.4
MAX	214	163	72.8	213	208	269	123	73.6	78.0	154	117	129
(WY)	1996	1996	1997	1996	1997	1996	1997	1997	1997	1997	1996	1997
MIN	34.2	42.6	33.6	54.7	183	66.2	79.1	30.1	61.6	31.4	30.5	76.9
(WY)	1997	1995	1995	1995	1995	1997	1995	1995	1996	1996	1997	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1994 - 1997	
ANNUAL TOTAL	39242.1		35383			
ANNUAL MEAN	107		96.9		99.0	
HIGHEST ANNUAL MEAN					128	1996
LOWEST ANNUAL MEAN					71.7	1995
HIGHEST DAILY MEAN	2800	Jan 27	2500	Jul 23	3000	Oct 4 1995
LOWEST DAILY MEAN	9.3	Jul 12	11	Sep 8	4.0	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	13	Jul 6	12	Sep 17	7.5	Sep 6 1995
INSTANTANEOUS PEAK FLOW			unknown	a	unknown	b
INSTANTANEOUS PEAK STAGE			c13.89	Jul 23	c17.73	Oct 5 1995
INSTANTANEOUS LOW FLOW			10	Sep 21	3.5	Sep 13 1995
ANNUAL RUNOFF (CFSM)	2.84		2.57		2.62	
ANNUAL RUNOFF (INCHES)	38.72		34.91		35.66	
10 PERCENT EXCEEDS	232		220		198	
50 PERCENT EXCEEDS	37		30		32	
90 PERCENT EXCEEDS	17		19		16	

a Feb 28 or July 23
b During the period Oct 4-5, 1995 or Jan 27, 1996
c 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	199	37	27	---	---	---	---	---	---	---	---
2	34	86	26	27	---	---	---	---	---	---	---	---
3	29	43	126	28	---	---	---	---	---	---	---	---
4	23	35	218	26	---	---	---	---	---	---	---	---
5	21	32	42	26	---	---	---	---	---	---	---	---
6	19	130	34	35	---	---	---	---	---	---	---	---
7	19	52	29	e1050	---	---	---	---	---	---	---	---
8	19	38	32	e300	---	---	---	---	---	---	---	---
9	17	32	52	99	---	---	---	---	---	---	---	---
10	17	30	41	50	---	---	---	---	---	---	---	---
11	15	27	33	43	---	---	---	---	---	---	---	---
12	15	96	29	---	---	---	---	---	---	---	---	---
13	14	216	30	---	---	---	---	---	---	---	---	---
14	14	91	29	---	---	---	---	---	---	---	---	---
15	14	38	27	---	---	---	---	---	---	---	---	---
16	14	30	26	---	---	---	---	---	---	---	---	---
17	17	26	27	---	---	---	---	---	---	---	---	---
18	14	25	25	---	---	---	---	---	---	---	---	---
19	21	24	24	---	---	---	---	---	---	---	---	---
20	13	26	24	---	---	---	---	---	---	---	---	---
21	13	669	27	---	---	---	---	---	---	---	---	---
22	32	1050	214	---	---	---	---	---	---	---	---	---
23	16	58	46	---	---	---	---	---	---	---	---	---
24	86	42	e480	---	---	---	---	---	---	---	---	---
25	96	35	181	---	---	---	---	---	---	---	---	---
26	e1400	31	59	---	---	---	---	---	---	---	---	---
27	165	30	127	---	---	---	---	---	---	---	---	---
28	50	28	46	---	---	---	---	---	---	---	---	---
29	35	49	40	---	---	---	---	---	---	---	---	---
30	31	95	37	---	---	---	---	---	---	---	---	---
31	39	---	30	---	---	---	---	---	---	---	---	---
TOTAL	2348	3363	2198	---	---	---	---	---	---	---	---	---
MEAN	75.7	112	70.9	---	---	---	---	---	---	---	---	---
MAX	1400	1050	480	---	---	---	---	---	---	---	---	---
MIN	13	24	24	---	---	---	---	---	---	---	---	---
CFSM	2.01	2.97	1.88	---	---	---	---	---	---	---	---	---
IN.	2.32	3.32	2.17	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	94.7	98.8	58.8	132	192	155	98.0	53.6	70.3	79.6	67.8	95.4
MAX	214	163	72.8	213	208	269	123	73.6	78.0	154	117	129
(WY)	1996	1996	1997	1996	1997	1996	1997	1997	1997	1997	1996	1997
MIN	34.2	42.6	33.6	54.7	183	66.2	79.1	30.1	61.6	31.4	30.5	76.9
(WY)	1997	1995	1995	1995	1995	1997	1995	1995	1996	1996	1997	1996

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 1997 TO JAN 1998		WATER YEARS 1994 - 1998	
ANNUAL TOTAL	37652					
ANNUAL MEAN	103				99.0	
HIGHEST ANNUAL MEAN					128	1996
LOWEST ANNUAL MEAN					71.7	1995
HIGHEST DAILY MEAN	2500	Jul 23	1400	Oct 26	3000	Oct 4 1995
LOWEST DAILY MEAN	11	Sep 8	13	Oct 20,21	4.0	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	12	Sep 17			7.5	Sep 6 1995
INSTANTANEOUS PEAK FLOW			unknown	a	unknown	b
INSTANTANEOUS PEAK STAGE			c11.54	Oct 26	c17.73	Oct 5 1995
INSTANTANEOUS LOW FLOW					3.5	Sep 13 1995
ANNUAL RUNOFF (CFSM)	2.74				2.62	
ANNUAL RUNOFF (INCHES)	37.15				35.66	
10 PERCENT EXCEEDS	222				196	
50 PERCENT EXCEEDS	32				32	
90 PERCENT EXCEEDS	18				16	

a Oct 26 or Nov 21
b During the period Oct 4-5, 1995 or Jan 27, 1996
c Backwater from Chattahoochee River
e Estimated

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 mi^2 (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 ft^3/s.

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	2280	1770	5930	1390	1710	14200	2210	4270	3890	3870	2650	1540
2	1870	3160	3570	1370	1280	5880	2450	4080	2370	3030	1660	2650
3	2160	1250	1580	1200	2630	3110	2420	9370	2280	2860	1270	2980
4	2380	1200	1440	1270	4220	4410	2240	4320	1880	2910	1190	2980
5	2480	1430	1480	2220	3290	6420	1320	2820	3330	2300	1410	3250
6	1140	1830	1430	1770	2800	6940	3230	3610	3240	1290	1950	2400
7	1310	1560	1370	2050	2400	6140	2460	3570	2510	1250	1980	1150
8	2700	6840	1210	2240	4750	5830	2800	3900	1470	1900	2010	1520
9	2930	2890	1160	8740	1860	3250	3200	4560	1370	2100	1890	3110
10	2620	1200	1190	4170	2150	3890	3210	3790	2300	2090	1320	3730
11	2610	1350	1270	2120	2270	3600	3060	1310	2490	2140	1510	4220
12	2020	1540	1570	1380	2740	3290	3460	1430	2850	1800	3160	3210
13	e1400	1610	2940	1280	4810	3580	1510	3430	2370	1230	3460	2770
14	e1300	1610	1650	1350	5040	5940	1550	3230	6690	1430	2870	1150
15	e1400	1440	1200	1490	5920	4300	2190	3680	2930	1280	2950	1310
16	e1700	1450	1150	5040	2250	1660	3750	3240	2100	2290	2530	3390
17	e1800	1140	1710	2470	2040	2440	3370	2640	4540	2880	1150	3570
18	2270	1350	1550	1870	2660	6470	3550	1210	5320	2370	1540	3600
19	1530	1940	1600	1300	3000	6700	2720	1400	4590	1640	2590	3580
20	1110	1340	2320	1370	2770	6110	1550	3190	4420	1110	3000	2820
21	1100	1390	1620	1610	3280	6270	1610	3300	4310	1240	2750	1130
22	1770	1750	1150	1740	3210	5150	3730	2370	2660	2990	2390	1360
23	1650	1520	1190	1770	1520	1470	5280	1550	2830	15000	1960	3470
24	1520	1150	1330	2550	2090	2370	4220	1900	4120	7000	1130	4120
25	1440	1330	1250	4090	2700	5220	2960	1600	3870	4160	1180	18100
26	1420	2530	1390	2300	2870	4910	2770	1640	4480	2340	1860	8390
27	1210	1730	2080	1800	5000	4780	3320	3250	5070	1360	2660	3370
28	1090	1510	2250	3620	17800	4660	9390	2860	3720	1300	2600	4670
29	1290	1490	1250	2760	---	3590	7430	3310	2530	1700	2490	3590
30	1720	1550	1220	2240	---	1380	3340	3990	2620	2280	2840	2280
31	1700	---	1170	2100	---	1390	---	3400	---	3240	1140	---
TOTAL	54920	53850	53220	72670	99060	145350	96300	98220	99150	84380	65090	105410
MEAN	1772	1795	1717	2344	3538	4689	3210	3168	3305	2722	2100	3514
MAX	2930	6840	5930	8740	17800	14200	9390	9370	6690	15000	3460	18100
MIN	1090	1140	1150	1200	1280	1380	1320	1210	1370	1110	1130	1130

e Estimated

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2444	2269	2565	3007	3713	3596	2804	2633	2222	2473	2789	2621
MAX	4289	4173	7191	8529	8606	8512	5962	6291	3305	3235	4664	4276
(WY)	1992	1993	1993	1993	1990	1990	1983	1984	1997	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1981 - 1997	
ANNUAL TOTAL	1304130		1027620			
ANNUAL MEAN	3563	†3399	2815	†2859	2784	†2805
HIGHEST ANNUAL MEAN					4394	1993
LOWEST ANNUAL MEAN					1486	1988
HIGHEST DAILY MEAN	22600	Jan 27	18100	Sep 25	29800	Mar 17 1990
LOWEST DAILY MEAN	1090	Oct 28	1090	Oct 28	847	May 30 1988
ANNUAL SEVEN-DAY MINIMUM	1300	Dec 5	1270	Dec 29	883	May 28 1988
INSTANTANEOUS PEAK FLOW			23700	Sep 25	33300	Mar 17 1990
INSTANTANEOUS PEAK STAGE			24.50	Sep 25	31.51	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.24	†2.14	1.77	†1.80	1.75	†1.76
ANNUAL RUNOFF (INCHES)	30.51	†29.03	24.04	†24.42	23.79	†23.96
10 PERCENT EXCEEDS	8460		4700		5230	
50 PERCENT EXCEEDS	2640		2370		1970	
90 PERCENT EXCEEDS	1320		1270		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 mi^2.
PERIOD OF RECORD.--April 1995 to January 1998 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is about 740 ft above sea level (from topographic map).
REMARKS.--Records fair.
REVISIONS.--Maximum discharges for partial water-year 1995 and water year 1996 have been revised to unknown, superseding figures published in the report for 1996.

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	7.2	42	273	8.7	9.1	e110	6.7	9.8	39	43	8.5	3.4
2	6.8	65	11	11	8.6	32	6.4	8.6	9.9	9.2	7.6	3.1
3	19	5.8	7.5	6.8	57	21	7.3	e160	8.8	7.6	7.3	3.1
4	10	4.9	6.6	7.0	15	15	6.7	13	6.7	7.1	7.1	3.1
5	5.4	4.7	8.4	82	50	25	8.3	9.5	6.4	6.9	6.9	2.9
6	5.2	4.8	6.9	11	11	29	58	9.4	6.1	7.2	6.8	2.8
7	6.4	5.3	16	38	11	12	9.1	8.6	14	6.7	28	2.9
8	9.6	233	6.9	82	105	10	7.2	8.3	6.3	6.5	7.2	2.6
9	5.3	9.0	6.2	299	12	9.7	6.9	16	5.9	6.3	8.6	2.8
10	4.9	6.3	6.2	16	13	10	7.0	8.5	7.0	6.4	5.7	4.7
11	4.7	6.1	6.4	11	9.9	9.9	6.8	6.4	6.6	5.9	5.3	3.3
12	4.7	5.9	48	8.5	8.2	9.3	19	6.2	6.2	5.4	5.4	2.6
13	4.5	5.6	13	7.7	175	46	7.6	6.0	7.4	10	21	2.3
14	4.5	5.6	6.8	7.1	99	88	7.0	5.5	103	6.8	18	2.4
15	4.5	5.8	6.3	25	53	8.5	7.0	5.3	12	5.0	14	2.4
16	4.6	5.8	6.1	105	12	7.4	7.2	5.1	13	5.6	6.8	2.7
17	4.5	5.8	37	8.5	8.5	7.3	7.0	5.0	245	5.4	4.8	2.7
18	15	17	9.3	7.2	7.2	7.2	6.9	5.0	18	21	7.2	2.9
19	5.0	7.9	10	6.9	6.4	8.6	7.8	5.4	11	12	4.9	2.6
20	4.4	6.0	6.4	6.6	5.9	7.4	8.8	5.1	9.3	6.3	14	2.8
21	6.4	50	6.1	6.8	43	7.0	7.3	5.0	8.2	5.3	6.0	3.1
22	4.2	8.6	6.1	8.9	8.4	6.9	58	4.7	8.4	110	4.1	3.1
23	8.3	6.1	6.2	7.9	5.2	6.7	38	4.7	9.1	e600	3.8	3.3
24	4.4	5.7	20	70	4.5	6.8	8.0	4.9	9.1	e30	3.7	14
25	4.2	31	7.5	33	4.2	6.7	7.3	7.1	9.0	14	3.5	e500
26	4.5	11	6.4	9.1	5.5	6.7	8.4	5.7	15	13	3.5	e20
27	8.2	6.1	16	8.1	281	6.6	164	43	11	12	3.8	34
28	4.7	5.5	8.7	84	e800	7.2	278	7.3	14	9.9	3.9	146
29	5.0	5.5	8.5	11	---	6.6	22	36	8.4	9.6	3.5	6.6
30	5.1	6.4	6.7	13	---	6.6	12	47	8.3	17	3.5	4.8
31	5.5	---	6.8	9.7	---	7.0	---	33	---	19	3.4	---
TOTAL	196.7	588.2	597.0	1016.5	1828.6	548.1	811.7	505.1	642.1	1030.1	237.8	793.0
MEAN	6.35	19.6	19.3	32.8	65.3	17.7	27.1	16.3	21.4	33.2	7.67	26.4
MAX	19	233	273	299	800	110	278	160	245	600	28	500
MIN	4.2	4.7	6.1	6.6	4.2	6.6	6.4	4.7	5.9	5.0	3.4	2.3
CFSM	.41	1.26	1.24	2.12	4.21	1.14	1.75	1.05	1.38	2.14	.49	1.71
IN.	.47	1.41	1.43	2.44	4.39	1.32	1.95	1.21	1.54	2.47	.57	1.90

e Estimated

APALACHICOLA RIVER BASIN

02336529 PROCTOR CREEK AT NORTHWEST DRIVE NEAR ATLANTA, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	34.8	27.9	17.8	44.1	56.6	43.5	25.2	13.5	17.7	16.4	22.7	24.1
MAX	63.2	36.2	19.3	55.5	65.3	69.2	27.1	16.3	21.4	33.2	34.2	27.7
(WY)	1996	1996	1997	1996	1997	1996	1997	1997	1997	1997	1995	1996
MIN	6.35	19.6	16.3	32.8	48.1	17.7	23.4	10.7	12.1	7.42	7.67	18.2
(WY)	1997	1997	1996	1997	1996	1997	1996	1995	1996	1996	1997	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL TOTAL	10008.9		8794.9			
ANNUAL MEAN	27.3		24.1		28.7	
HIGHEST ANNUAL MEAN					33.3	1996
LOWEST ANNUAL MEAN					24.1	1997
HIGHEST DAILY MEAN	700	Jan 27	800	Feb 28	1100	Oct 4 1995
LOWEST DAILY MEAN	1.5	Aug 21	2.3	Sep 13	1.5	Aug 21 1996
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 11	2.6	Sep 12	2.6	Sep 12 1997
INSTANTANEOUS PEAK FLOW			unknown	Feb 28	unknown	Feb 28 1997
INSTANTANEOUS PEAK STAGE			9.92	Feb 28	9.92	Feb 28 1997
INSTANTANEOUS LOW FLOW			2.1	Sep 13	1.2	Aug 21,22 1996
ANNUAL RUNOFF (CFSM)	1.76		1.55		1.85	
ANNUAL RUNOFF (INCHES)	24.02		21.11		25.15	
10 PERCENT EXCEEDS	49		43		45	
50 PERCENT EXCEEDS	10		7.2		8.5	
90 PERCENT EXCEEDS	4.7		4.4		4.7	

APALACHICOLA RIVER BASIN

02336529 PROCTOR CREEK AT NORTHWEST DRIVE NEAR ATLANTA, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	24	7.1	7.0	---	---	---	---	---	---	---	---
2	4.0	6.7	5.9	6.9	---	---	---	---	---	---	---	---
3	3.9	5.3	60	6.9	---	---	---	---	---	---	---	---
4	3.8	4.9	19	6.8	---	---	---	---	---	---	---	---
5	3.5	4.7	8.4	6.7	---	---	---	---	---	---	---	---
6	3.6	19	7.1	17	---	---	---	---	---	---	---	---
7	4.0	4.8	6.7	305	---	---	---	---	---	---	---	---
8	3.9	4.1	7.7	38	---	---	---	---	---	---	---	---
9	4.2	3.7	11	16	---	---	---	---	---	---	---	---
10	4.1	3.9	7.6	11	---	---	---	---	---	---	---	---
11	4.2	3.7	6.7	10	---	---	---	---	---	---	---	---
12	4.3	28	6.5	9.4	---	---	---	---	---	---	---	---
13	4.2	15	6.4	10	---	---	---	---	---	---	---	---
14	4.5	10	8.3	---	---	---	---	---	---	---	---	---
15	4.3	4.6	6.3	---	---	---	---	---	---	---	---	---
16	4.6	3.8	5.9	---	---	---	---	---	---	---	---	---
17	4.9	3.6	5.9	---	---	---	---	---	---	---	---	---
18	4.1	3.9	5.6	---	---	---	---	---	---	---	---	---
19	4.1	5.2	5.4	---	---	---	---	---	---	---	---	---
20	4.2	3.3	5.5	---	---	---	---	---	---	---	---	---
21	4.4	680	5.2	---	---	---	---	---	---	---	---	---
22	14	72	75	---	---	---	---	---	---	---	---	---
23	3.7	14	7.8	---	---	---	---	---	---	---	---	---
24	24	10	476	---	---	---	---	---	---	---	---	---
25	50	8.6	21	---	---	---	---	---	---	---	---	---
26	358	7.6	11	---	---	---	---	---	---	---	---	---
27	15	6.9	39	---	---	---	---	---	---	---	---	---
28	7.1	6.4	8.7	---	---	---	---	---	---	---	---	---
29	5.9	15	8.7	---	---	---	---	---	---	---	---	---
30	5.3	17	8.2	---	---	---	---	---	---	---	---	---
31	17	---	7.4	---	---	---	---	---	---	---	---	---
TOTAL	587.1	999.7	871.0	---	---	---	---	---	---	---	---	---
MEAN	18.9	33.3	28.1	---	---	---	---	---	---	---	---	---
MAX	358	680	476	---	---	---	---	---	---	---	---	---
MIN	3.5	3.3	5.2	---	---	---	---	---	---	---	---	---
CFSM	1.22	2.15	1.81	---	---	---	---	---	---	---	---	---
IN.	1.41	2.40	2.09	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.5	29.7	21.2	44.1	56.6	43.5	25.2	13.5	17.7	16.4	22.7	24.1
MAX	63.2	36.2	28.1	55.5	65.3	69.2	27.1	16.3	21.4	33.2	34.2	27.7
(WY)	1996	1996	1998	1996	1997	1996	1997	1997	1997	1997	1995	1996
MIN	6.35	19.6	16.3	32.8	48.1	17.7	23.4	10.7	12.1	7.42	7.67	18.2
(WY)	1997	1997	1996	1997	1996	1997	1996	1995	1996	1996	1997	1995

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 1997 TO JAN 1998		WATER YEARS 1995 - 1998	
ANNUAL TOTAL	9870.8					
ANNUAL MEAN	27.0				28.7	
HIGHEST ANNUAL MEAN					33.3	1996
LOWEST ANNUAL MEAN					24.1	1997
HIGHEST DAILY MEAN	800	Feb 28	680	Nov 21	1100	Oct 4 1995
LOWEST DAILY MEAN	2.3	Sep 13	3.3	Nov 20	1.5	Aug 21 1996
ANNUAL SEVEN-DAY MINIMUM	2.6	Sep 12			2.6	Sep 12 1997
INSTANTANEOUS PEAK FLOW			unknown	Nov 21	unknown	Nov 21 1997
INSTANTANEOUS PEAK STAGE			12.41	Nov 21	12.41	Nov 21 1997
INSTANTANEOUS LOW FLOW					1.2	Aug 21,22 1996
ANNUAL RUNOFF (CFSM)	1.74				1.85	
ANNUAL RUNOFF (INCHES)	23.69				25.15	
10 PERCENT EXCEEDS	44				45	
50 PERCENT EXCEEDS	7.3				8.3	
90 PERCENT EXCEEDS	3.8				4.5	

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 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 mi^2.
PERIOD OF RECORD.--October 1995 to current year.
GAGE.--Water-stage recorder. Datum of gage is about 745 ft above sea level (from topographic map). Prior to Nov. 11, 1996, at site 150 ft downstream on right bank at same datum.
REMARKS.--Records fair to good, except those for the period of estimated daily discharge, which are fair.

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	21	25	223	25	41	e175	34	48	128	61	27	13
2	21	83	59	26	39	e80	35	42	45	29	25	13
3	22	18	41	23	108	e100	36	202	42	24	24	13
4	27	13	36	23	e60	e75	35	65	34	22	23	12
5	17	12	36	69	e40	e70	36	51	31	21	22	12
6	16	12	33	31	e35	74	106	45	30	19	21	12
7	17	12	41	69	e30	54	47	41	39	20	24	11
8	20	160	30	86	e82	55	40	38	30	20	23	11
9	16	e20	26	285	e50	53	37	39	28	19	25	11
10	15	e18	26	74	e40	51	34	35	27	18	23	15
11	15	e17	25	52	e35	49	35	32	31	17	21	20
12	15	e16	45	42	e32	46	71	32	28	17	20	12
13	15	e15	56	37	e85	59	39	31	25	24	27	11
14	15	e14	31	34	e75	213	35	29	115	33	24	10
15	15	e15	28	35	e60	63	33	30	55	19	23	10
16	15	e14	26	167	e50	55	32	28	37	20	22	10
17	14	e14	50	50	e35	52	31	27	70	27	18	9.7
18	22	e37	29	40	e30	53	29	27	48	18	20	9.7
19	16	e25	31	36	e28	52	29	26	36	24	21	9.5
20	14	e18	25	34	e25	47	39	28	31	16	52	9.3
21	14	25	24	33	e115	45	30	26	32	16	25	8.9
22	14	23	24	36	e75	42	56	25	31	71	18	9.3
23	17	20	23	34	e50	40	67	25	27	614	16	9.2
24	14	21	36	85	e40	40	34	26	25	100	16	17
25	13	48	28	146	e35	40	30	62	36	48	15	489
26	14	44	24	56	e40	42	32	30	32	38	15	104
27	30	25	34	46	e300	39	137	32	26	32	15	41
28	16	23	27	86	e600	40	207	28	22	29	15	121
29	14	23	26	49	---	38	85	34	24	28	14	36
30	13	24	24	49	---	36	57	64	25	31	14	23
31	12	---	24	41	---	36	---	44	---	37	13	---
TOTAL	519	834	1191	1899	2235	1914	1548	1292	1190	1512	661	1092.6
MEAN	16.7	27.8	38.4	61.3	79.8	61.7	51.6	41.7	39.7	48.8	21.3	36.4
MAX	30	160	223	285	600	213	207	202	128	614	52	489
MIN	12	12	23	23	25	36	29	25	22	16	13	8.9
CFSM	.53	.88	1.22	1.94	2.53	1.96	1.64	1.32	1.26	1.55	.68	1.16
IN.	.61	.98	1.41	2.24	2.64	2.26	1.83	1.53	1.41	1.79	.78	1.29

e Estimated

APALACHICOLA RIVER BASIN

02336635 NICKAJACK CREEK AT US HIGHWAYS 78 AND 278 NEAR MABLETON, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	56.1	42.7	38.0	75.2	85.4	85.6	54.3	43.2	36.5	37.6	22.1	33.2
MAX	95.5	57.5	38.4	89.1	90.8	109	57.0	44.7	39.7	48.8	22.9	36.4
(WY)	1996	1996	1997	1996	1996	1996	1996	1996	1997	1997	1996	1997
MIN	16.7	27.8	37.5	61.3	79.8	61.7	51.6	41.7	33.3	26.4	21.3	30.0
(WY)	1997	1997	1996	1997	1997	1997	1997	1997	1996	1996	1997	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1996 - 1997	
ANNUAL TOTAL	17857		15887.6			
ANNUAL MEAN	48.8		43.5		50.7	
HIGHEST ANNUAL MEAN					57.8	1996
LOWEST ANNUAL MEAN					43.5	1997
HIGHEST DAILY MEAN	1020	Jan 27	614	Jul 23	1180	Oct 5 1995
LOWEST DAILY MEAN	12	Sep 8	8.9	Sep 21	8.9	Sep 21 1997
ANNUAL SEVEN-DAY MINIMUM	14	Aug 26	9.4	Sep 17	9.4	Sep 17 1997
INSTANTANEOUS PEAK FLOW			1130	Jul 23	1480	Oct 5 1995
INSTANTANEOUS PEAK STAGE			a11.56	Jul 23	13.37	Oct 5 1995
ANNUAL RUNOFF (CFSM)	1.55		1.38		1.61	
ANNUAL RUNOFF (INCHES)	21.09		18.76		21.86	
10 PERCENT EXCEEDS	77		72		81	
50 PERCENT EXCEEDS	33		30		32	
90 PERCENT EXCEEDS	15		14		16	

a Recorded, may have been higher during the period of missing record, Feb. 27-28.

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 mi^2.

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 ft^3/s, from rating extended above 6,500 ft^3/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 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Jan. 9	2200	2,170	7.35	July 24	1200	3,340	9.98
Mar. 1	2300	*5,090	13.39	Sept. 26	1000	2,110	7.20
May 4	0600	2,090	7.15				

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	237	111	945	239	463	4770	240	609	1340	273	201	55
2	191	359	1040	284	400	4720	228	418	1340	253	157	53
3	168	281	744	278	536	3320	226	1140	805	193	137	51
4	152	223	449	251	1040	1600	224	1810	433	158	124	50
5	133	172	326	576	845	877	226	867	324	138	113	46
6	115	147	291	612	635	784	534	494	265	121	104	44
7	108	137	269	683	492	662	527	371	258	112	98	41
8	108	1140	253	736	935	573	398	304	263	117	94	40
9	107	807	215	1940	835	502	298	273	240	118	96	42
10	103	430	196	1870	656	458	250	250	217	112	120	43
11	94	268	186	1370	532	438	236	223	225	101	119	64
12	89	203	217	692	449	412	388	208	215	95	114	53
13	85	174	550	478	725	435	374	202	198	91	112	48
14	84	159	374	398	1040	1470	300	189	536	93	143	43
15	82	148	280	354	1290	1350	248	183	806	87	146	40
16	84	138	234	1140	984	939	227	172	421	89	182	38
17	84	132	472	851	717	613	215	162	562	87	118	37
18	93	149	441	610	564	512	203	155	816	123	107	35
19	111	237	361	444	491	470	199	150	617	125	156	34
20	101	195	274	389	442	462	246	156	407	89	165	33
21	94	230	230	342	571	417	217	162	318	77	235	31
22	88	256	212	312	1130	378	275	155	454	198	115	29
23	89	229	207	328	816	342	533	145	282	1790	90	29
24	89	195	232	479	606	314	372	143	229	3110	81	36
25	85	206	251	1100	490	301	280	222	212	1540	76	1090
26	84	330	225	865	470	323	244	199	215	476	72	1840
27	120	278	254	661	619	311	397	202	253	273	68	616
28	132	229	277	737	2980	294	1460	235	208	202	65	801
29	129	193	284	726	---	289	1540	239	184	163	63	918
30	123	181	261	642	---	280	1090	391	179	243	59	467
31	108	---	243	555	---	261	---	460	---	270	57	---
TOTAL	3470	7937	10793	20942	21753	28877	12195	10889	12822	10917	3587	6747
MEAN	112	265	348	676	777	932	407	351	427	352	116	225
MAX	237	1140	1040	1940	2980	4770	1540	1810	1340	3110	235	1840
MIN	82	111	186	239	400	261	199	143	179	77	57	29
CFSM	.46	1.08	1.42	2.75	3.16	3.79	1.65	1.43	1.74	1.43	.47	.91
IN.	.52	1.20	1.63	3.17	3.29	4.37	1.84	1.65	1.94	1.65	.54	1.02

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	159	228	349	514	590	662	528	341	226	233	184	123
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1904 - 1997	
ANNUAL TOTAL	149388		150929			
ANNUAL MEAN	408		414		341	
HIGHEST ANNUAL MEAN					553	1984
LOWEST ANNUAL MEAN					141	1988
HIGHEST DAILY MEAN	5590	Mar 8	4770	Mar 1	10100	Feb 4 1982
LOWEST DAILY MEAN	52	Jul 14	29	Sep 22,23	2.1	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	58	Jul 3	32	Sep 18	2.3	Oct 5 1954
INSTANTANEOUS PEAK FLOW			5090	Mar 1	10700	Feb 4 1982
INSTANTANEOUS PEAK STAGE			13.39	Mar 1	19.90	Feb 4 1982
INSTANTANEOUS LOW FLOW			a28	Sep 22,23	b.52	Jul 6 1990
ANNUAL RUNOFF (CFSM)	1.66		1.68		1.39	
ANNUAL RUNOFF (INCHES)	22.59		22.82		18.84	
10 PERCENT EXCEEDS	720		871		678	
50 PERCENT EXCEEDS	220		243		198	
90 PERCENT EXCEEDS	86		84		61	

a Gage height, .55 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
17...	1213	81341	81341	83	97	97	7.1	7.1	15.5	25.0	8.7
NOV											
14...	1240	81341	81341	158	85	86	--	7.1	10.0	21.0	10.5
DEC											
12...	1340	81341	81341	182	76	80	7.3	6.9	10.5	25.0	10.0
JAN											
09...	1000	81341	81341	1970	54	51	8.1	6.5	6.0	--	10.9
FEB											
12...	0750	81341	81341	460	70	65	7.3	7.0	6.0	-1.0	11.7
MAR											
12...	0800	81341	81341	422	73	68	7.3	6.9	16.5	11.0	8.4
APR											
09...	0830	81341	81341	302	80	76	7.3	7.1	15.5	--	8.4
MAY											
22...	0820	81341	81341	157	83	81	7.9	7.2	19.0	18.0	7.6
JUN											
19...	0820	81341	81341	643	72	69	7.6	7.0	--	22.0	7.1
JUL											
17...	0745	81341	81341	95	89	89	7.0	7.1	25.5	23.0	6.4
AUG											
14...	0810	81341	81341	140	87	88	6.9	7.3	23.0	24.5	6.8
SEP											
11...	0830	81341	81341	66	96	100	7.1	7.2	21.0	17.0	6.8

DATE	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
17...	81341	81341	11	<1.0	30	.230	<.030	<.020	2.0
NOV									
14...	81341	81341	9.0	<1.0	26	.200	<.030	<.020	3.0
DEC									
12...	81341	81341	8.0	<1.0	24	.280	<.030	<.020	2.0
JAN									
09...	81341	81341	24	2.6	15	.260	.050	.160	5.0
FEB									
12...	81341	81341	14	1.3	22	.310	.040	<.020	3.0
MAR									
12...	81341	81341	13	<1.0	23	.280	.040	.020	2.0
APR									
09...	81341	81341	11	<1.0	15	.450	<.030	.040	2.0
MAY									
22...	81341	81341	11	<1.0	27	.310	.060	<.020	3.0
JUN									
19...	81341	81341	33	1.0	20	.190	.030	.050	4.0
JUL									
17...	81341	81341	11	<1.0	30	.320	<.030	.020	3.0
AUG									
14...	81341	81341	17	<1.0	34	.330	.050	.030	2.0
SEP									
11...	81341	81341	9.0	<1.0	35	.240	<.030	.050	2.0

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

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

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
OCT					
17...	1213	81341	81341	83	330
NOV					
14...	1240	81341	81341	158	110
DEC					
12...	1340	81341	81341	182	130
JAN					
09...	1000	81341	81341	1970	3300
FEB					
12...	0750	81341	81341	460	130
MAR					
12...	0800	81341	81341	422	170
APR					
09...	0830	81341	81341	302	80
MAY					
22...	0820	81341	81341	157	110
JUN					
19...	0820	81341	81341	643	330
JUL					
17...	0745	81341	81341	95	200
AUG					
14...	0810	81341	81341	140	2200
SEP					
11...	0830	81341	81341	66	700

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 mi^2.
PERIOD OF RECORD.--October 1995 to January 1998 (discontinued).
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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	16	162	21	39	e600	25	40	49	39	18	7.9
2	18	54	86	22	37	e160	25	32	29	28	14	7.3
3	17	26	49	20	38	89	25	e90	27	25	13	7.0
4	14	20	37	20	37	65	25	e50	23	22	13	6.9
5	13	18	39	62	43	54	26	34	21	20	12	8.3
6	13	18	33	39	38	56	44	30	21	18	12	6.6
7	14	24	37	46	36	43	32	27	25	18	11	6.3
8	19	112	19	77	96	39	27	24	25	19	11	6.0
9	12	36	15	367	57	35	26	24	23	17	11	6.3
10	11	24	16	93	47	33	25	22	21	16	12	8.7
11	11	20	19	58	42	31	25	20	21	15	12	10
12	12	18	24	45	39	28	38	20	22	15	10	7.6
13	12	18	49	36	138	30	30	19	28	16	11	7.0
14	13	16	27	32	123	90	26	19	66	15	15	6.9
15	13	15	22	30	170	40	25	19	57	19	15	7.0
16	13	14	22	91	69	33	24	18	34	18	13	6.5
17	14	14	33	44	51	30	26	17	123	16	12	6.4
18	15	15	24	35	43	29	23	16	89	14	13	6.5
19	14	20	24	33	39	30	22	16	47	13	14	7.1
20	14	16	20	31	37	30	22	16	34	14	12	6.5
21	14	17	18	31	50	27	21	16	29	12	13	6.1
22	15	15	18	30	56	26	26	16	26	20	10	5.9
23	14	12	18	31	42	25	48	16	23	e250	9.7	6.7
24	14	12	19	54	38	24	30	17	20	e80	9.5	7.3
25	13	16	19	74	37	24	26	24	20	40	9.2	e160
26	13	24	19	49	38	26	25	20	23	28	8.9	e60
27	16	16	29	41	90	25	67	30	32	23	8.6	35
28	16	16	28	108	e700	29	170	26	29	20	8.6	334
29	16	17	24	62	—	30	101	25	25	18	8.6	66
30	15	21	22	50	—	26	52	37	24	18	8.2	34
31	15	—	21	44	—	26	—	35	—	25	8.1	—
TOTAL	442	680	992	1776	2270	1833	1107	815	1036	911	356.4	857.8
MEAN	14.3	22.7	32.0	57.3	81.1	59.1	36.9	26.3	34.5	29.4	11.5	28.6
MAX	19	112	162	367	700	600	170	90	123	250	18	334
MIN	11	12	15	20	36	24	21	16	20	12	8.1	5.9
CFSM	.52	.82	1.16	2.08	2.95	2.15	1.34	.96	1.26	1.07	.42	1.04
IN.	.60	.92	1.34	2.40	3.07	2.48	1.50	1.10	1.40	1.23	.48	1.16

e Estimated

APALACHICOLA RIVER BASIN

02337160 DEEP CREEK AT STATE HIGHWAY 70 NEAR TELL, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	48.3	51.2	33.5	76.5	94.2	86.0	36.5	27.9	27.3	23.5	13.5	25.5
MAX	82.2	79.7	35.0	95.7	107	113	36.9	29.6	34.5	29.4	15.5	28.6
(WY)	1996	1996	1996	1996	1996	1996	1997	1996	1997	1997	1996	1997
MIN	14.3	22.7	32.0	57.3	81.1	59.1	36.0	26.3	20.0	17.7	11.5	22.4
(WY)	1997	1997	1997	1997	1997	1997	1996	1997	1996	1996	1997	1996

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL TOTAL	15982.9		13076.2			
ANNUAL MEAN	43.7		35.8		45.1	
HIGHEST ANNUAL MEAN					54.4	1996
LOWEST ANNUAL MEAN					35.8	1997
HIGHEST DAILY MEAN	1200	Mar 7	700	Feb 28	1200	Mar 7 1996
LOWEST DAILY MEAN	9.9	Jul 12	5.9	Sep 22	5.9	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	11	Jul 8	6.4	Sep 16	6.4	Sep 16 1997
INSTANTANEOUS PEAK FLOW			unknown	Feb 28 or Mar 1	unknown	Mar 7 1995
INSTANTANEOUS PEAK STAGE			a12.64	Mar 1	a14.08	Oct 5 1995
INSTANTANEOUS LOW FLOW			5.5	Sep 8	5.5	Sep 8 1997
ANNUAL RUNOFF (CFSM)	1.59		1.30		1.64	
ANNUAL RUNOFF (INCHES)	21.62		17.69		22.28	
10 PERCENT EXCEEDS	64		59		66	
50 PERCENT EXCEEDS	23		24		26	
90 PERCENT EXCEEDS	13		11		12	

a Backwater from Chattahoochee River

APALACHICOLA RIVER BASIN

02337160 DEEP CREEK AT STATE HIGHWAY 70 NEAR TELL, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	39	29	27	---	---	---	---	---	---	---	---
2	20	26	26	26	---	---	---	---	---	---	---	---
3	18	22	27	26	---	---	---	---	---	---	---	---
4	16	20	39	26	---	---	---	---	---	---	---	---
5	15	19	30	26	---	---	---	---	---	---	---	---
6	15	23	26	28	---	---	---	---	---	---	---	---
7	14	22	25	e120	---	---	---	---	---	---	---	---
8	13	20	25	e110	---	---	---	---	---	---	---	---
9	12	20	30	54	---	---	---	---	---	---	---	---
10	12	19	31	43	---	---	---	---	---	---	---	---
11	12	18	29	38	---	---	---	---	---	---	---	---
12	11	20	28	36	---	---	---	---	---	---	---	---
13	11	33	28	---	---	---	---	---	---	---	---	---
14	11	33	32	---	---	---	---	---	---	---	---	---
15	11	27	32	---	---	---	---	---	---	---	---	---
16	11	26	30	---	---	---	---	---	---	---	---	---
17	12	23	29	---	---	---	---	---	---	---	---	---
18	10	22	29	---	---	---	---	---	---	---	---	---
19	10	22	28	---	---	---	---	---	---	---	---	---
20	11	22	29	---	---	---	---	---	---	---	---	---
21	11	130	28	---	---	---	---	---	---	---	---	---
22	16	307	68	---	---	---	---	---	---	---	---	---
23	12	62	45	---	---	---	---	---	---	---	---	---
24	17	41	390	---	---	---	---	---	---	---	---	---
25	33	33	150	---	---	---	---	---	---	---	---	---
26	e220	29	57	---	---	---	---	---	---	---	---	---
27	e65	26	60	---	---	---	---	---	---	---	---	---
28	37	24	42	---	---	---	---	---	---	---	---	---
29	27	28	37	---	---	---	---	---	---	---	---	---
30	23	36	33	---	---	---	---	---	---	---	---	---
31	22	---	30	---	---	---	---	---	---	---	---	---
TOTAL	752	1192	1522	---	---	---	---	---	---	---	---	---
MEAN	24.3	39.7	49.1	---	---	---	---	---	---	---	---	---
MAX	220	307	390	---	---	---	---	---	---	---	---	---
MIN	10	18	25	---	---	---	---	---	---	---	---	---
CFSM	.88	1.44	1.79	---	---	---	---	---	---	---	---	---
IN.	1.02	1.61	2.06	---	---	---	---	---	---	---	---	---

e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	40.3	47.4	38.7	76.5	94.2	86.0	36.5	27.9	27.3	23.5	13.5	25.5
MAX	82.2	79.7	49.1	95.7	107	113	36.9	29.6	34.5	29.4	15.5	28.6
(WY)	1996	1996	1998	1996	1996	1996	1997	1996	1997	1997	1996	1997
MIN	14.3	22.7	32.0	57.3	81.1	59.1	36.0	26.3	20.0	17.7	11.5	22.4
(WY)	1997	1997	1997	1997	1997	1997	1996	1997	1996	1996	1997	1996

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 1997 TO JAN 1998		WATER YEARS 1995 - 1998	
ANNUAL TOTAL	14428.2					
ANNUAL MEAN	39.5				45.1	
HIGHEST ANNUAL MEAN					54.4	1996
LOWEST ANNUAL MEAN					35.8	1997
HIGHEST DAILY MEAN	700	Feb 28	390	Dec 24	1200	Mar7 1996
LOWEST DAILY MEAN	5.9	Sep 22	10	Oct 18,19	5.9	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	6.4	Sep 16			6.4	Sep 16 1997
INSTANTANEOUS PEAK FLOW			823	Nov 21	unknown	Mar 7 1995
INSTANTANEOUS PEAK STAGE			9.47	Nov 21	a14.08	Oct 5 1995
INSTANTANEOUS LOW FLOW			9.6	Oct 20	5.5	Sep 8,22 1997
ANNUAL RUNOFF (CFSM)	1.44				1.64	
ANNUAL RUNOFF	19.52				22.28	
10 PERCENT EXCEEDS	65				65	
50 PERCENT EXCEEDS	26				26	
90 PERCENT EXCEEDS	10				12	

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 mi^2.

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2690	2020	6840	1730	2700	22100	2500	5350	6150	4450	3710	1420
2	2540	4430	6210	1970	2050	14200	3090	4760	4460	4000	2370	2600
3	2420	2140	3120	1680	2440	7990	3060	8680	3750	3480	1760	2970
4	2880	1750	2060	1700	6100	6640	3000	8720	2630	3570	1700	3120
5	2820	1670	2140	2860	4900	7780	2410	4250	3810	3220	1600	3280
6	1840	2310	1990	2860	3960	8240	3860	4510	3900	2100	2220	2870
7	1510	1970	1830	2830	3330	7250	3900	4070	3680	1850	2220	1490
8	2650	7740	1790	3100	6600	6990	3590	4430	2290	2130	2400	1340
9	3200	5040	1610	11500	3820	4830	3950	4840	2010	2800	2380	2870
10	2880	2170	1580	8010	2780	4950	3880	5210	2660	2480	1830	3750
11	2860	1810	1610	4480	3580	4390	3840	2010	2890	2610	1730	4510
12	2610	1970	1770	2710	3290	4440	4490	1810	3430	2650	3100	3410
13	1610	1720	3960	2070	6170	4310	2880	3280	2990	1900	3530	3200
14	1430	2140	2360	1930	7190	8340	2100	3640	6240	2090	3620	1550
15	1640	1600	1830	2150	9080	6630	2850	4020	6220	1860	3250	1240
16	1850	1840	1650	6380	4870	3980	3840	3890	2960	2440	3420	2950
17	2000	1520	2260	4210	3210	2750	4040	3340	5790	3420	1750	3610
18	2410	1490	2250	3070	3490	6580	3830	1800	7910	2900	1570	3590
19	2230	2250	2140	2070	4000	7620	4200	1690	5940	2690	2810	3710
20	1550	1970	2620	2030	3730	6890	2350	3050	5560	1820	3000	3140
21	1470	1720	2230	2100	4140	7030	1990	3880	5410	1620	3400	1510
22	1810	2210	1680	2350	5700	6490	3680	2780	3670	2690	2760	1210
23	2100	2020	1610	2510	3300	2940	6670	2240	3570	12500	2480	3170
24	2020	1690	1690	2710	2780	2230	5090	2340	4810	13800	1500	3750
25	1570	1540	1860	6080	3710	5590	3900	2310	4530	7010	1450	11700
26	1960	2970	1610	4020	3590	5590	3790	2000	5170	3850	1790	14700
27	1620	2340	2440	2780	4690	5510	2830	3380	5590	2200	2620	5610
28	1530	2070	2850	4790	17600	5490	11000	3620	4960	1900	2740	6990
29	1520	1780	1860	4410	---	4740	11100	3670	3200	1950	2630	5730
30	2020	1940	1710	3240	---	2570	5690	4920	3300	2630	3220	3580
31	2030	---	1640	3250	---	2110	---	4620	---	3450	1570	---
TOTAL	65270	69830	72800	107580	132800	197190	123400	119110	129480	108060	76130	114570
MEAN	2105	2328	2348	3470	4743	6361	4113	3842	4316	3486	2456	3819
MAX	3200	7740	6840	11500	17600	22100	11100	8720	7910	13800	3710	14700
MIN	1430	1490	1580	1680	2050	2110	1990	1690	2010	1620	1450	1210

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2937	2957	3048	4233	4560	5018	4660	3882	3117	2984	3273	3009
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1965 - 1997	
ANNUAL TOTAL	1553900		1316220			
ANNUAL MEAN	4246	†4082	3606	†3650	3640	
HIGHEST ANNUAL MEAN					5240	1990
LOWEST ANNUAL MEAN					1879	1988
HIGHEST DAILY MEAN	23600	Feb 3	22100	Mar 1	36900	Apr 14 1979
LOWEST DAILY MEAN	1420	Jul 8	1210	Sep 22	1000	Jul 1 1970
ANNUAL SEVEN-DAY MINIMUM	1740	Dec 6	1740	Dec 6	1110	Oct 3 1986
INSTANTANEOUS PEAK FLOW			23300	Mar 1	39200	Mar 17 1990
INSTANTANEOUS PEAK STAGE			20.43	Mar 1	25.74	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.06	†1.98	1.75	†1.77	1.77	
ANNUAL RUNOFF (INCHES)	28.06	†26.91	23.77	†24.06	24.01	
10 PERCENT EXCEEDS	9390		6300		6910	
50 PERCENT EXCEEDS	2970		2890		2720	
90 PERCENT EXCEEDS	1680		1680		1550	

† 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. Daily records of Specific Conductance, pH, Water Temperature and Dissolved Oxygen 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, 176 microsiemens Nov. 6; minimum, 47 microsiemens Feb. 28, Mar. 1.
pH: Maximum recorded, 7.3 units, on several days during Dec. Aug. and Sept.; minimum recorded, 6.5 units July 24, Sept. 28.
WATER TEMPERATURE: Maximum recorded, 30.5°C, July 29; minimum, 5.0°C, Jan. 18.
DISSOLVED OXYGEN: Maximum, 11.8 mg/L, Jan. 21; minimum recorded, 5.0 mg/L, July 22.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT									
17...	1236	1940	135	135	7.3	7.1	19.5	26.0	8.4
NOV									
14...	1310	2160	--	--	--	7.1	12.5	20.0	10.0
DEC									
12...	1400	1630	137	139	7.3	6.9	14.5	25.0	9.2
JAN									
09...	1110	13600	67	66	--	6.8	6.5	--	10.7
FEB									
12...	0845	3630	106	100	7.1	6.9	9.5	0.0	10.8
MAR									
12...	0830	4960	89	84	7.2	6.9	14.5	12.0	9.0
APR									
09...	0920	4010	91	88	7.1	7.1	15.5	11.0	8.9
MAY									
22...	0910	2800	91	92	--	7.1	16.0	15.5	9.3
JUN									
19...	0850	5320	78	82	--	6.9	19.0	22.0	7.9
JUL									
17...	0820	4250	97	99	7.1	7.0	25.0	23.0	7.2
AUG									
14...	0845	3540	84	87	7.3	7.0	20.0	23.5	7.7
SEP									
11...	0935	4480	79	83	7.0	7.0	18.5	18.0	7.4

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

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

DATE	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT					
17...	7.0	6	1.4	26	11
NOV					
14...	13	9	1.2	17	20
DEC					
12...	7.0	9	2.0	28	10
JAN					
09...	110	40	5.2	18	272
FEB					
12...	14	14	4.0	24	22
MAR					
12...	11	10	2.1	24	22
APR					
09...	9.0	8	1.6	22	--
MAY					
22...	6.0	10	<1.0	20	10
JUN					
19...	100	18	1.7	19	104
JUL					
17...	33	18	2.1	21	89
AUG					
14...	40	11	1.7	23	58
SEP					
11...	76	18	2.3	18	127

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT							
17...	2.03	.180	.42	.60	2.6	.100	2.0
NOV							
14...	1.44	.170	.43	.60	2.0	.080	2.0
DEC							
12...	1.53	.260	.54	.80	2.3	.080	3.0
JAN							
09...	.500	.260	1.2	1.5	2.0	.310	5.0
FEB							
12...	.990	.500	.30	.80	1.8	.110	3.0
MAR							
12...	.710	.580	.22	.80	1.5	.060	2.0
APR							
09...	.900	.240	.26	.50	1.4	.050	2.0
MAY							
22...	1.14	.110	.29	.40	1.5	.040	2.0
JUN							
19...	.820	.140	.56	.70	1.5	.150	4.0
JUL							
17...	1.42	.220	.58	.80	2.2	.130	3.0
AUG							
14...	1.02	.140	.46	.60	1.6	.100	2.0
SEP							
11...	1.01	.170	.63	.80	1.8	.160	3.0

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)
OCT			
17...	1236	1940	490
NOV			
14...	1310	2160	170
DEC			
12...	1400	1630	230
JAN			
09...	1110	13600	17000
FEB			
12...	0845	3630	1100
MAR			
12...	0830	4960	490
APR			
09...	0920	4010	700
MAY			
22...	0910	2800	230
JUN			
19...	0850	5320	3100
JUL			
17...	0820	4250	7000
AUG			
14...	0845	3540	35000
SEP			
11...	0935	4480	13000

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, 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	132	107	143	116	133	67	168	144	137	99	54	47
2	131	96	136	95	88	67	144	121	143	123	66	54
3	157	103	135	98	112	88	147	128	140	110	87	66
4	135	107	149	135	133	112	160	145	135	84	94	83
5	119	103	164	143	136	119	153	104	108	88	90	67
6	141	102	176	116	151	125	109	102	104	91	90	67
7	155	141	156	115	153	128	134	109	113	95	79	70
8	163	112	150	71	155	138	116	101	127	77	88	67
9	112	90	102	77	158	137	111	58	100	82	101	77
10	112	91	130	102	163	144	82	68	123	100	104	78
11	117	93	146	130	171	155	104	82	130	100	103	91
12	117	92	150	127	162	143	121	94	133	102	102	88
13	140	117	165	131	144	93	128	120	116	80	108	92
14	153	136	164	142	125	103	144	128	85	74	100	70
15	167	143	163	133	135	119	153	131	83	71	86	80
16	149	133	153	130	156	135	132	75	103	77	114	80
17	146	127	156	143	156	121	102	84	120	103	132	114
18	132	113	159	147	138	117	117	99	121	112	132	67
19	130	114	159	125	145	121	136	112	119	96	79	66
20	153	130	140	119	150	114	138	127	117	94	80	69
21	161	148	154	138	128	112	146	127	119	92	78	64
22	167	136	155	122	141	117	145	120	116	83	82	67
23	140	117	143	123	152	140	153	109	116	93	120	82
24	163	110	148	137	158	143	152	114	130	116	132	120
25	162	134	163	144	168	140	134	79	119	106	137	72
26	163	117	151	109	145	138	98	84	124	101	86	78
27	170	139	133	112	153	105	117	97	121	85	87	79
28	161	145	152	119	140	92	120	89	85	47	87	77
29	174	156	154	115	136	111	106	87	---	---	91	83
30	172	129	145	115	145	130	118	103	---	---	125	89
31	143	125	---	---	157	139	119	99	---	---	131	124
MONTH	174	90	176	71	171	67	168	58	143	47	137	47

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	145	122	---	---	99	68	---	---	112	88	149	136
2	134	104	---	---	90	81	100	91	128	112	138	97
3	122	101	---	---	109	90	110	93	148	128	108	86
4	124	102	---	---	132	106	110	89	149	136	107	85
5	139	110	103	78	143	95	102	83	169	143	110	83
6	140	102	108	87	111	90	124	100	172	115	104	87
7	116	92	99	87	113	87	140	123	136	109	138	101
8	116	102	98	83	127	113	150	133	151	111	156	138
9	107	90	92	79	135	118	135	102	138	108	149	90
10	102	92	88	69	151	114	---	---	146	127	100	75
11	107	89	131	88	126	108	---	---	149	134	103	80
12	109	95	137	126	122	103	---	---	153	94	100	85
13	116	93	149	96	---	---	---	---	106	87	105	85
14	131	116	103	88	---	---	135	128	115	88	138	91
15	143	111	105	86	---	---	160	132	112	91	158	136
16	129	90	101	87	---	---	162	110	114	92	156	85
17	---	86	114	85	---	---	129	89	142	103	92	77
18	---	---	143	98	---	---	124	96	153	139	94	76
19	---	---	150	136	---	---	139	100	149	108	93	75
20	---	---	157	96	---	---	152	134	123	97	102	80
21	---	---	99	86	---	---	166	143	117	94	142	92
22	---	---	116	97	---	---	169	106	116	96	162	138
23	---	---	139	102	---	---	109	51	124	98	159	80
24	---	---	156	115	---	---	66	51	151	107	112	76
25	---	---	137	114	---	---	84	66	154	140	103	49
26	---	---	136	120	---	---	109	84	162	130	67	49
27	---	---	136	105	---	---	127	109	138	98	90	67
28	---	---	111	90	---	---	142	125	117	97	111	63
29	---	---	111	92	---	---	158	136	120	95	92	68
30	---	---	108	87	---	---	151	111	118	81	124	90
31	---	---	93	80	---	---	128	102	137	91	---	---
MONTH	145	86	157	69	151	68	169	51	172	81	162	49
YEAR	176	47										

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	7.1	7.1	7.0	7.0	7.1	6.8	7.1	7.1	7.1	7.1	6.6	6.6
2	7.1	7.1	7.0	6.7	7.0	6.8	7.1	7.0	7.1	7.1	6.8	6.6
3	7.1	7.0	7.0	6.8	7.0	6.9	7.1	7.0	7.1	7.0	6.9	6.7
4	7.1	7.0	7.1	7.0	7.1	7.0	7.0	7.0	7.1	6.9	7.0	6.9
5	7.2	7.1	7.1	7.0	7.1	7.1	7.0	6.9	7.0	6.9	7.0	6.9
6	7.2	7.1	7.0	6.9	7.2	7.1	7.0	6.9	7.0	7.0	7.1	7.0
7	7.2	7.1	7.0	6.9	7.2	7.1	7.0	7.0	7.1	7.0	7.2	7.1
8	7.1	7.1	7.0	6.6	7.2	7.2	7.1	7.0	7.0	6.9	7.2	7.1
9	7.2	7.0	6.9	6.8	7.3	7.2	7.0	6.9	7.0	6.9	7.2	7.1
10	7.1	7.0	6.9	6.8	7.3	7.2	6.9	6.9	7.0	7.0	7.1	7.1
11	7.2	7.0	6.9	6.8	7.3	7.2	7.0	6.9	7.1	7.0	7.1	7.0
12	7.2	7.0	6.9	6.7	7.2	7.1	7.1	7.0	7.1	7.0	7.1	7.0
13	7.2	7.1	6.9	6.8	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.1
14	7.1	7.0	7.0	6.9	7.1	7.0	7.1	7.1	7.1	7.0	7.1	6.8
15	7.1	7.0	7.1	7.0	7.2	7.1	7.1	7.1	7.1	7.0	7.0	6.9
16	7.1	7.0	7.1	7.0	7.2	7.1	7.1	6.8	7.1	7.0	7.1	6.9
17	7.2	7.0	7.1	7.0	7.2	7.2	7.0	6.9	7.1	7.1	7.1	7.0
18	7.0	6.9	7.0	7.0	7.2	7.2	7.0	6.9	7.1	7.1	7.1	6.9
19	7.1	6.9	7.0	6.9	7.2	7.2	7.0	6.9	7.1	7.1	7.0	6.9
20	7.2	7.1	7.0	6.9	7.3	7.2	7.0	6.9	7.1	7.0	7.0	6.9
21	7.2	7.1	6.9	6.9	7.3	7.2	7.1	7.0	7.1	7.0	7.0	6.9
22	7.1	6.9	6.9	6.9	7.2	7.2	7.1	7.0	7.1	6.9	7.0	6.9
23	7.1	6.9	7.0	6.9	7.2	7.2	7.0	7.0	7.1	7.0	7.1	6.9
24	7.0	6.9	7.0	6.9	7.2	7.2	7.1	7.0	7.1	7.1	7.1	7.0
25	7.0	7.0	7.0	6.9	7.3	7.2	7.1	7.0	7.1	7.1	7.1	7.0
26	7.0	7.0	6.9	6.8	7.3	7.2	7.1	7.0	7.1	7.1	7.1	7.0
27	7.1	7.0	7.0	6.9	7.2	7.1	7.1	7.1	7.1	6.8	7.1	7.0
28	7.1	7.0	7.1	7.0	7.2	7.1	7.1	7.0	6.8	6.6	7.1	7.0
29	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.0	—	—	7.0	6.9
30	7.0	6.9	7.1	7.1	7.1	7.0	7.1	7.1	—	—	7.0	6.9
31	7.0	6.9	—	—	7.1	7.0	7.1	7.1	—	—	7.0	6.9
MONTH	7.2	6.9	7.1	6.6	7.3	6.8	7.1	6.8	7.1	6.6	7.2	6.6

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	6.9	---	---	7.1	6.9	---	---	7.1	7.0	7.1	7.0
2	7.0	6.9	---	---	7.0	6.9	7.0	6.9	7.1	7.0	7.1	7.0
3	7.0	6.9	---	---	7.0	7.0	7.1	7.0	7.1	7.0	7.0	6.9
4	7.1	6.9	---	---	7.0	7.0	7.1	7.0	7.2	7.0	7.0	6.9
5	7.0	6.9	7.0	6.9	7.1	7.0	7.1	7.1	7.1	7.0	7.1	7.0
6	6.9	6.8	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0	7.1	7.0
7	6.9	6.8	7.1	7.0	7.1	7.1	7.1	7.1	7.1	7.0	7.2	7.1
8	7.0	6.9	7.1	7.0	7.1	7.1	7.1	7.0	7.2	7.0	7.1	7.1
9	7.2	7.0	7.1	7.1	7.1	7.1	7.2	7.0	7.2	7.1	7.1	7.0
10	7.2	7.1	7.2	7.1	7.1	7.1	---	---	7.2	7.2	7.3	6.9
11	7.2	7.1	7.2	7.1	7.1	7.0	---	---	7.2	7.1	7.3	6.8
12	7.2	7.1	7.2	7.1	7.1	7.0	---	---	7.2	7.0	7.0	6.9
13	7.1	7.1	7.1	7.1	---	---	---	---	7.1	7.0	7.1	6.9
14	7.2	7.1	7.2	7.1	---	---	7.1	6.9	7.1	7.0	7.1	7.0
15	7.2	7.1	7.2	7.1	---	---	7.1	7.0	7.1	7.0	7.1	7.0
16	7.2	7.1	7.2	7.1	---	---	7.1	6.9	7.1	6.9	7.0	6.9
17	7.2	---	7.2	7.0	---	---	7.1	6.9	7.1	7.0	7.0	6.8
18	---	---	7.2	7.0	---	---	7.1	7.0	7.0	7.0	7.0	6.8
19	---	---	7.2	7.1	---	---	7.1	7.0	7.1	7.0	6.9	6.8
20	---	---	7.1	7.1	---	---	7.1	7.0	7.1	7.0	6.9	6.8
21	---	---	7.2	7.1	---	---	7.0	6.9	7.1	7.0	7.0	6.9
22	---	---	7.2	7.1	---	---	7.0	6.8	7.2	7.1	7.0	6.9
23	---	---	7.2	7.1	---	---	6.9	6.6	7.2	7.1	7.1	7.0
24	---	---	7.1	7.1	---	---	6.7	6.5	7.3	7.2	7.1	6.9
25	---	---	7.1	7.0	---	---	6.8	6.7	7.2	7.1	7.1	6.6
26	---	---	7.1	7.0	---	---	6.9	6.8	7.2	7.1	6.7	6.6
27	---	---	7.1	7.0	---	---	6.9	6.8	7.2	7.1	6.8	6.6
28	---	---	7.1	7.0	---	---	7.0	6.9	7.2	7.0	6.9	6.5
29	---	---	7.1	7.1	---	---	7.1	7.0	7.2	7.0	6.9	6.8
30	---	---	7.1	7.0	---	---	7.1	7.0	7.1	7.0	7.0	6.9
31	---	---	7.1	7.0	---	---	7.1	7.0	7.1	7.0	---	---
MONTH	7.2	6.8	7.2	6.9	7.1	6.9	7.2	6.5	7.3	6.9	7.3	6.5
YEAR	7.3	6.5										

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, 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	21.0	18.5	17.0	16.5	13.0	11.5	16.0	15.5	11.5	10.0	15.5	14.5
2	20.0	16.5	16.5	14.5	12.5	12.0	15.5	15.0	12.5	11.5	16.5	15.5
3	21.0	18.5	14.5	13.5	12.0	11.5	17.0	15.0	14.0	12.5	17.5	16.5
4	21.0	19.0	13.5	12.5	12.5	12.0	17.0	16.0	14.0	12.5	17.5	16.5
5	20.0	17.0	14.0	12.5	13.0	11.5	17.0	15.0	13.5	12.5	16.5	13.0
6	17.0	16.5	14.0	13.5	13.0	11.5	15.0	14.0	12.5	11.5	13.5	12.0
7	17.5	17.0	16.0	14.0	14.5	12.5	14.5	12.0	13.0	11.0	12.0	11.5
8	18.5	16.5	17.5	16.0	12.5	11.0	12.0	9.5	13.0	11.0	12.5	11.5
9	18.5	16.5	16.0	13.5	11.5	10.5	10.0	6.5	11.0	10.5	14.5	12.0
10	18.0	16.0	14.0	11.0	12.5	11.0	8.0	6.5	11.5	10.5	14.5	13.5
11	17.5	14.5	13.0	10.0	14.0	12.0	7.5	6.5	11.5	9.0	15.5	14.0
12	16.0	14.5	13.5	8.5	15.0	13.0	7.5	6.5	10.5	8.5	15.5	14.0
13	17.0	15.5	14.0	10.5	15.5	13.5	8.0	7.0	10.0	7.5	15.5	14.5
14	18.0	15.5	15.5	11.0	14.5	13.0	9.0	8.0	8.0	7.5	15.5	14.5
15	20.0	18.0	12.5	10.5	13.5	12.0	9.5	8.5	8.5	7.0	15.5	13.0
16	19.0	17.5	12.0	10.0	13.5	12.0	10.0	8.0	10.0	8.0	13.5	12.5
17	19.0	18.5	13.0	12.0	13.5	11.5	8.0	6.0	11.0	9.0	15.5	12.5
18	19.0	17.0	13.5	12.5	11.5	10.0	6.5	5.0	12.0	10.5	15.0	12.5
19	17.0	15.0	14.0	13.5	11.0	9.0	7.5	5.5	12.0	10.5	13.0	12.5
20	15.5	14.0	14.5	13.5	9.5	7.5	8.5	6.5	14.0	11.5	13.0	12.5
21	16.5	14.5	15.5	14.5	8.0	6.5	9.5	7.5	14.5	13.0	13.5	12.5
22	17.5	16.0	15.5	13.5	9.5	8.0	10.5	9.5	14.5	13.0	13.5	13.0
23	16.5	16.0	13.5	12.5	10.5	8.5	12.0	10.5	13.0	12.5	16.0	13.5
24	16.5	16.0	14.5	13.0	11.0	10.0	13.5	12.0	13.0	12.0	17.5	15.0
25	17.0	16.0	15.5	14.0	10.5	9.5	13.0	11.0	13.0	11.5	17.5	13.0
26	16.0	15.5	16.0	13.0	10.0	9.0	11.0	10.5	13.0	11.0	14.5	13.0
27	17.0	15.5	14.0	12.0	11.0	9.0	12.0	10.0	13.5	11.5	14.5	13.0
28	17.5	16.5	13.0	11.5	11.5	10.0	12.5	11.0	15.0	13.5	14.0	13.0
29	19.0	17.5	12.0	10.5	13.5	11.5	11.0	10.0	---	---	15.5	13.5
30	19.0	18.0	12.0	11.0	14.5	13.5	11.0	10.0	---	---	18.0	15.0
31	18.0	17.0	---	---	16.0	14.5	11.0	9.0	---	---	18.5	17.5
MONTH	21.0	14.0	17.5	8.5	16.0	6.5	17.0	5.0	15.0	7.0	18.5	11.5

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	16.5	---	---	19.0	17.5	---	---	23.0	20.0	26.0	24.5
2	17.0	14.5	---	---	20.0	19.0	23.0	21.0	24.5	23.0	26.0	23.5
3	17.0	14.5	---	---	20.5	19.5	25.0	21.5	26.0	24.5	23.5	21.5
4	18.0	15.0	---	---	20.5	19.5	24.5	21.5	27.5	24.5	22.0	20.5
5	19.5	16.5	18.0	16.5	21.0	17.5	24.0	21.0	29.5	27.5	20.5	19.0
6	20.0	19.0	18.0	16.5	17.5	15.0	25.0	23.5	29.0	25.0	20.0	18.5
7	19.5	18.5	18.0	15.5	17.0	15.0	26.0	24.0	25.0	23.0	23.0	20.0
8	19.0	17.0	18.0	16.0	18.0	16.5	27.0	25.0	24.5	22.5	25.5	23.0
9	17.0	15.0	18.0	16.0	19.5	17.5	26.0	22.0	24.0	21.0	25.5	21.0
10	16.0	14.5	16.0	15.0	20.5	19.5	---	---	23.0	21.5	21.0	18.5
11	16.0	14.5	18.5	15.5	20.0	18.5	---	---	24.5	22.5	20.0	18.0
12	17.0	15.5	19.5	17.0	20.0	18.5	---	---	25.0	21.5	21.0	18.5
13	16.5	16.0	19.0	17.5	---	---	---	---	21.5	20.5	21.0	19.0
14	17.5	16.0	18.0	15.5	---	---	27.0	25.5	22.5	20.0	23.5	19.5
15	17.0	15.5	18.5	16.5	---	---	29.5	27.0	24.0	21.0	26.0	22.5
16	17.0	14.5	17.5	16.0	---	---	29.0	25.5	24.5	22.0	25.5	20.0
17	---	14.0	17.5	16.0	---	---	26.0	23.0	27.5	24.5	21.5	19.5
18	---	---	21.0	17.0	---	---	25.5	22.0	29.0	27.0	21.0	20.0
19	---	---	23.0	20.5	---	---	26.0	23.0	29.0	26.0	20.5	19.5
20	---	---	23.0	19.5	---	---	29.0	26.0	26.0	22.5	22.5	20.0
21	---	---	19.5	17.0	---	---	30.0	26.5	24.5	22.0	25.0	21.0
22	---	---	19.5	16.0	---	---	29.5	26.5	24.0	21.0	25.0	24.0
23	---	---	19.5	18.5	---	---	26.5	23.0	23.5	21.0	24.5	18.0
24	---	---	21.5	19.5	---	---	25.0	23.0	26.0	22.0	19.0	17.5
25	---	---	21.0	20.0	---	---	26.0	25.0	26.0	23.5	18.5	17.0
26	---	---	22.0	20.5	---	---	26.0	23.5	27.0	24.5	19.5	18.0
27	---	---	22.5	20.0	---	---	27.0	25.5	24.5	21.5	20.5	19.5
28	---	---	20.0	16.5	---	---	29.0	27.0	23.0	20.0	21.0	20.0
29	---	---	18.0	15.0	---	---	30.5	28.5	23.5	21.0	21.5	20.0
30	---	---	17.5	15.5	---	---	30.0	25.5	23.5	20.5	22.0	20.0
31	---	---	17.5	16.0	---	---	25.5	22.0	25.5	21.0	---	---
MONTH	20.0	14.0	23.0	15.0	21.0	15.0	30.5	21.0	29.5	20.0	26.0	17.0
YEAR	30.5	5.0										

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN DISSOLVED (MG/L), 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	7.8	7.3	8.0	7.7	9.3	8.3	7.9	7.7	10.0	9.4	8.5	7.6
2	8.3	7.6	7.8	5.4	9.2	8.6	8.3	7.9	9.4	8.9	8.4	8.1
3	8.1	7.4	8.5	7.4	9.4	9.1	8.0	7.6	9.1	8.7	8.3	7.7
4	7.7	7.4	8.8	8.4	9.2	9.0	7.8	7.5	9.3	8.4	8.2	7.6
5	8.1	7.5	8.8	8.4	9.3	9.0	7.8	7.3	9.2	8.5	9.3	8.1
6	8.1	7.6	9.1	8.4	9.2	9.0	8.3	7.5	9.5	9.2	9.1	8.1
7	7.8	7.6	8.6	7.9	9.0	8.7	8.5	8.2	9.7	9.1	9.4	8.9
8	8.8	7.6	7.9	6.4	9.1	8.5	9.1	8.5	9.6	9.0	9.3	8.9
9	8.9	7.9	8.1	7.3	9.2	9.1	9.8	9.0	9.7	9.4	9.0	8.3
10	8.6	8.0	---	---	9.2	9.0	10.0	9.7	9.5	9.1	8.7	8.4
11	9.2	8.4	---	---	9.1	8.9	10.3	9.9	10.1	8.9	8.4	7.9
12	9.3	8.4	---	---	8.9	8.2	10.4	10.1	10.2	9.3	8.4	8.1
13	8.7	8.2	---	---	8.7	7.9	10.4	10.2	11.1	9.9	8.3	8.0
14	8.5	7.8	---	---	8.9	8.5	10.4	10.2	10.9	10.6	8.2	7.1
15	7.8	7.5	---	---	9.0	8.7	11.0	10.3	11.0	10.7	8.8	7.8
16	8.1	7.6	---	---	8.9	8.5	10.4	9.8	10.8	9.9	8.9	8.4
17	8.1	7.8	10.1	9.6	8.9	8.5	10.8	10.0	9.9	9.5	8.5	8.0
18	8.2	7.8	9.8	9.4	9.3	8.9	11.4	10.7	9.6	9.3	9.4	8.1
19	8.3	7.8	9.4	8.3	9.6	9.1	11.1	10.6	9.6	9.1	9.3	8.8
20	8.7	8.2	9.3	8.7	10.5	9.5	11.6	10.8	9.4	8.4	9.3	8.8
21	8.5	8.1	8.7	8.2	10.5	10.1	11.8	11.2	9.0	8.2	9.3	8.9
22	8.1	7.8	8.4	7.6	10.2	9.5	11.2	10.7	8.5	7.4	9.2	8.7
23	8.5	7.8	9.1	8.4	9.8	9.4	10.7	9.7	8.5	8.1	9.1	7.7
24	8.2	7.5	9.0	8.6	9.4	8.9	9.7	8.6	8.7	8.2	7.8	7.4
25	7.8	7.6	8.7	8.3	9.2	8.8	9.6	8.3	8.9	8.5	9.1	7.5
26	8.6	7.8	8.3	7.4	9.4	9.2	9.9	9.3	8.9	8.2	9.1	8.7
27	8.0	7.7	9.1	8.3	9.6	9.0	9.9	9.4	8.8	7.9	9.0	8.7
28	7.8	7.4	9.5	8.9	9.5	9.1	9.6	9.1	8.0	7.6	9.1	8.7
29	7.4	7.0	9.8	9.2	9.2	8.6	9.9	9.4	---	---	8.7	8.5
30	7.7	7.0	9.7	9.3	8.6	8.3	9.8	9.6	---	---	8.6	7.5
31	7.8	7.4	---	---	8.3	7.8	10.2	9.7	---	---	7.6	7.5
MONTH	9.3	7.0	10.1	5.4	10.5	7.8	11.8	7.3	11.1	7.4	9.4	7.1

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.8	7.4	---	---	8.1	6.8	---	---	8.1	6.4	7.3	7.1
2	8.5	7.7	---	---	7.7	7.2	8.1	6.8	7.5	7.1	7.7	7.1
3	8.8	8.0	---	---	7.3	7.0	8.1	7.5	7.1	6.7	8.1	7.6
4	8.8	8.0	---	---	7.1	6.6	8.3	7.5	7.0	6.5	8.2	7.7
5	8.5	7.2	8.0	7.8	7.6	6.5	8.6	7.7	6.5	5.8	8.4	7.9
6	7.2	6.0	8.3	7.7	8.4	7.6	7.9	7.3	7.0	5.9	8.5	8.0
7	7.7	6.9	8.4	8.0	8.3	7.6	7.4	7.0	7.3	7.0	8.0	7.5
8	8.3	7.5	8.6	8.1	7.6	7.5	7.1	6.9	7.2	5.6	7.5	7.1
9	8.8	8.3	8.6	8.1	7.6	7.1	8.3	7.1	7.4	7.0	7.9	7.1
10	9.1	8.7	8.8	8.2	7.5	7.0	---	---	7.4	7.0	8.3	7.9
11	9.2	8.7	8.6	7.7	7.7	7.3	---	---	7.3	6.9	8.2	7.0
12	8.8	8.0	7.7	7.2	7.7	7.3	---	---	7.8	6.9	8.0	7.6
13	8.2	7.9	8.1	7.1	---	---	---	---	7.9	7.7	8.8	7.8
14	7.9	7.6	8.6	8.0	---	---	6.9	6.7	7.7	7.0	8.7	8.1
15	8.6	7.8	8.5	8.0	---	---	6.7	5.9	7.7	7.1	8.2	7.4
16	8.9	8.1	8.7	8.2	---	---	6.9	5.9	7.5	7.0	9.0	7.4
17	9.2	---	8.7	8.3	---	---	7.5	6.8	7.2	6.5	8.9	8.3
18	---	---	8.3	7.6	---	---	7.9	6.8	6.5	5.9	8.8	8.3
19	---	---	7.7	6.9	---	---	7.6	6.7	7.0	6.1	8.9	8.4
20	---	---	8.1	6.9	---	---	6.9	6.5	7.6	7.0	8.6	7.8
21	---	---	8.6	8.1	---	---	6.7	6.3	7.3	6.9	8.0	6.7
22	---	---	8.8	8.1	---	---	6.8	5.0	7.9	7.3	7.1	6.3
23	---	---	8.4	7.4	---	---	7.0	5.9	8.0	7.4	7.9	6.3
24	---	---	7.9	7.3	---	---	7.0	6.2	7.7	7.0	7.9	6.8
25	---	---	7.9	7.0	---	---	7.2	6.8	7.2	6.9	8.3	6.8
26	---	---	7.3	6.9	---	---	7.4	6.9	7.3	6.7	8.2	7.3
27	---	---	7.4	6.8	---	---	7.0	6.6	8.0	7.3	7.7	7.0
28	---	---	7.8	6.8	---	---	6.6	6.4	8.2	7.6	7.7	6.7
29	---	---	8.4	7.7	---	---	6.4	5.8	8.1	7.6	7.7	7.2
30	---	---	8.1	7.5	---	---	7.2	5.9	8.2	7.6	7.5	7.2
31	---	---	8.3	7.6	---	---	7.6	6.6	7.9	7.3	---	---
MONTH	9.2	6.0	8.8	6.8	8.4	6.5	8.6	5.0	8.2	5.6	9.0	6.3
YEAR	11.8	5.0										

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 mi^2.
PERIOD OF RECORD.--April 1995 to January 1998 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is about 715 ft above sea level (from USGS topographic map).
REMARKS.--Records good to fair. Return flow above station regulated by City of Palmetto.

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	18	12	133	26	43	973	26	55	63	74	25	7.9
2	18	36	83	28	38	226	26	43	31	44	17	7.7
3	18	18	47	22	36	149	26	76	30	29	15	7.7
4	15	15	34	22	38	102	26	57	25	24	14	7.3
5	15	15	35	71	38	73	27	40	22	21	13	7.1
6	14	18	33	43	27	74	56	32	21	19	13	6.8
7	15	19	37	49	27	44	38	28	23	18	12	6.5
8	18	97	21	66	100	37	32	25	22	19	12	6.5
9	14	40	19	474	65	34	30	26	20	17	12	6.5
10	13	25	20	156	47	32	27	27	18	16	13	12
11	13	19	25	90	38	30	26	22	17	15	14	14
12	13	17	27	65	32	25	40	21	18	14	12	9.1
13	13	17	36	51	125	29	31	20	19	15	13	8.0
14	13	20	21	42	143	158	25	19	54	14	14	7.4
15	13	15	20	46	215	74	24	18	42	13	17	7.2
16	13	14	21	108	114	43	23	17	25	13	13	7.0
17	13	15	28	59	83	36	22	17	82	13	12	6.8
18	13	20	22	41	75	35	20	16	106	13	12	6.9
19	13	28	21	37	70	35	20	16	62	12	17	7.0
20	12	17	19	33	66	33	20	16	39	12	12	6.6
21	12	19	19	30	78	31	19	16	31	11	13	6.3
22	14	16	20	32	79	28	24	15	27	13	11	6.1
23	13	15	27	34	57	26	57	15	24	100	10	6.3
24	12	15	33	55	49	26	29	16	21	41	9.6	6.9
25	12	23	23	85	44	26	23	21	23	23	9.5	89
26	13	27	20	52	43	28	23	18	24	18	9.3	49
27	14	19	38	38	110	27	56	27	39	16	9.1	16
28	15	17	38	117	1140	37	181	26	37	17	8.9	83
29	14	17	37	83	---	43	107	22	25	18	8.7	41
30	13	24	31	63	---	32	73	33	26	18	8.3	18
31	12	---	28	50	---	28	---	31	---	30	8.0	---
TOTAL	431	669	1016	2168	3020	2574	1157	831	1016	720	387.4	477.6
MEAN	13.9	22.3	32.8	69.9	108	83.0	38.6	26.8	33.9	23.2	12.5	15.9
MAX	18	97	133	474	1140	973	181	76	106	100	25	89
MIN	12	12	19	22	27	25	19	15	17	11	8.0	6.1
CFSM	.51	.81	1.19	2.54	3.92	3.02	1.40	.97	1.23	.84	.45	.58
IN.	.58	.90	1.37	2.93	4.09	3.48	1.57	1.12	1.37	.97	.52	.65

APALACHICOLA RIVER BASIN

02337320 BEAR CREEK AT STATE HIGHWAY 70 NEAR RICO, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	47.1	67.6	35.8	94.2	113	105	42.0	25.2	23.6	18.5	15.3	14.4
MAX	80.2	113	38.9	118	117	127	45.4	26.8	33.9	23.2	16.9	18.0
(WY)	1996	1996	1996	1996	1996	1996	1996	1997	1997	1997	1995	1996
MIN	13.9	22.3	32.8	69.9	108	83.0	38.6	23.8	16.7	13.4	12.5	9.16
(WY)	1997	1997	1997	1997	1997	1997	1997	1995	1996	1995	1997	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL TOTAL	17399.5		14467.0			
ANNUAL MEAN	47.5		39.6		50.4	
HIGHEST ANNUAL MEAN					61.1	1996
LOWEST ANNUAL MEAN					39.6	1997
HIGHEST DAILY MEAN	1390	Jan 27	1140	Feb 28	1390	Jan 27 1996
LOWEST DAILY MEAN	8.0	Jul 11	6.1	Sep 22	6.1	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	10	Jul 6	6.6	Sep 17	6.6	Sep 17 1997
INSTANTANEOUS PEAK FLOW			1770	Feb 28	1800	Mar 7 1996
INSTANTANEOUS PEAK STAGE			10.00	Feb 28	10.01	Mar 7 1996
INSTANTANEOUS LOW FLOW			5.9	Sep 22,23	5.7	Jul 26 1995
ANNUAL RUNOFF (CFSM)	1.73		1.44		1.83	
ANNUAL RUNOFF (INCHES)	23.54		19.57		24.89	
10 PERCENT EXCEEDS	64		74		66	
50 PERCENT EXCEEDS	21		23		23	
90 PERCENT EXCEEDS	13		12		11	

APALACHICOLA RIVER BASIN

02337320 BEAR CREEK AT STATE HIGHWAY 70 NEAR RICO, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	58	35	40	---	---	---	---	---	---	---	---
2	11	35	29	35	---	---	---	---	---	---	---	---
3	11	25	29	34	---	---	---	---	---	---	---	---
4	10	21	50	32	---	---	---	---	---	---	---	---
5	10	20	34	31	---	---	---	---	---	---	---	---
6	11	22	28	36	---	---	---	---	---	---	---	---
7	11	25	25	130	---	---	---	---	---	---	---	---
8	11	21	24	126	---	---	---	---	---	---	---	---
9	10	19	31	81	---	---	---	---	---	---	---	---
10	10	18	31	60	---	---	---	---	---	---	---	---
11	10	18	27	49	---	---	---	---	---	---	---	---
12	9.8	19	24	41	---	---	---	---	---	---	---	---
13	10	34	23	---	---	---	---	---	---	---	---	---
14	11	37	29	---	---	---	---	---	---	---	---	---
15	11	27	32	---	---	---	---	---	---	---	---	---
16	11	23	25	---	---	---	---	---	---	---	---	---
17	11	21	23	---	---	---	---	---	---	---	---	---
18	11	20	22	---	---	---	---	---	---	---	---	---
19	12	19	20	---	---	---	---	---	---	---	---	---
20	11	18	20	---	---	---	---	---	---	---	---	---
21	10	114	20	---	---	---	---	---	---	---	---	---
22	14	289	72	---	---	---	---	---	---	---	---	---
23	13	96	49	---	---	---	---	---	---	---	---	---
24	15	65	509	---	---	---	---	---	---	---	---	---
25	26	49	227	---	---	---	---	---	---	---	---	---
26	216	40	115	---	---	---	---	---	---	---	---	---
27	106	34	107	---	---	---	---	---	---	---	---	---
28	54	29	83	---	---	---	---	---	---	---	---	---
29	33	32	70	---	---	---	---	---	---	---	---	---
30	24	50	60	---	---	---	---	---	---	---	---	---
31	23	---	50	---	---	---	---	---	---	---	---	---
TOTAL	749.8	1298	1923	---	---	---	---	---	---	---	---	---
MEAN	24.2	43.3	62.0	---	---	---	---	---	---	---	---	---
MAX	216	289	509	---	---	---	---	---	---	---	---	---
MIN	9.8	18	20	---	---	---	---	---	---	---	---	---
CFSM	.88	1.57	2.26	---	---	---	---	---	---	---	---	---
IN.	1.01	1.76	2.60	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	39.4	59.5	44.6	94.2	113	105	42.0	25.2	23.6	18.5	15.3	14.4
MAX	80.2	113	62.0	118	117	127	45.4	26.8	33.9	23.2	16.9	18.0
(WY)	1996	1996	1998	1996	1996	1996	1996	1997	1997	1997	1995	1996
MIN	13.9	22.3	32.8	69.9	108	83.0	38.6	23.8	16.7	13.4	12.5	9.16
(WY)	1997	1997	1997	1997	1997	1997	1997	1995	1996	1995	1997	1995

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR		FOR THE PERIOD OCT 97 TO JAN 98		WATER YEARS 1995 - 1998	
ANNUAL TOTAL	16321.8					
ANNUAL MEAN	44.7				50.4	
HIGHEST ANNUAL MEAN					61.1	1996
LOWEST ANNUAL MEAN					39.6	1997
HIGHEST DAILY MEAN	1140	Feb 28	509	Dec 24	1390	Jan 27 1996
LOWEST DAILY MEAN	6.1	Sep 22	9.8	Oct 12	6.1	Sep 22 1997
ANNUAL SEVEN-DAY MINIMUM	6.6	Sep 17			6.6	Sep 17 1997
INSTANTANEOUS PEAK FLOW			1030	Dec 24	1800	Mar 7 1996
INSTANTANEOUS PEAK STAGE			8.53	Dec 24	10.01	Mar 7 1996
INSTANTANEOUS LOW FLOW			9.6	Oct 12	5.7	Jul 26 1995
ANNUAL RUNOFF (CFSM)	1.63				1.83	
ANNUAL RUNOFF (INCHES)	22.08				24.89	
10 PERCENT EXCEEDS	82				69	
50 PERCENT EXCEEDS	26				23	
90 PERCENT EXCEEDS	10				11	

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 mi^2.

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.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Feb. 28	1645	*3,360	*9.61	May 31	2245	1,190	5.67

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	31	20	206	41	62	431	62	77	189	72	42	23
2	31	39	89	41	58	201	61	68	81	58	37	22
3	28	28	59	39	57	135	60	93	69	51	35	21
4	26	24	48	37	56	112	59	76	60	46	35	21
5	24	22	44	55	70	99	59	66	57	43	33	20
6	23	22	41	47	58	96	75	62	53	42	31	19
7	23	22	39	64	55	91	76	59	52	42	31	19
8	25	137	37	74	107	86	66	57	54	45	30	18
9	23	52	35	335	79	82	61	57	50	41	35	18
10	21	39	34	121	68	79	59	57	47	39	36	20
11	20	33	33	78	62	77	58	53	46	38	34	24
12	20	30	35	63	58	74	67	51	47	37	32	21
13	20	28	44	56	141	121	67	50	58	38	34	19
14	20	26	37	52	130	305	61	49	102	37	58	19
15	20	25	34	50	147	131	58	48	79	36	62	18
16	19	24	33	112	96	100	56	46	58	39	40	18
17	19	24	50	70	79	89	55	45	110	51	35	18
18	24	26	42	59	72	84	53	45	124	47	38	18
19	22	29	40	54	67	81	53	44	77	41	50	17
20	20	26	35	51	65	83	53	46	63	37	36	16
21	19	29	34	49	82	78	52	45	63	35	34	16
22	18	31	34	48	89	74	59	43	61	43	31	15
23	19	26	33	48	72	72	91	42	57	135	30	18
24	21	25	37	79	66	70	68	43	51	65	28	17
25	19	34	36	97	65	69	60	46	48	48	28	99
26	18	47	33	72	65	69	56	45	49	42	27	49
27	26	34	54	61	103	67	96	71	49	39	27	34
28	22	31	49	157	1450	66	317	57	60	38	27	44
29	22	29	45	90	---	66	140	48	58	37	27	37
30	20	29	43	76	---	65	92	60	70	35	25	28
31	20	---	41	67	---	63	---	195	---	50	24	---
TOTAL	683	991	1454	2343	3579	3316	2250	1844	2042	1447	1072	746
MEAN	22.0	33.0	46.9	75.6	128	107	75.0	59.5	68.1	46.7	34.6	24.9
MAX	31	137	206	335	1450	431	317	195	189	135	62	99
MIN	18	20	33	37	55	63	52	42	46	35	24	15
CFSM	.62	.93	1.32	2.13	3.60	3.01	2.11	1.68	1.92	1.31	.97	.70
IN.	.72	1.04	1.52	2.46	3.75	3.47	2.36	1.93	2.14	1.52	1.12	.78

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.3	39.0	50.8	71.2	84.2	99.8	90.2	63.7	47.8	42.4	33.4	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1954 - 1997	
ANNUAL TOTAL	22439		21767			
ANNUAL MEAN	61.3		59.6		56.4	
HIGHEST ANNUAL MEAN					88.2	1973
LOWEST ANNUAL MEAN					24.0	1955
HIGHEST DAILY MEAN	1480	Mar 7	1450	Feb 28	2640	Feb 25 1961
LOWEST DAILY MEAN	17	Jul 11	15	Sep 22	2.4	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	19	Jul 8	17	Sep 18	2.7	Sep 23 1954
INSTANTANEOUS PEAK FLOW			3360	Feb 28	7690	Feb 25 1961
INSTANTANEOUS PEAK STAGE			9.61	Feb 28	14.40	Feb 25 1961
INSTANTANEOUS LOW FLOW			a14	Sep 22,23	b2.3	Oct 7 1954
ANNUAL RUNOFF (CFSM)	1.73		1.68		1.59	
ANNUAL RUNOFF (INCHES)	23.51		22.81		21.57	
10 PERCENT EXCEEDS	90		91		92	
50 PERCENT EXCEEDS	39		48		40	
90 PERCENT EXCEEDS	20		21		18	

a Gage height, 1.91 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 μS, Aug. 14, 1962; minimum daily, 25 μS 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
22...	1115	18	31.0	--	6.40	--	14.0	30.0	10.9	108
NOV										
21...	1030	25	31.0	--	6.50	--	12.5	18.0	11.4	110
JAN										
07...	1145	71	28.2	--	6.36	--	10.0	9.5	11.3	102
FEB										
06...	0945	58	29.2	--	6.33	--	8.5	12.5	10.8	93.2
MAR										
06...	1420	97	27.8	--	6.22	--	14.0	20.0	--	--
APR										
23...	1300	95	26.0	--	6.40	--	16.0	18.0	9.30	97.0
28...	1110	405	22	--	6.1	--	14.0	--	9.3	94
MAY										
29...	0930	48	29.0	--	6.20	--	16.0	--	9.30	97.0
JUN										
25...	1100	49	27.0	30	6.50	7.4	22.0	31.0	8.40	98.0
JUL										
23...	1025	249	24	27	6.60	--	22.5	28.0	8.60	100
29...	1330	37	29	--	7.1	--	24.5	24.0	7.4	92
AUG										
26...	1115	28	27.0	31	6.70	7.3	21.0	--	8.90	100
SEP										
17...	1130	18	29.0	31	6.60	7.0	21.0	25.0	8.80	101

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT								
22...	1115	<.010	.060	<.015	--	--	<.20	<.20
NOV								
21...	1030	.030	.100	.020	--	--	<.20	<.20
DEC								
01...	0716	.010	.160	.100	1.3	.20	1.4	.30
01...	0816	.020	.160	.040	1.3	.26	1.3	.30
01...	0916	.020	.150	.050	1.5	.25	1.5	.30
01...	1116	.020	.130	.040	1.3	.36	1.3	.40
01...	1316	.020	.110	.040	1.1	.26	1.1	.30
01...	1516	.010	.120	.040	.86	.36	.90	.40
JAN								
07...	1145	<.010	.170	.020	--	--	<.20	<.20
FEB								
06...	0945	.010	.190	<.015	--	--	<.20	<.20
MAR								
06...	1420	<.010	.230	<.015	--	--	.20	<.20
APR								
23...	1300	<.01	.17	.04	.17	--	.2	<.2
27...	1930	<.01	.20	.04	.46	--	.5	<.2
27...	2130	.02	.32	.04	1.1	.18	1.1	.2
27...	2330	<.01	.21	.03	1.0	.19	1.1	.2
28...	0515	<.01	.17	.05	.67	.31	.7	.4
28...	0815	<.01	.17	.06	2.2	.28	2.3	.3
28...	1105	<.01	.18	.02	1.6	.38	1.6	.4
28...	1110	<.01	.19	.04	1.4	.25	1.4	.3
MAY								
29...	0930	<.01	.15	.02	--	--	<.2	<.2
JUN								
25...	1100	<.01	.18	.02	--	--	<.2	<.2
JUL								
23...	1021	<.01	.20	<.02	--	--	1.3	<.2
23...	1025	<.01	.20	<.02	--	--	1.5	<.2
AUG								
26...	1115	.01	.15	<.02	--	--	<.2	<.2
SEP								
17...	1130	<.01	.09	<.02	--	--	<.2	<.2
25...	0900	.03	.32	.21	.56	.13	.8	.3
25...	1100	.02	.19	.06	.79	--	.8	<.2
25...	1300	.01	.21	.05	1.2	--	1.3	<.2
25...	1500	.01	.30	.03	1.0	.20	1.1	.2
25...	1800	.01	.28	.05	.85	.18	.9	.2
25...	2100	.01	.23	.04	.62	.17	.7	.2

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR-BID-ITY (NTU) (00076)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
OCT								
22...	1115	18	2.1	<.010	<.010	<.010	1.3	.30
NOV								
21...	1030	25	4.0	<.010	<.010	<.010	1.4	.40
DEC								
01...	0716	200	310	.460	<.010	<.010	3.1	11
01...	0816	321	210	.420	.020	.010	4.2	11
01...	0916	429	290	.560	.020	.010	4.6	12
01...	1116	459	230	.460	.020	.010	6.6	14
01...	1316	346	200	.340	.020	.010	7.5	9.8
01...	1516	245	160	.250	.030	.010	7.3	7.0
JAN								
07...	1145	71	19	.020	<.010	<.010	1.7	1.4
FEB								
06...	0945	58	12	<.010	<.010	<.010	1.2	.60
MAR								
06...	1420	97	19	.030	<.010	<.010	2.0	.70
APR								
23...	1300	95	26	.03	<.01	<.01	2.8	1
27...	1930	58	55	.11	<.01	<.01	2.6	4.1
27...	2130	255	100	.29	<.01	<.01	2.8	7.6
27...	2330	252	120	.28	<.01	<.01	3.3	--
28...	0515	171	77	.15	.01	<.01	4	3.5
28...	0815	724	390	.80	<.01	<.01	4.7	9.9
28...	1105	409	290	.53	.01	<.01	5.8	13
28...	1110	405	190	.45	<.01	<.01	5.5	4.4
MAY								
29...	0930	48	6.2	<.01	<.01	<.01	1.3	.6
JUN								
25...	1100	49	6.5	<.01	<.01	.01	1.2	.6
JUL								
23...	1021	250	210	.29	<.01	<.01	4.1	9.1
23...	1025	249	200	.49	<.01	<.01	3.9	9.2
AUG								
26...	1115	28	3.9	.01	<.01	<.01	1.3	.6
SEP								
17...	1130	18	3.0	.01	<.01	<.01	1.3	.3
25...	0900	91	37	.14	.05	.04	4.8	2.2
25...	1100	171	54	.21	.01	.02	3.4	3.2
25...	1300	194	98	.32	<.01	<.01	3.9	5
25...	1500	156	100	.27	.01	.01	4.6	3.5
25...	1800	121	140	.26	<.01	.01	5	4
25...	2100	91	58	.12	<.01	.02	4.8	1.5

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	BICARPOTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKABONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ANC LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JUN 25...	1100	7	1.6	.79	2.3	37	.4	.9	10	8	10
JUL 23...	1025	5	1.1	.54	1.5	33	.3	1.4	5.7	4.7	8.3
AUG 26...	1115	8	1.7	.84	2.4	38	.4	.9	12	9.4	11
SEP 17...	1130	7	1.5	.80	2.4	39	.4	.9	11	9	12

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 25...	1100	1.1	2.2	<.1	9.2	32	24	4.23	.04	360	28
JUL 23...	1025	2.1	1.8	<.1	5.9	27	18	18.2	.04	100	66
AUG 26...	1115	.8	2.4	<.1	10	33	26	2.49	.04	220	30
SEP 17...	1130	.6	2.3	<.1	9.3	26	24	1.26	.04	39	18

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT					
22...	1116	18	9	.44	--
NOV					
21...	1031	25	6	.41	--
DEC					
01...	0717	200	506	273	96
01...	0817	321	435	377	90
01...	0917	429	629	729	92
01...	1117	459	492	610	93
01...	1317	346	365	341	94
01...	1517	245	232	153	94
JAN					
07...	1146	71	32	6.1	--
FEB					
06...	0946	58	10	1.6	--
MAR					
06...	1421	97	19	5.0	--
APR					
23...	1301	95	28	7.2	--
27...	1931	58	135	21	91
27...	2131	255	304	209	90
27...	2331	252	319	217	96
28...	0516	171	127	59	96
28...	0816	724	1345	2630	85
28...	1045	437	601	709	92
28...	1111	405	557	609	85
28...	1125	390	451	475	92
MAY					
29...	0931	48	23	3.0	--
JUN					
25...	1101	49	16	2.1	--
JUL					
23...	1022	250	471	318	97
23...	1026	249	506	340	96
AUG					
26...	1116	28	9	.68	--
SEP					
17...	1131	18	9	.44	--
25...	0901	91	91	22	95
25...	1101	171	191	88	--
25...	1301	194	322	169	95
25...	1501	156	248	104	--
25...	1801	121	220	72	98
25...	2101	91	91	22	--

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 mi^2, 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.--47 years (water years 1939-53, 1966-97), 4,034 ft^3/s, 22.54 in/yr.

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	2920	2020	6070	2060	3340	33200	2690	5500	8100	4160	4280	1460
2	2990	3840	8420	2420	2650	25300	3350	5230	5340	4560	2940	2290
3	2560	3060	4370	2120	2500	10700	3430	7990	4370	3720	2040	3020
4	2980	1940	2740	2040	5890	7570	3420	11100	3370	3560	1880	3220
5	3100	1860	2650	2640	5440	8170	3000	5310	3530	3500	1740	3270
6	2750	2320	2440	3790	4640	8900	3540	4660	4160	2520	2190	3280
7	1830	2250	2230	3170	4030	7890	4820	4540	4070	1900	2430	2070
8	2520	6730	2270	3920	6460	7590	3780	4660	2940	2050	2510	1420
9	3500	6770	1990	12800	5310	5860	4150	5000	2390	2790	2500	2360
10	3400	3210	1920	11600	3490	5090	4110	5800	2640	2590	2230	3630
11	3230	2180	1930	5890	4060	4700	4170	3040	3090	2590	1900	4330
12	3160	2290	2060	3980	3510	4900	4340	2270	3430	2690	2540	3860
13	2220	2040	3890	2830	5830	4500	4080	2950	3580	2060	3710	3310
14	1710	2470	3100	2550	8680	10000	2500	4080	4650	1990	3820	2400
15	1630	1890	2360	2690	10600	7530	3020	4230	8220	1880	3690	1410
16	1970	2120	2000	6200	6740	5460	3660	4350	3660	2120	3610	2120
17	2010	1820	2380	5650	4080	3380	4190	3710	5170	3210	2430	3720
18	2370	1690	2930	3970	3980	5570	4090	2680	9880	3150	1670	3690
19	2790	2370	2580	2820	4360	7920	4560	1980	6550	2800	2690	3820
20	1870	2500	2720	2570	4260	7160	2910	2610	5870	1900	3090	3290
21	1600	1950	2890	2620	4250	7220	2380	4180	5630	1570	3580	2440
22	1680	2500	2200	2830	6150	6840	3200	3410	4430	2070	3080	1360
23	2370	2440	1920	2980	4420	4450	6940	2830	3740	10400	2800	2610
24	2200	2040	1930	2790	3190	2590	5390	2390	4290	17800	1910	3560
25	1740	1810	2320	6390	3960	4680	4590	2780	4790	8430	1530	9720
26	2060	3080	1980	5180	3980	5780	4010	2340	5010	4840	1660	18800
27	1740	3090	2760	3630	4730	5730	3210	3040	5530	2840	2570	7750
28	1750	2470	3320	5140	20500	5630	11800	4300	5470	2150	2950	6230
29	1610	2140	2640	5610	---	5020	13600	3700	3900	2080	2820	7110
30	1830	2190	2170	4080	---	3620	7330	4860	3440	2690	3070	4410
31	1920	---	2060	3960	---	2430	---	5100	---	3540	2370	---
TOTAL	72010	79080	87240	130920	151030	235380	136260	130620	141240	114150	82230	121960
MEAN	2323	2636	2814	4223	5394	7593	4542	4214	4708	3682	2653	4065
MAX	3500	6770	8420	12800	20500	33200	13600	11100	9880	17800	4280	18800
MIN	1600	1690	1920	2040	2500	2430	2380	1980	2390	1570	1530	1360

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3246	3364	3539	5002	5414	6054	5439	4423	3496	3322	3563	3245
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1965 - 1997	
ANNUAL TOTAL	1788500		1482120			
ANNUAL MEAN	4887	†4723	4061	†4105	4173	
HIGHEST ANNUAL MEAN					5959	1990
LOWEST ANNUAL MEAN					2112	1988
HIGHEST DAILY MEAN	34900	Mar 8	33200	Mar 1	47600	Mar 18 1990
LOWEST DAILY MEAN	1500	Jul 8	1360	Sep 22	1090	Oct 1 1988
ANNUAL SEVEN-DAY MINIMUM	1810	Oct 25	1810	Oct 25	1200	May 31 1988
INSTANTANEOUS PEAK FLOW			34100	Mar 1	48700	Mar 18 1990
INSTANTANEOUS PEAK STAGE			20.79	Mar 1	25.90	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.01	†1.94	1.67	†1.69	1.72	
ANNUAL RUNOFF (INCHES)	27.38	†26.92	22.69	†22.94	23.33	
10 PERCENT EXCEEDS	10100		6800		7730	
50 PERCENT EXCEEDS	3350		3220		3150	
90 PERCENT EXCEEDS	1950		1940		1790	

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 ft^3/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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
APR										
23...	1030	7590	86.0	--	6.70	--	18.0	16.0	7.90	86.0
JUL										
02...	1215	4440	86.0	87	6.40	7.7	23.0	35.0	6.70	80.0
22...	0930	1650	138	134	7.40	7.8	27.5	--	6.70	86.0
AUG										
26...	0815	1580	131	135	6.80	7.3	24.0	22.0	7.00	85.0
SEP										
17...	0900	3630	88.0	88	6.50	6.8	21.0	21.0	7.90	91.0

DATE	TIME	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
APR								
23...	1030	.07	.97	.12	.43	.09	.5	.2
JUL								
02...	1215	.04	.94	.07	.72	--	.8	<.2
22...	0930	.04	2.0	.06	.29	--	.4	<.2
AUG								
26...	0815	.03	1.8	.02	.25	.24	.3	.3
SEP								
17...	0900	.02	1.3	.07	.21	--	.3	<.2

DATE	TIME	TUR-BID-ITY (NTU) (00076)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
APR							
23...	1030	23	.13	.07	.01	2.1	1.7
JUL							
02...	1215	40	.20	<.01	.03	3.5	2.8
22...	0930	5.0	.04	.01	.02	2.1	.4
AUG							
26...	0815	4.0	.03	<.01	.02	2.2	.2
SEP							
17...	0900	15	.07	.01	.02	1.6	.9

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	BICARPOTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKABONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ANC LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
JUL											
02...	1215	20	5.5	1.4	6.6	38	.6	3.0	24	19	21
22...	0930	26	7.7	1.7	12	46	1	3.3	29	24	25
AUG											
26...	0815	29	8.6	1.8	12	45	1	3.1	31	25	28
SEP											
17...	0900	18	5.0	1.3	7.9	45	.8	2.4	20	16	19

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SOLIDS, SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUL											
02...	1215	6.3	6.0	.1	8.3	62	53	743	.08	150	9
22...	0930	8.7	10	.8	9.6	82	77	364	.11	52	43
AUG											
26...	0815	9.9	10	.2	9.7	97	80	415	.13	80	45
SEP											
17...	0900	5.9	6.6	.2	7.8	58	53	568	.08	39	14

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
07...	0900	1860	16.5	21	105
07...	0905	1860	16.5	23	116
DEC					
02...	1030	8550	11.5	363	8380
02...	1035	8550	11.5	400	9230
JAN					
14...	0945	2600	--	22	154
14...	0950	2600	--	23	161
FEB					
26...	1011	4140	11.5	44	492
26...	1016	4140	11.5	44	492
APR					
01...	1013	2580	16.0	18	125
01...	1018	2580	16.0	17	118
23...	1031	7590	--	122	2500
MAY					
13...	0812	2360	18.0	24	153
13...	0817	2360	18.0	24	153
JUL					
02...	1216	4410	--	127	1510
02...	1328	4320	--	115	1340
02...	1333	4320	--	100	1170
22...	1110	1800	--	E13	--
22...	1115	1800	--	E14	--
AUG					
26...	0816	1580	--	15	64
26...	0917	1600	--	11	48
26...	0922	1600	--	13	56
SEP					
17...	0901	3630	--	54	529
17...	0925	3600	--	55	535
17...	0930	3600	--	59	573

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 mi^2, 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 July 1997 (discontinued).
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 ft^3/s, 21.09 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,000 ft^3/s, March 15, 1929, gage height, 22.7 ft, from rating curve extended above 36,000 ft^3/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 ft^3/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 ft^3/s, from rating curve extended above 36,000 ft^3/s on basis of peak flow at stations Chattahoochee River near Norcross, Ga. and Chattahoochee River at West Point, Ga.
EXTREMES FOR CURRENT PERIOD.--October 1996 to July 1997: Maximum gage height 23.55 ft, Mar. 1; minimum 7.78 ft, Dec. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.42	8.62	9.60	8.17	10.27	23.27	9.36	13.33	14.47	13.58	—	—
2	9.61	9.01	13.73	8.42	9.87	22.49	9.71	13.17	14.42	13.65	—	—
3	9.49	9.94	10.94	8.45	9.50	17.15	9.86	13.24	14.06	13.28	—	—
4	9.44	8.64	9.35	8.26	10.62	13.40	9.79	16.05	13.83	13.20	—	—
5	9.55	8.39	8.77	8.35	11.64	12.99	9.73	14.60	13.48	13.12	—	—
6	9.67	8.39	8.59	9.83	11.05	13.49	9.76	13.89	13.37	13.05	—	—
7	9.34	8.65	8.38	9.43	10.40	13.33	11.12	13.60	13.24	13.03	—	—
8	9.34	10.13	8.19	10.18	11.36	12.91	10.48	13.37	13.27	12.87	—	—
9	9.69	12.78	8.02	14.55	12.36	12.33	10.54	13.27	13.09	12.82	—	—
10	9.65	10.43	8.01	16.66	10.59	10.98	10.67	13.41	13.02	12.73	—	—
11	9.41	9.36	8.12	12.56	10.43	11.09	10.73	13.49	13.07	12.56	—	—
12	9.41	9.01	8.13	10.94	10.24	10.93	10.85	13.30	13.14	12.53	—	—
13	9.25	8.80	8.70	9.89	10.99	10.74	11.30	13.09	13.23	12.68	—	—
14	9.00	8.53	9.42	9.36	13.81	14.23	10.50	—	13.42	12.69	—	—
15	8.95	8.38	8.38	9.19	14.48	13.57	10.23	—	14.90	12.63	—	—
16	9.00	8.12	8.01	10.75	13.53	12.19	10.37	13.06	14.42	12.48	—	—
17	9.11	8.09	8.14	12.33	11.23	10.46	10.74	13.07	14.21	12.51	—	—
18	8.97	8.13	8.71	10.75	10.61	10.55	10.62	13.25	15.83	12.35	—	—
19	9.16	8.22	8.45	10.14	10.63	12.84	10.81	13.21	15.05	12.29	—	—
20	9.01	8.49	8.35	9.68	10.67	12.70	10.57	13.03	14.75	12.41	—	—
21	8.85	8.17	8.77	9.54	10.53	12.45	10.28	13.04	14.62	12.28	—	—
22	8.85	8.24	8.26	9.65	11.68	12.38	10.21	12.97	14.55	—	—	—
23	8.96	8.32	8.10	9.75	11.29	11.48	11.82	12.82	14.29	—	—	—
24	8.92	8.12	8.21	9.84	9.95	9.35	12.17	12.72	14.12	—	—	—
25	8.80	8.06	8.23	11.32	9.97	9.77	11.71	13.00	14.14	—	—	—
26	8.70	8.44	8.13	12.09	10.23	11.55	11.32	13.08	13.96	—	—	—
27	8.81	9.10	8.47	10.81	10.56	11.46	11.50	12.88	13.84	—	—	—
28	8.72	8.44	9.23	11.23	17.89	11.43	14.04	12.99	13.91	—	—	—
29	8.46	8.19	9.18	12.30	—	11.31	16.80	12.91	14.14	—	—	—
30	8.42	8.07	8.37	11.23	—	10.69	14.96	13.05	13.90	—	—	—
31	8.51	—	8.22	10.70	—	9.54	—	13.42	—	—	—	—
MEAN	9.11	8.78	8.75	10.53	11.30	12.68	11.09	—	13.99	—	—	—
MAX	9.69	12.78	13.73	16.66	17.89	23.27	16.80	—	15.83	—	—	—
MIN	8.42	8.06	8.01	8.17	9.50	9.35	9.36	—	13.02	—	—	—

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 81341are 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV												
26...	0840	81341	8.10	2480	130	123	7.1	7.3	13.0	8.0	10.9	106
DEC												
12...	0845	81341	7.79	2420	128	127	7.1	7.3	13.0	16.0	10.9	106
JAN												
08...	0830	81341	9.98	4730	89	88	7.2	7.0	11.0	5.0	7.7	71
FEB												
06...	0600	81341	11.24	--	82	79	7.0	6.8	10.0	0.0	10.3	93
MAR												
06...	0615	81341	13.79	--	70	66	6.9	6.8	14.0	6.0	9.7	96
APR												
03...	0500	81341	9.68	--	107	102	7.0	7.1	15.0	2.0	9.0	91
MAY												
08...	0500	81341	13.34	--	83	77	7.1	7.0	17.5	13.0	8.9	95
JUN												
05...	0500	81341	13.28	--	88	84	7.1	7.1	19.0	16.0	8.2	91
JUL												
10...	0515	81341	12.69	--	126	122	7.1	7.2	26.5	21.5	7.0	89
AUG												
07...	0500	81341	12.05	--	127	122	7.2	7.5	27.0	21.0	6.8	87
SEP												
04...	0500	81341	10.34	--	101	99	7.2	7.1	25.0	21.0	7.2	89

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
NOV					
26...	81341	11	1.1	25	14
DEC					
12...	81341	9.0	<1.0	24	11
JAN					
08...	81341	32	1.8	19	54
FEB					
06...	81341	56	2.4	17	113
MAR					
06...	81341	60	1.5	15	139
APR					
03...	81341	10	1.3	23	25
MAY					
08...	81341	46	<1.0	16	56
JUN					
05...	81341	35	<1.0	20	32
JUL					
10...	81341	9.0	<1.0	25	19
AUG					
07...	81341	13	<1.0	25	20
SEP					
04...	81341	13	<1.0	21	31

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV								
26...	81341	1.38	.030	.37	.40	1.8	.070	3.0
DEC								
12...	81341	1.67	.040	.26	.30	2.0	.050	2.0
JAN								
08...	81341	.940	.080	.52	.60	1.5	.110	3.0
FEB								
06...	81341	.830	.090	.51	.60	1.4	.140	2.0
MAR								
06...	81341	.640	.130	.47	.60	1.2	.130	3.0
APR								
03...	81341	1.29	.130	.27	.40	1.7	.080	2.0
MAY								
08...	81341	.380	<.030	--	.40	.78	.050	3.0
JUN								
05...	81341	.980	.100	.50	.60	1.6	.070	3.0
JUL								
10...	81341	1.91	<.030	--	.40	2.3	.080	2.0
AUG								
07...	81341	1.73	<.030	--	.30	2.0	.060	2.0
SEP								
04...	81341	1.46	<.030	--	.30	1.8	.070	2.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
NOV					
26...	0840	81341	8.10	2480	410
DEC					
12...	0845	81341	7.79	2420	220
JAN					
08...	0830	81341	9.98	4730	1700
FEB					
06...	0600	81341	11.24	--	1100
MAR					
06...	0615	81341	13.79	--	1300
APR					
03...	0500	81341	9.68	--	130
MAY					
08...	0500	81341	13.34	--	1300
JUN					
05...	0500	81341	13.28	--	220
JUL					
10...	0515	81341	12.69	--	110
17...	0500	81213	12.14	--	20
23...	1610	81213	13.48	--	330
AUG					
07...	0500	81341	12.05	--	80
SEP					
04...	0500	81341	10.34	--	130

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG									
12...	0745	81213	12.0	116	7.2	25.0	23.0	6.8	83

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG								
12...	81213	7.3	1.7	<1.0	<2.0	<.5	<1.0	4.1

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG							
12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.0

APALACHICOLA RIVER BASIN

02338530 HILLABAHATCHEE 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 Talleson Creek, and 0.4 mi west of Franklin.
DRAINAGE AREA.--75.9 mi^2.
PERIOD OPF RECORD.--April 1995 to December 1996 (discontinued).
REMARKS.--Laboratory analyses with analyzing agency code 81341are 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
17...	0700	81341	64	38	38	7.0	6.6	15.0	13.0	8.4	85
NOV											
14...	0700	81341	11	37	36	6.8	6.9	8.0	6.0	8.9	76
DEC											
12...	0700	81341	49	36	36	7.0	6.9	11.5	16.0	8.6	81

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, EC BROTH (MPN) (31615)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT											
17...	81341	5.0	<1.0	170	--	14	1	0.030	0.030	<0.020	1.0
NOV											
14...	81341	5.0	<1.0	330	--	15	3	0.040	<0.030	<0.020	1.0
DEC											
12...	81341	5.0	<1.0	60	--	15	4	0.040	<0.030	<0.020	1.0

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 mi^2.

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. Daily water temperature record available for water years 1979-84.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Mar. 1	1000	*7,010	*14.54	July 31	1700	2,380	9.74

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	68	40	192	107	191	5360	110	205	168	344	1150	27
2	59	47	467	147	170	1550	104	154	156	373	343	26
3	56	60	232	125	156	670	99	150	110	187	191	24
4	50	55	114	104	146	456	93	165	95	124	154	24
5	43	46	90	171	158	362	92	124	84	99	148	22
6	38	44	81	264	157	323	179	106	76	84	104	20
7	36	44	76	228	133	284	184	98	72	79	85	19
8	40	99	72	265	477	238	121	91	74	95	76	18
9	41	159	67	736	787	216	102	86	71	91	83	17
10	36	92	63	1300	357	203	93	87	65	76	106	19
11	33	66	63	514	244	197	88	80	61	66	92	24
12	31	56	68	274	199	183	114	75	60	60	79	23
13	30	52	120	206	264	175	122	70	57	57	75	20
14	30	49	106	174	514	366	96	63	115	53	106	18
15	29	48	82	156	869	387	87	60	301	49	125	17
16	29	47	72	364	896	235	84	57	160	46	105	15
17	28	46	83	413	416	194	81	54	162	61	80	14
18	31	47	92	233	293	179	77	51	548	169	68	13
19	36	53	89	187	247	176	74	50	653	83	70	14
20	37	57	81	166	220	190	74	52	252	60	72	16
21	35	54	73	147	247	173	73	70	197	51	71	14
22	33	55	71	141	447	156	78	60	155	50	60	13
23	32	53	71	180	347	143	182	54	122	144	53	12
24	35	50	77	195	240	134	156	53	99	226	47	15
25	35	52	93	348	214	130	102	65	90	178	44	201
26	35	83	82	298	205	153	99	69	215	129	41	871
27	35	83	176	205	230	152	170	59	200	83	39	447
28	38	65	290	299	1090	133	963	107	140	69	37	173
29	40	58	177	468	---	131	960	111	366	70	33	140
30	41	55	127	303	---	124	323	109	272	61	31	106
31	40	---	106	232	---	117	---	103	---	1220	29	---
TOTAL	1180	1815	3653	8950	9914	13490	5180	2738	5196	4537	3797	2382
MEAN	38.1	60.5	118	289	354	435	173	88.3	173	146	122	79.4
MAX	68	159	467	1300	1090	5360	963	205	653	1220	1150	871
MIN	28	40	63	104	133	117	73	50	57	46	29	12
CFSM	.30	.48	.93	2.27	2.79	3.43	1.36	.70	1.36	1.15	.96	.63
IN.	.35	.53	1.07	2.62	2.90	3.95	1.52	.80	1.52	1.33	1.11	.70

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	68.6	133	175	218	311	301	232	126	89.1	101	68.2	56.5
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	117	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1979 - 1997	
ANNUAL TOTAL	63891		62832			
ANNUAL MEAN	175		172		156	
HIGHEST ANNUAL MEAN					241	1990
LOWEST ANNUAL MEAN					80.4	1986
HIGHEST DAILY MEAN	3840	Mar 7	5360	Mar 1	7740	Mar 17 1990
LOWEST DAILY MEAN	14	Jul 12	12	Sep 23	.24	Aug 7 1986
ANNUAL SEVEN-DAY MINIMUM	17	Jul 7	14	Sep 17	.64	Aug 2 1986
INSTANTANEOUS PEAK FLOW			7010	Mar 1	10000	Mar 17 1990
INSTANTANEOUS PEAK STAGE			14.54	Mar 1	17.17	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.37		1.36		1.23	
ANNUAL RUNOFF (INCHES)	18.71		18.40		16.67	
10 PERCENT EXCEEDS	309		343		312	
50 PERCENT EXCEEDS	77		93		90	
90 PERCENT EXCEEDS	27		33		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 81341are 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
17...	0730	81341	28	121	119	6.9	6.9	14.0	12.0	8.0	80
NOV											
14...	0730	81341	48	105	104	7.0	7.1	7.5	6.0	8.2	69
DEC											
12...	0730	81341	61	102	99	6.9	7.1	12.0	16.0	8.1	77
JAN											
08...	0645	81341	244	67	66	7.1	6.8	9.5	3.0	8.5	76
FEB											
06...	0645	81341	167	77	74	6.9	6.8	9.0	0.0	10.8	95
MAR											
06...	0645	81341	326	52	49	7.0	6.6	14.0	6.0	9.5	94
APR											
03...	0530	81341	101	75	72	7.0	7.1	11.0	2.0	10.2	94
MAY											
08...	0540	81341	92	71	67	7.0	7.1	17.0	13.0	8.9	94
JUN											
05...	0530	81341	86	81	78	7.1	7.4	17.0	16.0	9.0	96
JUL											
10...	0545	81341	78	84	81	7.1	7.2	23.0	21.0	7.7	92
AUG											
07...	0545	81341	87	68	65	7.0	7.0	23.0	21.0	7.5	89
SEP											
04...	0545	81341	24	149	147	7.2	7.0	23.0	21.0	7.1	85

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
17...	81341	6.0	<1.0	29	6	.360	<.030	<.020	2.0
NOV									
14...	81341	6.0	<1.0	27	2	.210	<.030	<.020	2.0
DEC									
12...	81341	7.0	<1.0	23	4	.440	<.030	<.020	2.0
JAN									
08...	81341	19	<1.0	17	13	.210	.030	.040	3.0
FEB									
06...	81341	11	1.0	17	16	.540	<.030	.030	3.0
MAR									
06...	81341	20	<1.0	12	18	.270	.040	.040	4.0
APR									
03...	81341	10	<1.0	21	12	.140	.040	.030	2.0
MAY									
08...	81341	12	<1.0	23	12	.150	.320	.030	2.0
JUN									
05...	81341	16	<1.0	24	19	.230	<.030	.030	2.0
JUL									
10...	81341	13	<1.0	26	16	.180	<.030	.030	2.0
AUG									
07...	81341	11	<1.0	21	9	.110	.030	.030	3.0
SEP									
04...	81341	5.0	<1.0	31	5	.170	<.030	<.020	2.0

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
17...	0730	81341	28	230
NOV				
14...	0730	81341	48	130
DEC				
12...	0730	81341	61	230
JAN				
08...	0645	81341	244	330
FEB				
06...	0645	81341	167	80
MAR				
06...	0645	81341	326	310
APR				
03...	0530	81341	101	50
MAY				
08...	0540	81341	92	70
JUN				
05...	0530	81341	86	490
JUL				
10...	0545	81341	78	230
17...	0540	81213	44	330
23...	1515	81213	186	3300
AUG				
07...	0545	81341	87	80
SEP				
04...	0545	81341	24	700

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG									
12...	0850	81213	80	96	7.2	22.5	25.5	6.4	75

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG								
12...	81213	7.5	1.6	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG							
12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.0

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 mi^2, 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 Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow regulated by Lake Sidney Lanier (see "Lakes and Reservoirs in Apalachicola River Basin", station 02334400).

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
17...	0830	81341	95	87	7.8	8.9	18.0	12.0	7.7	83
NOV										
14...	0830	81341	102	99	7.0	6.9	10.5	6.0	7.9	72
DEC										
12...	0830	81341	95	93	7.0	7.1	14.0	16.0	8.0	79
JAN										
08...	0800	81341	108	104	7.0	7.0	12.0	7.0	7.2	68
FEB										
06...	0800	81341	91	86	6.9	6.7	9.0	0.0	10.3	91
MAR										
06...	0800	81341	54	53	6.9	6.5	13.0	8.0	8.9	86
APR										
03...	0630	81341	74	72	7.2	7.2	13.0	7.0	10.0	96
MAY										
08...	0650	81341	71	70	7.4	7.2	20.0	14.0	8.2	92
JUN										
05...	0700	81341	94	91	7.3	7.2	19.0	16.0	8.3	92
JUL										
10...	0700	81341	79	78	7.9	8.2	26.5	23.0	7.0	89
AUG										
07...	0700	81341	85	83	7.9	7.9	26.0	23.0	7.1	89
SEP										
04...	0700	81341	110	109	7.5	7.3	25.0	23.0	6.7	83

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT					
17...	81341	3.0	1.9	19	2
NOV					
14...	81341	23	1.1	22	12
DEC					
12...	81341	21	1.0	21	11
JAN					
08...	81341	12	1.2	23	9
FEB					
06...	81341	18	1.4	15	12
MAR					
06...	81341	58	1.1	9	25
APR					
03...	81341	7.0	1.6	13	6
MAY					
08...	81341	15	2.3	14	9
JUN					
05...	81341	3.0	1.1	20	4
JUL					
10...	81341	2.0	1.7	22	3
AUG					
07...	81341	2.0	1.7	19	3
SEP					
04...	81341	2.0	1.5	20	2

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
17...	81341	.930	.060	.34	.40	1.3	.020	2.0
NOV								
14...	81341	1.12	.080	.42	.50	1.6	.060	3.0
DEC								
12...	81341	.880	.100	.30	.40	1.3	.050	3.0
JAN								
08...	81341	1.16	.130	.37	.50	1.7	.110	2.0
FEB								
06...	81341	.920	.170	.33	.50	1.4	.050	2.0
MAR								
06...	81341	.430	.230	.37	.60	1.0	.100	4.0
APR								
03...	81341	.700	.040	.36	.40	1.1	.050	3.0
MAY								
08...	81341	.580	<.030	--	.50	1.1	.050	3.0
JUN								
05...	81341	.940	<.030	--	.40	1.3	.030	2.0
JUL								
10...	81341	.580	<.030	--	.50	1.1	.040	3.0
AUG								
07...	81341	.570	.040	.36	.40	.97	.020	4.0
SEP								
04...	81341	.960	.040	.46	.50	1.5	.030	3.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT			
17...	0830	81341	<20
NOV			
14...	0830	81341	130
DEC			
12...	0830	81341	<20
JAN			
08...	0800	81341	50
FEB			
06...	0800	81341	110
MAR			
06...	0800	81341	50
APR			
03...	0630	81341	50
MAY			
08...	0650	81341	110
JUN			
05...	0700	81341	40
JUL			
10...	0700	81341	<20
17...	0700	81213	<20
23...	1330	81213	50
AUG			
07...	0700	81341	<20
SEP			
04...	0700	81341	<20

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 mi^2.
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 81341are 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
17...	0800	81341	36	66	66	7.2	7.0	14.5	12.0	8.0	81
NOV											
14...	0800	81341	41	65	65	7.1	7.2	7.0	6.0	8.6	72
DEC											
12...	0800	81341	42	58	59	7.1	7.1	13.0	16.0	8.2	80
JAN											
08...	0720	81341	165	50	49	7.2	6.7	9.0	3.0	8.6	76
FEB											
06...	0715	81341	112	52	50	6.9	6.7	9.0	0.0	11.0	97
MAR											
06...	0715	81341	218	46	44	6.8	6.7	14.0	6.0	9.2	91
APR											
03...	0600	81341	67	55	52	7.0	7.0	10.0	2.0	10.7	96
MAY											
08...	0610	81341	68	52	49	7.0	6.8	17.0	13.0	8.9	94
JUN											
05...	0600	81341	51	58	55	7.1	7.0	17.0	15.0	8.8	94
JUL											
10...	0620	81341	44	65	64	6.9	7.0	23.0	21.0	7.8	93
AUG											
07...	0615	81341	26	63	61	7.1	7.2	23.0	21.0	7.7	92
SEP											
04...	0620	81341	14	73	72	7.3	7.0	22.5	21.0	6.7	79

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
17...	81341	11	<1.0	27	6	.080	<.030	<.020	2.0
NOV									
14...	81341	12	<1.0	26	7	.060	<.030	<.020	2.0
DEC									
12...	81341	13	<1.0	23	11	.120	<.030	<.020	2.0
JAN									
08...	81341	26	<1.0	16	24	.170	<.030	.040	3.0
FEB									
06...	81341	14	1.0	18	16	.140	<.030	<.020	2.0
MAR									
06...	81341	28	<1.0	16	34	.160	.140	.030	3.0
APR									
03...	81341	13	<1.0	21	15	.130	.160	.020	2.0
MAY									
08...	81341	17	<1.0	20	16	.120	<.030	.030	2.0
JUN									
05...	81341	17	<1.0	21	19	.150	.040	.020	2.0
JUL									
10...	81341	15	<1.0	25	13	.150	<.030	.020	2.0
AUG									
07...	81341	14	<1.0	25	11	.160	<.030	<.020	2.0
SEP									
04...	81341	11	<1.0	32	8	.080	<.030	<.020	2.0

APALACHICOLA RIVER BASIN

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
17...	0800	81341	36	110
NOV				
14...	0800	81341	41	280
DEC				
12...	0800	81341	42	70
JAN				
08...	0720	81341	165	3300
FEB				
06...	0715	81341	112	70
MAR				
06...	0715	81341	218	160
APR				
03...	0600	81341	67	110
MAY				
08...	0610	81341	68	330
JUN				
05...	0600	81341	51	490
JUL				
10...	0620	81341	44	230
17...	0610	81213	35	170
23...	1435	81213	155	4900
AUG				
07...	0615	81341	26	330
SEP				
04...	0620	81341	14	330

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG									
12...	1000	81213	30	64	7.3	23.5	29.0	7.4	89

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG								
12...	81213	5.0	2.0	<1.0	<2.0	<.5	<1.0	<1.0

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG							
12...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.0

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 mi^2, 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. 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.--101 years, 5,610 ft^3/s, 21.46 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 ft^3/s.

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	3650	2300	1720	3140	6050	26300	4810	13000	4550	9480	3480	6520
2	3630	2320	7940	3350	4160	43700	5200	8370	7240	6640	2170	5470
3	3550	2630	7730	3160	8770	43300	5890	1520	6920	6360	2150	5530
4	3290	3320	7140	4430	8210	28000	4950	1080	8430	6310	4140	7230
5	919	3610	6990	1060	8390	17300	1060	9450	8580	3960	4800	4930
6	912	3980	6780	5810	8830	14400	1180	10900	8130	3620	4830	3490
7	3900	3570	7090	5770	8110	13300	3880	10500	3320	4950	4820	3500
8	4170	5260	6020	6960	5470	12300	4420	7840	4900	4950	3510	6550
9	7330	1070	7340	10800	3940	12100	4590	7920	3960	4310	858	7970
10	6630	1000	6500	8170	7370	11400	3800	2440	4290	4900	882	8390
11	3240	5730	6150	8680	7280	10200	4460	2320	3940	4940	4850	8010
12	905	7810	7140	7210	8420	10100	1200	5530	3620	909	3530	7770
13	898	8410	6250	8890	9980	6880	2460	5960	3940	895	3850	4300
14	3140	6990	1030	8000	11900	6560	6510	5400	988	2900	4160	3590
15	3180	7370	968	5800	11500	1430	6530	5570	1050	6860	3900	6880
16	2510	1200	3380	5900	13400	1110	6450	5580	8160	3550	891	8010
17	2520	997	3530	3150	11800	10400	7190	940	8130	5870	2830	7460
18	3270	6390	3130	4470	11200	14100	6540	937	9460	4260	4810	7760
19	908	4020	5880	3780	9740	10800	1080	5510	10500	889	3840	8150
20	908	4380	7060	6760	10700	11200	984	5860	9730	1530	5160	919
21	3300	4400	1010	4430	12400	10700	4390	6000	8010	6110	4180	870
22	3590	4400	959	3060	7000	5820	5190	5580	6420	6150	5490	6730
23	3610	1040	5080	7130	7060	5390	4540	4270	7930	6740	845	6540
24	3620	1600	2150	7390	11300	6500	4510	967	6950	9010	845	6940
25	3590	3040	5940	3370	11400	7250	4930	969	8120	9580	5580	6670
26	2300	3690	3120	6210	7590	4500	3760	5760	10300	8900	5800	3580
27	2910	4500	3040	3960	8490	4540	4480	5510	9620	6910	6130	2320
28	2950	4440	1270	9150	9470	4500	8330	5030	3740	6140	5520	1620
29	3680	5160	1030	8790	---	1050	10600	4950	8300	5150	6450	3580
30	2340	1060	2320	9930	---	1030	13200	5590	9590	4520	4850	3900
31	1960	---	4190	11100	---	5090	---	1080	---	3470	3440	---
TOTAL	93310	115687	139877	189810	249930	361250	147114	162333	198818	160763	118591	165179
MEAN	3010	3856	4512	6123	8926	11650	4904	5237	6627	5186	3826	5506
MAX	7330	8410	7940	11100	13400	43700	13200	13000	10500	9580	6450	8390
MIN	898	997	959	1060	3940	1030	984	937	988	889	845	870

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3750	4393	5407	6591	8007	8522	7692	5609	4555	4385	4378	3904
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1956 - 1997	
ANNUAL TOTAL	2472467		2102662			
ANNUAL MEAN	6755	†6541	5761	†5825	5586	†5662
HIGHEST ANNUAL MEAN					8501	1990
LOWEST ANNUAL MEAN					2644	1988
HIGHEST DAILY MEAN	38200	Mar 9	43700	Mar 2	80000	Feb 26 1961
LOWEST DAILY MEAN	895	Sep 21	845	Aug 23	516	Sep 12 1993
ANNUAL SEVEN-DAY MINIMUM	2340	Oct 11	2340	Oct 11	659	Sep 2 1957
INSTANTANEOUS PEAK FLOW			44200	Mar 1	94400	Feb 26 1961
INSTANTANEOUS PEAK STAGE			16.09	Mar 1	24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	1.90	†1.84	1.62	†1.64	1.57	†1.60
ANNUAL RUNOFF (INCHES)	25.91	†25.02	22.03	†22.28	21.38	†21.66
10 PERCENT EXCEEDS	12900		9950		10300	
50 PERCENT EXCEEDS	5640		5090		4460	
90 PERCENT EXCEEDS	1040		1070		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	1920
LOWEST ANNUAL MEAN	2882	1914
HIGHEST DAILY MEAN	134000	Dec 10 1919
LOWEST DAILY MEAN	224	Sep 12 1925
ANNUAL SEVEN-DAY MINIMUM	248	Aug 29 1925
INSTANTANEOUS PEAK FLOW	a 134000	Dec 10 1919
INSTANTANEOUS PEAK STAGE	b 30.00	Dec 10 1919
INSTANTANEOUS LOW FLOW	c 224	Sep 12 1925
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 ft^3/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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.41	2.85	2.74	3.25	4.62	11.27	3.98	7.38	3.93	5.97	3.47	4.64
2	3.41	2.86	5.37	3.41	3.82	16.00	4.19	5.46	5.04	4.78	2.84	4.29
3	3.37	3.03	5.28	3.29	5.66	15.91	4.47	2.61	4.96	4.63	2.83	4.28
4	3.26	3.32	4.98	3.90	5.44	12.24	4.10	2.38	5.48	4.59	3.64	4.92
5	2.17	3.40	4.91	2.35	5.49	9.09	2.36	5.89	5.56	3.61	3.91	3.97
6	2.16	3.64	4.86	4.45	5.70	7.96	2.46	6.52	5.34	3.45	3.93	3.44
7	3.51	3.51	4.95	4.41	5.41	7.50	3.61	6.37	3.43	4.00	3.92	3.44
8	3.63	4.20	4.51	4.94	4.34	7.07	3.81	5.26	4.00	4.00	3.37	4.72
9	5.03	2.32	5.07	6.52	3.74	6.99	3.89	5.27	3.61	3.76	2.18	5.26
10	4.73	2.26	4.72	5.47	5.09	6.72	3.55	3.03	3.76	3.98	2.19	5.40
11	3.31	4.38	4.56	5.60	5.07	6.25	3.82	2.95	3.62	4.00	3.94	5.28
12	2.16	5.24	4.97	5.12	5.53	6.27	2.45	4.25	3.46	2.23	3.38	5.18
13	2.15	5.51	4.64	5.70	6.24	4.89	3.00	4.46	3.60	2.22	3.52	3.69
14	3.25	4.91	2.32	5.39	7.04	4.81	4.74	4.12	2.30	3.13	3.64	3.37
15	3.26	5.07	2.27	4.44	6.82	2.61	4.74	4.28	2.35	4.79	3.56	4.86
16	2.97	2.38	3.34	4.51	7.58	2.41	4.69	4.29	5.35	3.45	2.20	5.30
17	2.97	2.27	3.45	3.32	6.94	6.34	5.01	2.26	5.38	4.43	3.12	5.06
18	3.32	4.66	3.25	3.88	6.69	7.83	4.83	2.26	5.89	3.70	3.92	5.16
19	2.17	3.64	4.43	3.54	6.09	6.54	2.36	4.24	6.37	2.21	3.50	5.35
20	2.17	3.79	4.99	4.85	6.47	6.70	2.30	4.39	6.03	2.53	4.07	2.17
21	3.26	3.81	2.29	3.86	7.13	6.45	3.87	4.48	5.37	4.52	3.64	2.12
22	3.46	3.80	2.26	3.23	5.02	4.39	4.22	4.28	4.69	4.51	4.22	4.76
23	3.41	2.29	4.09	4.99	5.05	4.29	3.88	3.73	5.29	4.77	2.15	4.60
24	3.42	2.57	2.84	5.12	6.69	4.73	3.86	2.28	4.87	5.74	2.14	4.81
25	3.41	3.17	4.47	3.44	6.78	5.05	4.16	2.29	5.36	5.94	4.27	4.73
26	2.84	3.46	3.23	4.63	5.20	3.85	3.63	4.36	6.24	5.67	4.36	3.53
27	3.15	3.86	3.25	3.69	5.56	3.87	3.99	4.25	5.97	4.84	4.48	2.87
28	3.12	3.84	2.49	5.82	5.99	3.90	5.63	4.07	3.53	4.52	4.26	2.55
29	3.52	4.14	2.33	5.69	---	2.35	6.41	4.02	5.40	4.11	4.63	3.44
30	2.86	2.31	2.94	6.15	---	2.34	7.48	4.30	6.00	3.84	3.95	3.51
31	2.70	---	3.75	6.66	---	4.08	---	2.38	---	3.46	3.42	---
MEAN	3.15	3.55	3.86	4.57	5.76	6.47	4.05	4.13	4.74	4.11	3.50	4.22
MAX	5.03	5.51	5.37	6.66	7.58	16.00	7.48	7.38	6.37	5.97	4.63	5.40
MIN	2.15	2.26	2.26	2.35	3.74	2.34	2.30	2.26	2.30	2.21	2.14	2.12

WTR YR 1997 MEAN 4.33 MAX 16.00 MIN 2.12

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 mi^2, 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. 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 ft^3/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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4150	2490	11100	4840	10300	31400	6440	14200	6930	11800	3420	6120
2	5070	2020	12200	5310	7560	52300	4960	12500	7250	9530	2340	5320
3	4840	2240	11700	5540	7940	46800	5360	5140	8360	7290	3840	6230
4	3760	2750	9050	5440	9300	40100	6410	3030	9400	6770	5000	6400
5	2290	3820	8970	3790	9560	20100	e3300	10900	8930	5030	4940	6240
6	2170	4660	7940	6280	9440	17700	e2150	11900	9120	e5000	5340	3830
7	6160	5460	7940	7060	9280	16100	e4500	11700	4090	e6400	4930	3560
8	5570	5980	7210	8850	7650	13000	e5200	9480	5650	e5800	5190	5660
9	4330	3840	7680	12400	7160	13200	e5600	9030	7120	e5800	2070	8360
10	6570	2790	6690	18200	8760	13600	5680	3310	5430	5870	2050	8900
11	5620	3530	6400	15500	9280	11300	4080	4730	4480	5590	4080	8140
12	2390	5060	7190	8220	8720	11500	3350	7090	4650	2800	4210	7540
13	2180	6210	7800	8440	14100	10300	2330	6660	2940	2090	4810	3100
14	3350	6320	3740	8270	16200	9980	6350	6890	2340	3600	4250	4850
15	4070	7050	2760	7840	23700	6130	7780	5930	2200	4440	4290	6860
16	3930	5320	5410	8980	24800	2800	7320	5000	8720	6840	2130	7690
17	3640	2740	6830	8800	13300	7390	7660	2620	10800	5010	2480	7070
18	3500	5590	6880	5940	13800	14400	7600	2750	11400	5890	4980	7200
19	1970	5570	6720	6830	13800	14200	3600	5770	10800	2610	4650	7380
20	1990	4910	6380	8240	13900	12900	1870	5680	9360	2240	3930	1830
21	5060	5750	2530	6630	15000	11800	5020	6570	10400	6730	4840	1840
22	5180	4950	2300	5840	17100	7740	5610	6430	7960	6960	6190	5330
23	4590	1970	5990	7070	12000	6890	6340	5490	8600	8290	2160	6850
24	4340	2070	3940	7940	12300	6030	5410	2350	8260	8290	2000	6080
25	4880	3470	5170	9050	13900	9240	5260	2400	7480	9790	5000	6820
26	3840	3210	4300	7950	11600	7230	6270	5960	9820	7280	5540	6460
27	3570	4760	4050	8310	10700	4730	14900	6720	13300	8400	6390	3130
28	3540	3920	2210	9090	17200	6120	36500	6470	4690	7760	6080	3430
29	4090	4390	2330	9080	---	2010	30800	6750	9000	6410	6270	3930
30	3580	4550	5190	11300	---	3110	15600	6550	16400	5350	4420	4880
31	3360	---	5320	12600	---	6470	---	2570	---	3740	4390	---
TOTAL	123580	127390	193920	259630	348350	436570	233250	202570	235880	189400	132210	171030
MEAN	3986	4246	6255	8375	12440	14080	7775	6535	7863	6110	4265	5701
MAX	6570	7050	12200	18200	24800	52300	36500	14200	16400	11800	6390	8900
MIN	1970	1970	2210	3790	7160	2010	1870	2350	2200	2090	2000	1830

e Estimated

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3947	4853	6829	8901	10500	11660	10250	6643	5020	5108	4723	3966
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1929 - 1997	
ANNUAL TOTAL	3081090		2653780			
ANNUAL MEAN	8418	†8203	7271	†7343	6844	
HIGHEST ANNUAL MEAN					11050	1990
LOWEST ANNUAL MEAN					3507	1988
HIGHEST DAILY MEAN	60900	Mar 8	52300	Mar 2	120000	Feb 25 1961
LOWEST DAILY MEAN	1690	Sep 1	1830	Sep 20	480	Oct 31 1961
ANNUAL SEVEN-DAY MINIMUM	2890	Oct 30	2890	Oct 30	553	Oct 26 1931
INSTANTANEOUS PEAK FLOW			55500	Mar 2	145000	Feb 26 1961
INSTANTANEOUS PEAK STAGE			24.70	Mar 2	a47.80	Feb 25 1961
INSTANTANEOUS LOW FLOW	294	b				
ANNUAL RUNOFF (CFSM)	1.80	†1.76	1.56	†1.57	1.47	
ANNUAL RUNOFF (INCHES)	24.54	†23.85	21.14	†21.35	19.91	
10 PERCENT EXCEEDS	16200		12400		12400	
50 PERCENT EXCEEDS	6010		6120		5190	
90 PERCENT EXCEEDS	2520		2620		1870	

† 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.19	3.26	8.78	5.56	9.22	17.58	7.11	11.41	7.83	10.74	6.31	5.85
2	5.66	2.75	10.00	5.68	7.81	24.49	6.39	10.72	8.32	9.89	5.87	5.48
3	5.81	2.91	9.73	5.89	7.98	23.75	6.51	7.78	8.64	8.77	6.50	5.85
4	5.32	3.26	8.33	5.60	8.61	21.82	6.92	6.70	9.32	8.13	6.90	5.92
5	4.46	3.83	8.08	5.09	8.69	14.55	5.97	9.53	9.20	7.45	6.90	5.85
6	4.48	4.46	7.47	6.33	8.70	12.83	5.37	10.30	9.23	---	6.98	4.58
7	6.28	4.89	7.40	6.67	8.31	11.87	6.22	10.22	7.51	---	6.82	4.35
8	6.50	5.74	7.17	7.85	7.57	10.59	6.48	9.61	7.76	---	6.91	5.46
9	5.98	4.64	7.49	10.04	7.20	10.29	6.47	9.19	8.30	---	5.90	6.90
10	6.99	3.98	6.91	13.05	7.88	10.58	6.50	7.51	7.58	7.63	5.99	7.28
11	6.73	4.35	6.58	11.84	8.19	9.52	5.78	7.64	7.35	7.31	6.69	6.94
12	5.44	5.13	6.99	8.70	7.87	9.45	5.25	8.33	7.36	6.23	6.62	6.52
13	5.38	5.70	7.24	8.24	10.47	9.10	4.85	8.27	6.57	5.96	6.80	3.83
14	5.78	6.01	5.48	7.95	11.92	8.94	6.23	8.33	6.30	6.41	6.54	4.62
15	5.95	6.27	5.11	7.57	16.00	7.36	7.04	7.93	6.21	6.41	6.55	5.89
16	5.83	5.78	6.19	8.39	16.27	5.65	6.68	7.58	8.56	7.20	5.75	6.40
17	5.61	4.55	6.97	8.42	11.77	7.29	6.82	6.50	9.93	6.54	5.87	6.05
18	5.34	5.72	7.12	7.19	11.41	10.72	6.70	6.34	10.46	6.71	6.72	6.14
19	4.49	5.91	7.15	7.37	10.86	10.88	5.16	7.31	10.26	5.40	6.57	6.16
20	4.30	5.29	6.96	7.94	11.01	10.37	4.15	7.15	9.46	5.17	6.17	2.78
21	5.65	5.87	4.89	7.30	11.48	9.89	5.63	7.16	9.65	6.86	6.62	2.54
22	5.60	5.45	4.49	7.10	13.79	8.24	5.86	7.06	8.81	7.02	6.81	4.74
23	5.09	3.92	6.13	7.36	10.74	7.53	6.43	6.67	8.84	7.71	5.08	5.87
24	4.92	3.96	5.47	7.93	10.68	7.30	5.93	5.17	8.83	7.77	4.86	5.45
25	5.03	4.86	5.89	8.93	11.26	8.52	5.94	5.34	8.68	8.63	6.07	5.96
26	4.59	4.58	5.57	8.39	10.09	7.77	6.44	6.61	9.33	7.46	6.18	5.75
27	4.17	5.15	5.36	8.40	9.33	6.55	10.38	7.00	10.99	8.10	6.41	3.68
28	4.30	4.68	4.66	8.55	12.17	7.33	20.10	7.13	7.79	7.96	6.26	3.84
29	4.40	4.87	4.61	8.48	---	5.39	18.99	7.24	9.06	7.51	6.29	4.24
30	4.05	4.72	5.75	9.32	---	5.76	12.68	7.30	12.34	7.25	5.26	4.89
31	3.88	---	5.95	9.96	---	7.15	---	6.17	---	6.55	5.21	---
MEAN	5.26	4.75	6.64	7.97	10.26	10.61	7.37	7.78	8.68	---	6.27	5.33
MAX	6.99	6.27	10.00	13.05	16.27	24.49	20.10	11.41	12.34	---	6.98	7.28
MIN	3.88	2.75	4.49	5.09	7.20	5.39	4.15	5.17	6.21	---	4.86	2.54

CAL YR 1996 MEAN 7.73 MAX 29.44 MIN 2.75

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 mi^2.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 15	0830	3,730	10.27	Apr. 28	1430	3,660	10.18
Feb. 22	0515	*3,810	*10.37				

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	236	161	898	228	439	1310	413	625	304	241	447	112
2	399	165	1000	370	400	942	339	475	305	479	294	110
3	595	168	573	348	384	757	301	727	283	364	219	107
4	407	163	371	302	371	629	286	992	246	245	201	105
5	287	160	288	380	359	558	289	631	223	200	208	101
6	232	162	258	521	341	562	302	459	208	183	173	97
7	241	163	245	505	328	520	299	371	203	310	155	95
8	369	627	237	701	388	481	275	327	211	520	149	94
9	350	762	217	2470	435	464	257	316	202	398	170	94
10	267	511	205	1850	375	438	238	363	187	281	221	105
11	224	323	203	976	351	422	230	322	185	215	258	179
12	204	255	207	645	330	399	289	284	210	184	196	158
13	186	231	331	519	478	421	317	269	198	169	169	126
14	178	217	313	450	1320	856	266	251	179	164	177	113
15	170	205	259	418	3190	618	238	236	181	163	257	106
16	165	193	233	1290	1790	491	228	224	186	208	248	103
17	163	189	322	1040	1020	432	221	210	351	197	205	102
18	163	190	376	683	744	412	206	197	975	164	170	103
19	159	233	359	537	634	419	200	189	880	153	154	105
20	156	253	322	464	572	535	199	188	528	148	150	104
21	155	232	277	418	765	480	197	190	343	141	146	101
22	155	240	259	398	2980	421	212	185	278	144	137	98
23	156	230	243	477	1630	380	458	200	273	194	129	98
24	158	213	238	602	1020	348	417	248	236	220	124	102
25	155	214	246	1210	836	339	305	268	207	330	121	136
26	154	271	232	788	795	371	366	421	205	258	119	277
27	156	251	236	587	714	360	975	340	234	193	118	279
28	156	221	254	541	753	335	2990	270	242	226	116	225
29	157	208	245	554	---	341	1810	243	238	225	114	185
30	159	206	235	517	---	335	964	255	239	185	112	164
31	160	---	228	488	---	466	---	260	---	496	108	---
TOTAL	6872	7617	9910	21277	23742	15842	14087	10536	8740	7598	5565	3884
MEAN	222	254	320	686	848	511	470	340	291	245	180	129
MAX	595	762	1000	2470	3190	1310	2990	992	975	520	447	279
MIN	154	160	203	228	328	335	197	185	179	141	108	94
CFSM	.65	.74	.93	2.01	2.48	1.49	1.37	.99	.85	.72	.52	.38
IN.	.75	.83	1.08	2.31	2.58	1.72	1.53	1.15	.95	.83	.61	.42

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	200	284	440	659	787	999	694	361	258	283	254	194
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1968 - 1997	
ANNUAL TOTAL	169966		135670			
ANNUAL MEAN	464		372		451	
HIGHEST ANNUAL MEAN					750	1975
LOWEST ANNUAL MEAN					243	1985
HIGHEST DAILY MEAN	7160	Mar 7	3190	Feb 15	31600	Mar 17 1990
LOWEST DAILY MEAN	119	Jul 13	94	Sep 8,9	74	Jul 15 1986
ANNUAL SEVEN-DAY MINIMUM	134	Aug 18	99	Sep 4	75	Aug 2 1986
INSTANTANEOUS PEAK FLOW			3810	Feb 22	a46300	Mar 17 1990
INSTANTANEOUS PEAK STAGE			10.37	Feb 22	b32.12	Mar 17 1990
INSTANTANEOUS LOW FLOW			93	Sep 7,8,9	72	c
ANNUAL RUNOFF (CFSM)	1.36		1.09		1.32	
ANNUAL RUNOFF (INCHES)	18.49		14.76		17.93	
10 PERCENT EXCEEDS	902		690		856	
50 PERCENT EXCEEDS	259		253		276	
90 PERCENT EXCEEDS	155		147		135	

a From rating curve extended above 36,000 ft^3/s and flow-over-road measurement of peak flow.
b From floodmarks.
c July 16 and Aug 7, 1986.

APALACHICOLA RIVER BASIN

02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA.

LOCATION.--Lat 32°08'32", long 85°02'47", Stewart County, GA-Russell County, AL, Hydrologic Unit 03130003, on downstream side of bridge on State Highway 39 Spur, 0.4 mi downstream from Seaboard Coast Line Railroad bridge, 2.2 mi downstream from Hannahatchee Creek, 2.4 mi southwest of Omaha and at mile 119.7.
DRAINAGE AREA.--6060 mi^2.
PERIOD OF RECORD.--January 1997 to September 1997.
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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JAN											
30...	0745	81341	18.37	85	80	6.9	6.8	10.0	5.0	10.2	90
FEB											
06...	0500	81341	18.27	87	83	6.9	6.8	11.0	5.0	10.1	92
MAR											
06...	0500	81341	21.48	68	64	6.8	6.7	16.0	13.0	9.4	96
APR											
03...	0400	81341	17.97	82	78	6.8	6.9	17.0	8.0	9.0	93
MAY											
08...	0400	81341	19.16	66	62	6.9	6.9	19.5	18.0	8.9	97
JUN											
05...	0400	81341	18.58	76	71	6.9	7.0	22.0	19.0	8.1	94
JUL											
10...	0400	81341	18.60	78	75	6.8	6.9	28.0	25.0	7.1	92
AUG											
07...	0400	81341	17.28	85	82	7.0	7.3	28.0	25.0	6.7	86
SEP											
04...	0400	81341	17.14	90	87	6.9	7.0	28.5	27.0	6.1	81

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
JAN					
30...	81341	20	13	1.0	18
FEB					
06...	81341	35	12	1.7	18
MAR					
06...	81341	70	26	1.4	15
APR					
03...	81341	55	13	1.3	17
MAY					
08...	81341	40	20	1.0	14
JUN					
05...	81341	30	11	<1.0	13
JUL					
10...	81341	20	10	1.2	17
AUG					
07...	81341	10	5.0	1.2	19
SEP					
04...	81341	5	6.0	<1.0	22

APALACHICOLA RIVER BASIN

02342881 CHATTAHOOCHEE RIVER NEAR OMAHA, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN								
30...	81341	.630	.100	.30	.40	1.0	.040	3.0
FEB								
06...	81341	.670	.080	.32	.40	1.1	.040	2.0
MAR								
06...	81341	.520	.110	.59	.70	1.2	.050	3.0
APR								
03...	81341	.440	.150	.25	.40	.84	.060	3.0
MAY								
08...	81341	.880	.030	.37	.40	1.3	.100	2.0
JUN								
05...	81341	.480	.040	.26	.30	.78	.040	2.0
JUL								
10...	81341	.470	.040	.36	.40	.87	.040	4.0
AUG								
07...	81341	.300	.040	.26	.30	.60	.040	3.0
SEP								
04...	81341	.350	<.030	--	.40	.75	.040	3.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
JAN				
30...	0745	81341	18.37	1300
FEB				
06...	0500	81341	18.27	1400
MAR				
06...	0500	81341	21.48	430
APR				
03...	0400	81341	17.97	790
MAY				
08...	0400	81341	19.16	13000
JUN				
05...	0400	81341	18.58	230
JUL				
10...	0400	81341	18.60	50
17...	0400	81213	18.46	<20
23...	1050	81213	18.02	20
AUG				
07...	0400	81341	17.28	70
SEP				
04...	0400	81341	17.14	<20

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 mi^2.
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, 190.62 ft, Feb. 16; minimum elevation, 184.83 ft, Sept. 24.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY OBSERVATION AT 0700 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186.90	185.24	186.37	187.03	188.56	188.38	188.15	189.96	189.24	190.36	188.89	186.59
2	187.00	184.84	187.59	186.89	188.82	189.00	188.08	189.60	189.78	190.43	188.80	186.51
3	187.18	185.02	188.20	186.73	188.84	189.66	188.03	189.74	189.82	190.28	188.85	186.33
4	187.33	185.11	188.20	186.68	188.86	190.02	188.13	189.43	190.07	189.91	188.93	186.33
5	187.28	185.03	187.92	186.81	188.74	189.85	188.21	189.36	190.12	189.52	188.94	186.32
6	187.43	185.21	187.60	186.91	188.56	189.29	188.14	189.73	190.07	189.52	188.93	186.33
7	187.55	185.37	187.44	186.88	188.29	188.94	188.13	189.93	190.00	189.61	188.94	186.28
8	187.78	185.80	187.55	187.25	188.18	188.61	187.94	190.21	189.87	189.63	188.93	186.06
9	187.93	186.16	187.66	187.89	188.08	188.26	187.92	190.20	189.77	189.53	188.88	185.82
10	188.01	186.20	187.63	188.43	187.90	188.25	187.83	190.23	189.65	189.39	189.01	185.71
11	188.20	186.39	187.62	188.93	187.93	188.31	187.70	189.99	189.58	189.22	189.03	185.66
12	188.30	186.35	187.62	189.23	187.99	188.44	187.57	189.89	189.57	189.04	188.91	185.72
13	188.37	186.39	187.58	188.83	188.14	188.48	187.58	189.81	189.43	189.03	188.81	185.72
14	188.36	186.45	187.71	188.54	188.80	188.27	187.30	189.79	189.22	188.84	188.76	185.43
15	188.16	186.59	187.80	188.20	189.99	188.33	187.30	189.76	189.25	188.62	188.74	185.22
16	188.03	186.99	187.70	187.95	190.62	188.30	187.02	189.67	189.20	188.41	188.73	185.22
17	187.88	187.19	187.81	188.32	190.45	187.90	186.80	189.48	189.49	188.47	188.66	185.24
18	187.70	187.03	188.00	188.58	189.83	187.76	186.63	189.22	189.88	188.30	188.61	185.20
19	187.49	186.92	188.22	188.52	189.45	188.06	186.96	189.03	190.04	188.25	188.57	185.17
20	187.32	186.79	187.98	188.48	189.30	188.49	187.04	188.90	190.04	188.07	188.45	185.14
21	187.15	186.87	187.68	188.49	189.19	188.64	186.90	188.60	189.81	187.89	188.38	184.95
22	186.87	186.69	187.31	188.53	190.32	188.94	186.92	188.38	189.69	187.99	188.12	184.85
23	186.71	186.76	187.27	188.32	190.13	188.85	187.02	188.33	189.65	188.01	187.99	184.84
24	186.58	186.77	187.40	188.32	189.71	188.87	187.21	188.01	189.66	188.13	187.85	184.83
25	186.33	186.91	187.47	188.84	189.38	188.63	187.35	188.18	189.62	188.18	187.76	184.96
26	186.21	186.68	187.50	189.25	189.23	188.65	187.38	187.97	189.69	188.33	187.61	185.27
27	186.03	186.39	187.35	189.13	188.85	188.43	188.05	188.24	189.81	188.55	187.46	185.48
28	185.96	186.23	187.43	188.83	188.42	188.37	189.48	188.48	189.92	188.82	187.37	185.54
29	185.81	186.24	187.47	188.64	---	188.23	190.22	188.51	189.95	188.88	187.20	185.65
30	185.60	186.09	187.32	188.43	---	188.22	190.20	188.62	190.15	188.91	186.96	185.74
31	185.52	---	187.17	188.37	---	188.23	---	188.91	---	189.01	186.79	---
MEAN	187.19	186.22	187.60	188.14	189.02	188.60	187.77	189.23	189.73	188.94	188.38	185.60
MAX	188.37	187.19	188.22	189.25	190.62	190.02	190.22	190.23	190.15	190.43	189.03	186.59
MIN	185.52	184.84	186.37	186.68	187.90	187.76	186.63	187.97	189.20	187.89	186.79	184.83

CAL YR 1996 MEAN 187.89 MAX 190.73 MIN 184.84
WTR YR 1997 MEAN 188.04 MAX 190.62 MIN 184.83

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 mi^2, approximately.
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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5270	9140	3720	8000	10200	27700	11700	26500	1400	17600	7850	9130
2	9180	3140	9050	11500	7210	32000	8220	21400	8910	16200	3300	8790
3	12000	1630	15100	10900	11800	37300	8070	13600	7350	17800	3230	7080
4	7150	4780	19000	4230	12800	43200	7450	12400	9770	17400	6540	7350
5	2060	3680	18100	4510	16700	41800	5190	7690	10600	8640	7330	5870
6	1640	1590	17400	9010	18000	32300	5430	9790	13000	7730	6440	5870
7	5080	3550	7800	10100	17000	27200	9440	9110	7800	9500	6240	8050
8	7010	3260	4520	10400	15000	26900	9220	9940	9260	12000	6240	10200
9	5400	3960	9940	20800	12000	23900	10400	10300	10700	9950	2740	11200
10	5160	2520	10000	25100	12400	14300	8660	10200	8260	11800	4530	11600
11	4820	3350	7950	10800	10700	14400	10700	10600	6720	11300	7750	8980
12	2110	4910	8320	20300	10800	15800	6130	10100	9400	4520	8000	10400
13	2530	6090	10900	21500	11400	17400	8630	9690	9670	6590	7360	8990
14	8410	5820	5260	19100	15900	16700	9880	9150	4230	9370	7790	9070
15	8500	2690	2090	17300	30300	10400	12100	9260	4820	10200	5790	8270
16	7880	890	7910	18600	38800	10600	15100	9380	8710	7670	5860	7960
17	8090	1990	6270	11400	37900	14300	13600	9210	10100	9870	4640	8070
18	8420	9910	5630	13300	29700	15600	3270	7790	12900	8520	7190	8090
19	6500	10100	11000	9530	27300	11600	3440	9950	15800	7170	7970	8030
20	6410	8230	15800	11000	22100	10800	5470	10800	16000	7350	8140	6210
21	9530	7280	14200	8700	20500	13500	6890	12700	17100	7450	9420	4960
22	10200	7220	5060	11000	29700	12200	6420	11100	13300	7850	9490	5210
23	9540	3730	6060	12300	38900	8570	5370	12600	12100	8650	5810	7380
24	10600	1500	4360	13100	29300	12000	5230	2550	11700	10400	4550	4260
25	9080	7640	6800	9190	28200	15600	6190	7560	12400	9320	8920	6870
26	6600	7700	7290	15500	28400	13700	5230	5070	13600	5690	9020	5940
27	7350	11800	7370	20300	28000	10100	3530	4590	13600	5180	9010	3940
28	6620	8310	3560	20600	27800	12000	24800	8300	9340	7700	9110	2470
29	9340	9440	3850	17500	---	5230	51500	8070	13100	6880	11300	2730
30	5760	7270	9840	21000	---	5380	35400	3120	15100	7650	8790	3530
31	9180	---	11400	18600	---	10900	---	1070	---	9550	8690	---
TOTAL	217420	163120	275550	435170	598810	563380	322660	303590	316740	297500	219040	216500
MEAN	7014	5437	8889	14040	21390	18170	10760	9793	10560	9597	7066	7217
MAX	12000	11800	19000	25100	38900	43200	51500	26500	17100	17800	11300	11600
MIN	1640	890	2090	4230	7210	5230	3270	1070	1400	4520	2740	2470

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6803	8349	11320	14040	17350	19750	14130	10080	7584	8543	7422	6642
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1976 - 1997	
ANNUAL TOTAL	4438962		3929480			
ANNUAL MEAN	12130	†11870	10770	†10780	10970	
HIGHEST ANNUAL MEAN					15800	1990
LOWEST ANNUAL MEAN					5718	1988
HIGHEST DAILY MEAN	86100	Mar 9	51500	Apr 29	195000	Jul 7 1994
LOWEST DAILY MEAN	662	Jun 30	890	Nov 16	a.00	Nov 22 1987
ANNUAL SEVEN-DAY MINIMUM	2910	Jul 23	3090	Nov 2	1640	May 14 1985
INSTANTANEOUS PEAK FLOW			b56400	Apr 29	202000	Jul 7 1994
INSTANTANEOUS PEAK HEADWATER STAGE			103.28	May 17	123.98	Jul 7 1994
INSTANTANEOUS PEAK TAILWATER STAGE			99.34	Apr 29		
ANNUAL RUNOFF (CFSM)	1.48	†1.45	1.31	†1.31	1.34	
ANNUAL RUNOFF (INCHES)	20.11	†19.64	17.80	†17.83	18.16	
10 PERCENT EXCEEDS	24900		19000		21700	
50 PERCENT EXCEEDS	9580		9110		8800	
90 PERCENT EXCEEDS	3430		4120		1620	

† 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.
b Headwater gage height, 101.99 ft.

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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
30...	1030	81341	125	123	7.3	7.2	22.0	27.0	8.6	99
NOV										
20...	1055	81341	134	131	7.2	7.1	17.0	21.5	9.2	96
DEC										
18...	1100	81341	128	123	7.3	7.2	14.0	6.0	9.9	96
JAN										
22...	1040	81341	128	125	7.3	7.1	10.0	17.0	12.3	109
FEB										
19...	1120	81341	89	87	7.2	7.0	13.5	22.0	11.2	107
MAR										
19...	1105	81341	74	69	7.1	7.1	18.0	25.0	9.8	104
APR										
23...	0940	81341	111	64	7.4	7.2	21.5	18.5	8.1	94
MAY										
21...	0845	81341	86	82	7.1	7.2	22.0	25.0	8.7	100
JUN										
04...	0920	81341	105	100	7.1	7.2	24.5	24.0	7.8	95
JUL										
23...	1010	81341	113	107	7.1	7.0	28.5	30.5	7.0	90
AUG										
20...	1010	81341	112	109	7.1	7.1	30.0	31.0	6.9	92
SEP										
17...	0955	81341	128	125	7.5	7.2	29.0	27.5	7.3	95

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT						
30...	81341	10	7.0	1.4	30	8
NOV						
20...	81341	10	5.0	1.5	29	5
DEC						
18...	81341	30	7.0	1.1	29	5
JAN						
22...	81341	30	9.0	2.2	29	8
FEB						
19...	81341	30	7.0	1.3	23	7
MAR						
19...	81341	30	8.0	<1.0	18	5
APR						
23...	81341	15	7.0	2.2	27	--
MAY						
21...	81341	40	7.0	<1.0	24	9
JUN						
04...	81341	40	18	<1.0	27	17
JUL						
23...	81341	30	7.0	1.7	28	7
AUG						
20...	81341	20	7.0	2.0	29	10
SEP						
17...	81341	15	6.0	2.3	31	7

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
30...	81341	.460	.040	.36	.40	.86	.060	4.0
NOV								
20...	81341	.340	.060	.34	.40	.74	.060	4.0
DEC								
18...	81341	.580	.050	.25	.30	.88	.020	3.0
JAN								
22...	81341	.740	.040	.36	.40	1.1	.040	4.0
FEB								
19...	81341	.660	.060	.34	.40	1.1	<.020	3.0
MAR								
19...	81341	.550	.060	.24	.30	.85	.020	3.0
APR								
23...	81341	.520	<.030	--	.50	1.0	.050	5.0
MAY								
21...	81341	.400	.060	.34	.40	.80	.030	4.0
JUN								
04...	81341	.480	.060	.34	.40	.88	.080	4.0
JUL								
23...	81341	.450	.070	.53	.60	1.0	.040	5.0
AUG								
20...	81341	.270	.090	.51	.60	.87	.030	4.0
SEP								
17...	81341	.170	<.030	--	.50	.67	.040	4.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT			
30...	1030	81341	80
NOV			
20...	1055	81341	20
DEC			
18...	1100	81341	80
JAN			
22...	1040	81341	40
FEB			
19...	1120	81341	80
MAR			
19...	1105	81341	20
APR			
23...	0940	81341	270
MAY			
21...	0845	81341	110
JUN			
04...	0920	81341	220
JUL			
23...	1010	81341	70
AUG			
05...	1040	81213	80
12...	1020	81213	70
20...	1010	81341	60
SEP			
17...	0955	81341	130

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 mi^2.
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. Discharge affected by diversion by the Clayton County Water Authority.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 2	1345	1,390	9.72	Apr. 28	1900	2,830	12.03
Jan. 10	0515	2,120	11.13	July 24	1300	1,620	10.25
Feb. 15	2130	1,880	10.78	Sept. 26	1715	1,370	9.67
Mar. 1	1030	*7,640	*16.85	Sept. 29	1615	1,490	9.95

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	112	59	219	108	153	6660	110	188	301	84	142	28
2	84	80	1090	161	134	2290	99	136	370	133	90	27
3	90	289	698	143	124	620	95	280	146	77	64	27
4	75	262	183	111	120	345	93	919	105	56	56	27
5	63	83	121	138	127	260	93	468	89	48	57	25
6	56	69	106	511	144	235	107	156	82	42	50	24
7	54	65	102	469	117	270	204	122	81	42	44	24
8	68	138	100	369	391	189	130	107	111	51	42	23
9	100	417	92	893	854	163	99	100	86	53	41	27
10	71	255	81	1810	321	151	91	108	68	41	50	25
11	56	94	77	722	181	144	89	102	62	38	147	40
12	49	74	78	270	152	138	104	88	60	35	104	36
13	46	67	216	185	213	131	192	84	105	35	55	30
14	45	64	619	152	935	200	126	77	142	38	55	25
15	44	61	167	137	1580	550	89	65	341	43	115	23
16	43	57	105	267	1300	242	79	60	478	37	104	22
17	42	51	104	607	462	149	75	56	147	60	62	22
18	43	56	190	267	253	135	70	55	499	133	49	26
19	62	78	146	159	202	130	67	59	810	134	106	21
20	74	122	135	143	178	131	66	59	281	60	122	20
21	58	80	97	134	186	128	66	61	119	51	76	19
22	54	81	87	127	513	120	73	58	91	54	79	18
23	53	109	85	132	571	114	161	56	78	231	47	21
24	63	74	87	155	223	108	344	58	63	1300	40	32
25	67	66	119	326	174	106	138	78	57	801	37	152
26	59	89	124	512	159	125	94	99	68	233	35	937
27	56	194	122	218	158	154	155	72	89	105	34	779
28	60	107	204	184	1210	116	1630	123	133	76	33	491
29	66	76	161	446	---	151	1550	105	97	61	32	1260
30	62	69	108	320	---	169	448	171	70	84	31	767
31	60	---	96	189	---	118	---	334	---	129	29	---
TOTAL	1935	3386	5919	10365	11135	14542	6737	4504	5229	4365	2028	4998
MEAN	62.4	113	191	334	398	469	225	145	174	141	65.4	167
MAX	112	417	1090	1810	1580	6660	1630	919	810	1300	147	1260
MIN	42	51	77	108	117	106	66	55	57	35	29	18
CFSM	.48	.87	1.47	2.57	3.06	3.61	1.73	1.12	1.34	1.08	.50	1.28
IN.	.55	.97	1.69	2.97	3.19	4.16	1.93	1.29	1.50	1.25	.58	1.43

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	185	191	178	282	315	318	183	129	123	206	104	118
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1985 - 1997	
ANNUAL TOTAL	78767		75143			
ANNUAL MEAN	215		206		195	
HIGHEST ANNUAL MEAN					294	1996
LOWEST ANNUAL MEAN					102	1988
HIGHEST DAILY MEAN	4030	Jan 28	6660	Mar 1	11000	Jul 5 1994
LOWEST DAILY MEAN	29	Jul 14	18	Sep 22	7.0	Oct 14 1993
ANNUAL SEVEN-DAY MINIMUM	34	Jul 8	21	Sep 17	10	Oct 8 1993
INSTANTANEOUS PEAK FLOW			7640	Mar 1	a19000	Jul 5 1994
INSTANTANEOUS PEAK STAGE			16.85	Mar 1	b23.60	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.66		1.58		1.50	
ANNUAL RUNOFF (INCHES)	22.54		21.50		20.33	
10 PERCENT EXCEEDS	398		454		387	
50 PERCENT EXCEEDS	106		104		94	
90 PERCENT EXCEEDS	43		40		32	

a From rating curve extended above 7000 ft^3/s on basis of slope-conveyance study.
b From floodmarks.

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 mi^2.
PERIOD OF RECORD.--July 1975 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
24...	0500	81341	74	94	92	7.0	6.8	13.0	6.0	8.1	79
NOV											
21...	0500	81341	84	91	89	6.9	6.9	13.0	13.0	8.1	79
DEC											
19...	0930	81341	255	78	85	6.9	7.0	6.0	-4.0	8.7	71
JAN											
08...	0500	81341	780	56	54	6.9	6.7	9.0	3.0	8.6	76
FEB											
05...	0530	81341	154	77	70	6.9	6.9	14.0	16.0	9.0	89
MAR											
05...	0500	81341	550	56	54	6.7	7.3	16.0	11.0	9.1	94
APR											
02...	0400	81341	135	112	71	6.9	7.2	13.0	2.0	9.8	95
MAY											
07...	0400	81341	225	59	54	6.8	7.0	16.0	10.0	9.1	94
JUN											
04...	0400	81341	188	64	60	6.8	7.0	19.0	16.0	8.5	95
JUL											
09...	0400	81341	62	87	82	7.0	7.3	25.0	21.0	7.1	88
AUG											
06...	0400	81341	82	83	79	6.9	7.2	24.0	19.0	7.5	92
SEP											
03...	0400	81341	10	93	90	6.9	7.3	25.0	21.0	7.2	89

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT						
24...	81341	9.0	13	<1.0	28	4
NOV						
21...	81341	11	7	<1.0	30	4
DEC						
19...	81341	16	10	1.1	23	6
JAN						
08...	81341	48	20	1.3	15	20
FEB						
05...	81341	12	12	<1.0	20	9
MAR						
05...	81341	24	16	<1.0	11	15
APR						
02...	81341	12	11	1.0	25	9
MAY						
07...	81341	22	17	<1.0	20	10
JUN						
04...	81341	19	10	<1.0	20	15
JUL						
09...	81341	13	12	<1.0	32	6
AUG						
06...	81341	11	17	<1.0	26	5
SEP						
03...	81341	10	10	<1.0	33	5

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
24...	81341	.160	<.030	--	.20	.36	.040	4.0
NOV								
21...	81341	.180	<.030	--	.10	.28	.050	3.0
DEC								
19...	81341	.220	<.030	--	.50	.72	.040	3.0
JAN								
08...	81341	.110	<.030	--	.50	.61	.110	6.0
FEB								
05...	81341	.290	<.030	--	.20	.49	.040	3.0
MAR								
05...	81341	.170	.050	.35	.40	.57	.060	5.0
APR								
02...	81341	.190	.060	.34	.40	.59	.050	4.0
MAY								
07...	81341	.210	.060	--	--	--	.060	4.0
JUN								
04...	81341	.180	.030	.27	.30	.48	.060	4.0
JUL								
09...	81341	.290	.060	.34	.40	.69	.060	4.0
AUG								
06...	81341	.280	.030	.37	.40	.68	.050	4.0
SEP								
03...	81341	.160	<.030	--	.30	.46	.040	3.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
24...	0500	81341	74	110
NOV				
21...	0500	81341	84	490
DEC				
19...	0930	81341	255	330
JAN				
08...	0500	81341	780	2300
FEB				
05...	0530	81341	154	230
MAR				
05...	0500	81341	550	180
APR				
02...	0400	81341	135	130
MAY				
07...	0400	81341	225	330
JUN				
04...	0400	81341	188	700
JUL				
09...	0400	81341	62	490
16...	1020	81213	33	330
22...	1345	81213	70	790
AUG				
06...	0400	81341	82	490
SEP				
03...	0400	81341	10	170

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG									
12...	1230	81213	140	80	7.2	23.5	34.0	6.6	79

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG								
12...	81213	6.7	1.6	<1.0	<2.0	<0.5	<1.0	<1.0

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG							
12...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	4.8

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 mi^2.
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 ft^3/s for municipal supply at pumping plant 6 mi upstream from gage. Approximately 1 ft^3/s of the diversion discharged as sewage effluent into tributaries of Towaliga River, and approximately 3 ft^3/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 ft^3/s.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 11	1300	2,290	10.99	Apr. 28	0900	4,150	12.61
Feb. 16	0500	2,850	11.55	Sept. 28	2000	3,630	12.21
Mar. 2	0600	*8,400	*14.95				

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	297	67	531	182	341	5190	195	1210	e500	126	328	11
2	167	71	1060	388	276	7600	176	442	e510	129	225	9.2
3	130	87	942	415	244	3330	156	760	e480	165	136	8.3
4	117	214	1170	281	228	1360	147	1180	263	104	94	10
5	100	282	573	297	235	750	143	1110	175	75	75	9.9
6	73	127	229	377	244	532	143	1000	144	60	69	10
7	61	90	184	534	244	459	172	378	131	51	60	9.4
8	70	177	166	804	594	443	250	237	138	50	39	7.3
9	90	259	151	1290	883	368	191	200	164	57	32	5.9
10	113	353	134	1650	1030	314	142	184	131	61	31	5.4
11	87	352	120	2140	807	296	127	178	106	48	46	5.8
12	59	150	119	1530	368	279	143	164	120	41	135	6.1
13	50	101	203	686	411	266	176	137	102	38	100	13
14	45	86	320	355	836	292	244	128	205	36	49	16
15	43	79	527	287	2010	353	185	114	456	36	43	13
16	45	73	357	521	2640	548	123	93	432	44	98	9.0
17	49	68	196	602	2010	455	104	81	529	29	97	6.8
18	49	66	187	687	1140	273	93	75	364	69	54	6.5
19	49	74	260	555	553	249	86	70	503	146	41	7.8
20	58	89	225	316	397	249	82	78	811	134	78	8.1
21	78	138	195	270	458	242	79	118	609	61	114	6.2
22	64	122	151	250	1090	229	86	98	217	51	59	4.2
23	49	106	133	265	982	213	200	82	155	146	64	3.9
24	46	128	137	299	943	199	283	74	124	341	36	4.4
25	48	97	147	468	550	191	370	99	100	671	28	160
26	63	98	173	497	372	213	240	122	94	1160	23	609
27	60	121	270	629	358	242	530	146	100	571	19	633
28	51	212	310	475	915	249	3360	151	140	165	17	2440
29	52	151	321	425	---	210	2500	188	176	98	18	2590
30	58	104	264	523	---	237	2330	240	146	67	19	1590
31	61	---	193	551	---	251	---	324	---	231	15	---
TOTAL	2382	4142	9948	18549	21159	26082	13056	9461	8125	5061	2242	8219.2
MEAN	76.8	138	321	598	756	841	435	305	271	163	72.3	274
MAX	297	353	1170	2140	2640	7600	3360	1210	811	1160	328	2590
MIN	43	66	119	182	228	191	79	70	94	29	15	3.9
CFSM	.28	.51	1.18	2.20	2.78	3.09	1.60	1.12	1.00	.60	.27	1.01
IN.	.33	.57	1.36	2.54	2.89	3.57	1.79	1.29	1.11	.69	.31	1.12

e Estimated

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	163	251	365	521	619	704	532	302	228	254	168	124
MAX	863	1641	1009	1390	1880	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	137928		128426.2			
ANNUAL MEAN	377		352		351	
HIGHEST ANNUAL MEAN					573	1975
LOWEST ANNUAL MEAN					145	1986
HIGHEST DAILY MEAN	6470	Mar 8	7600	Mar 2	27000	Jul 6 1994
LOWEST DAILY MEAN	28	Jul 10	3.9	Sep 23	.79	Jul 2 1988
ANNUAL SEVEN-DAY MINIMUM	32	Jul 8	5.9	Sep 18	1.8	Jun 27 1988
INSTANTANEOUS PEAK FLOW			8400	Mar 2	a32500	Jul 6 1994
INSTANTANEOUS PEAK STAGE			14.95	Mar 2	b24.22	Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.39		1.29		1.29	
ANNUAL RUNOFF (INCHES)	18.86		17.56		17.54	
10 PERCENT EXCEEDS	776		778		726	
50 PERCENT EXCEEDS	167		164		190	
90 PERCENT EXCEEDS	49		36		58	

a From rating curve extended above 18,000 ft^3/s on basis of velocity-area and flow-over-road measurement of peak flow.
b From floodmarks.

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 mi^2, 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. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 10	1300	1,330	9.05	Apr. 28	2000	1,660	9.63
Feb. 15	2200	1,310	9.01	July 27	2000	1,150	8.70
Mar. 1	0900	*8,060	*14.31				

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	76	25	202	86	134	5830	78	195	124	115	448	17
2	59	35	567	171	110	1720	68	129	105	111	145	17
3	54	64	488	118	100	694	63	145	80	75	80	17
4	46	49	156	90	95	431	62	240	68	58	60	17
5	39	34	94	132	96	297	61	138	59	47	52	16
6	33	27	77	257	99	234	87	95	54	40	45	14
7	32	26	70	254	88	205	139	80	53	36	38	14
8	38	70	69	284	334	164	99	70	70	42	35	14
9	34	112	63	573	614	142	73	63	61	39	34	14
10	26	75	55	1230	348	107	63	67	48	36	39	16
11	23	44	50	711	232	78	57	63	40	32	66	20
12	22	33	49	273	159	73	83	54	38	26	56	20
13	20	28	153	207	195	104	104	50	41	25	46	18
14	20	26	132	189	471	327	80	46	72	25	43	17
15	19	25	83	137	1040	319	63	42	219	25	47	15
16	19	24	63	252	1080	183	57	40	136	22	47	15
17	19	24	69	331	537	131	53	36	107	489	41	14
18	19	25	96	224	319	117	50	34	335	525	35	13
19	20	31	86	157	195	113	46	33	645	89	58	13
20	20	36	72	116	152	116	45	32	276	58	50	12
21	20	34	59	103	170	111	44	28	316	42	39	12
22	18	68	53	94	375	102	47	27	228	50	32	11
23	19	56	52	106	338	93	118	26	101	348	27	11
24	20	39	52	117	213	87	149	30	75	473	23	11
25	20	35	66	225	155	83	92	44	64	301	21	129
26	19	59	63	242	137	104	77	51	67	103	22	652
27	20	76	110	176	130	117	132	51	78	68	22	359
28	22	54	180	185	803	96	1050	93	185	53	21	364
29	25	43	129	298	---	88	1190	76	133	45	20	512
30	25	39	95	240	---	87	464	101	95	71	19	288
31	25	---	81	182	---	80	---	119	---	682	18	---
TOTAL	871	1316	3634	7760	8719	12433	4794	2298	3973	4151	1729	2662
MEAN	28.1	43.9	117	250	311	401	160	74.1	132	134	55.8	88.7
MAX	76	112	567	1230	1080	5830	1190	240	645	682	448	652
MIN	18	24	49	86	88	73	44	26	38	22	18	11
CFSM	.28	.43	1.16	2.48	3.08	3.97	1.58	.73	1.31	1.33	.55	.88
IN.	.32	.48	1.34	2.86	3.21	4.58	1.77	.85	1.46	1.53	.64	.98

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	68.3	108	146	218	260	272	183	113	73.9	88.5	63.8	41.2
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	13.9	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1964 - 1997	
ANNUAL TOTAL	55986.9		54340			
ANNUAL MEAN	153		149		136	
HIGHEST ANNUAL MEAN					203	1996
LOWEST ANNUAL MEAN					55.5	1986
HIGHEST DAILY MEAN	3010	Mar 8	5830	Mar 1	15000	Jul 5 1994
LOWEST DAILY MEAN	9.9	Jul 20	11	Sep 22-24	1.0	Oct 7 1986
ANNUAL SEVEN-DAY MINIMUM	11	Jul 4	12	Sep 18	1.3	Oct 1 1986
INSTANTANEOUS PEAK FLOW			8060	Mar 1	28400	Jul 5 1994
INSTANTANEOUS PEAK STAGE			14.31	Mar 1	a20.1	Jul 5 1994
ANNUAL RUNOFF (CFSM)	1.51		1.47		1.34	
ANNUAL RUNOFF (INCHES)	20.62		20.01		18.26	
10 PERCENT EXCEEDS	280		322		277	
50 PERCENT EXCEEDS	58		69		71	
90 PERCENT EXCEEDS	18		20		16	

a Observed

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 mi^2, approximately.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 15	1200	11,700	13.69	Apr. 29	0100	18,600	18.36
Mar. 3	1800	*18,600	*18.37				

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	976	446	1860	1390	2530	9950	1410	7900	2420	1510	1850	252
2	1050	448	4830	1950	2100	14000	1270	5240	2470	1390	2200	251
3	1280	455	4540	2200	1850	17900	1200	2930	2410	1250	1900	231
4	1020	449	3480	2040	1720	16000	1140	3750	1980	1090	1170	214
5	804	505	2950	1880	1640	9490	1110	4380	1580	915	855	200
6	687	674	2060	2220	1660	4680	1100	3170	1300	777	786	189
7	649	653	1330	2290	1640	3340	1110	2540	1140	733	774	179
8	713	828	1120	2750	1940	2860	1180	1840	1060	1120	613	173
9	706	1050	994	7880	3500	2600	1240	1430	1030	821	543	167
10	665	1100	917	8390	3850	2370	1140	1470	1020	676	500	181
11	619	1030	855	7280	3920	2200	1020	1350	966	621	524	302
12	577	956	821	6210	3160	2050	1070	1190	910	575	514	259
13	523	779	1780	5200	2440	1920	1230	1100	919	547	569	223
14	484	660	1700	3300	4600	2290	1260	1010	909	503	635	213
15	462	613	1630	2250	10700	2860	1210	939	1200	492	562	214
16	446	579	1550	3640	10600	2720	1130	891	1770	526	656	212
17	436	558	1500	4430	9270	2650	998	833	1810	569	588	187
18	427	556	1350	3700	7570	2280	917	786	2520	549	593	175
19	420	582	1320	3170	5340	1940	869	748	2430	883	520	173
20	407	595	1320	2640	3460	1920	844	730	2620	1220	465	165
21	404	612	1220	2120	3110	1900	826	807	2790	907	495	155
22	412	651	1100	1870	7980	1790	828	844	2170	712	534	149
23	440	667	1020	1870	7180	1660	1320	826	1580	799	493	142
24	427	679	963	2060	5370	1540	1790	788	1230	1210	420	144
25	407	678	974	3380	4260	1460	1700	956	1010	1620	424	185
26	407	719	979	3290	3440	1480	1670	892	912	1910	383	2570
27	410	733	1050	2890	2880	1560	2000	1230	890	1900	350	4940
28	431	727	1880	2730	4060	1560	12800	2050	964	1580	325	4620
29	444	763	2140	2750	---	1520	16500	1640	1890	933	309	6880
30	433	770	1900	2700	---	1440	10700	1940	1700	755	278	7820
31	436	---	1590	2730	---	1410	---	2200	---	2020	257	---
TOTAL	18002	20515	52723	103200	121770	123340	72582	58400	47600	31113	21085	31765
MEAN	581	684	1701	3329	4349	3979	2419	1884	1587	1004	680	1059
MAX	1280	1100	4830	8390	10700	17900	16500	7900	2790	2020	2200	7820
MIN	404	446	821	1390	1640	1410	826	730	890	492	257	142
CFSM	.31	.37	.92	1.80	2.35	2.15	1.31	1.02	.86	.54	.37	.57
IN.	.36	.41	1.06	2.08	2.45	2.48	1.46	1.17	.96	.63	.42	.64

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	970	1388	2440	3252	4133	5245	3548	2042	1417	1739	1213	869
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1911 - 1997	
ANNUAL TOTAL	823069		702095			
ANNUAL MEAN	2249		1924		2339	
HIGHEST ANNUAL MEAN					4500	1920
LOWEST ANNUAL MEAN					1043	1941
HIGHEST DAILY MEAN	37400	Mar 8	17900	Mar 3	92000	Jul 6 1994
LOWEST DAILY MEAN	304	Jul 14	142	Sep 23	87	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	334	Jul 8	158	Sep 18	98	Jul 18 1986
INSTANTANEOUS PEAK FLOW			18600	Mar 3	100000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			18.37	Mar 3	a45.73	Jul 6 1994
INSTANTANEOUS LOW FLOW			b140	Sep 23,24	c81	Aug 7 1986
ANNUAL RUNOFF (CFSM)	1.22		1.04		1.26	
ANNUAL RUNOFF (INCHES)	16.55		14.12		17.18	
10 PERCENT EXCEEDS	4360		3880		4840	
50 PERCENT EXCEEDS	952		1140		1360	
90 PERCENT EXCEEDS	434		411		449	

a From floodmarks.
b Gage height, 1.09 ft.
c Gage height, 0.83.ft.

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 mi^2, 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, except those for the period Aug. 8 to Sept. 4, which are fair. 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 ft^3/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 ft^3/s, from rating curve extended above 65,000 ft^3/s.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	1300	13,000	13.58	May 2	1700	14,800	14.42
Mar. 6	1400	*19,100	*16.32				

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	1430	978	1660	2340	3760	4930	2410	10700	3090	2790	3380	777
2	1620	1000	2750	2430	3620	6010	2370	14400	3370	2560	3470	773
3	1800	1020	4650	2790	3270	7380	2250	13800	3630	2350	3170	763
4	2030	1010	5400	3040	2970	9800	2130	11200	3520	2160	2910	748
5	1950	1010	4950	2970	2780	14900	2050	7040	3100	1930	2360	745
6	1650	1010	3930	2880	2650	18800	1990	5470	2630	1750	1870	723
7	1480	1060	3180	3150	2590	17200	1950	4840	2270	2000	1590	704
8	1680	1380	2450	3590	2590	12900	1930	3810	2060	1960	1510	690
9	1780	1790	2070	4850	2710	7340	1930	3080	1930	1950	1410	684
10	1690	2020	1880	7200	3610	4390	1970	2610	1830	1890	1320	680
11	1500	2060	1760	8420	4280	3820	1940	2470	1780	1590	1390	693
12	1340	1910	1680	9540	4510	3520	1850	2320	1740	1440	1440	715
13	1240	1680	1650	10500	4380	3300	1830	2130	1700	1360	1320	760
14	1180	1520	2070	10200	4170	3170	1920	1980	1670	1310	1260	747
15	1120	1360	2470	8490	6020	3230	1960	1860	1800	1280	1380	713
16	1080	1270	2330	5560	7790	3660	1940	1760	1930	1260	1420	697
17	1050	1210	2260	4990	9070	3700	1870	1680	2320	1260	1490	689
18	1030	1180	2290	5900	11400	3590	1760	1610	2970	1280	1390	687
19	1010	1190	2390	5840	12900	3390	1670	1570	3730	1300	1270	679
20	996	1250	2340	4950	12300	3110	1610	1550	3890	1310	1210	670
21	986	1270	2220	4140	10600	3000	1570	1530	3700	1630	1130	662
22	975	1270	2080	3500	8310	2960	1560	1500	3530	1650	1070	650
23	966	1260	1930	3180	7450	2840	1630	1520	3160	1560	1040	646
24	967	1270	1830	3160	8300	2690	1900	1560	2580	1470	1030	650
25	979	1270	1770	3510	9410	2560	2340	1990	2360	1800	988	698
26	965	1290	1750	4370	9590	2490	2390	2020	2090	2070	937	965
27	956	1310	1730	4800	7900	2460	2700	2050	1910	2360	901	1820
28	960	1330	1740	4400	5530	2490	3410	3300	1910	2600	867	4100
29	964	1310	2090	3980	---	2510	5220	3890	1930	2620	840	4950
30	976	1310	2560	3910	---	2480	7230	3110	2380	2190	819	5270
31	983	---	2510	3830	---	2440	---	2750	---	2460	793	---
TOTAL	39333	39798	76370	152410	174460	167060	69280	121100	76510	57140	46975	34748
MEAN	1269	1327	2464	4916	6231	5389	2309	3906	2550	1843	1515	1158
MAX	2030	2060	5400	10500	12900	18800	7230	14400	3890	2790	3470	5270
MIN	956	978	1650	2340	2590	2440	1560	1500	1670	1260	793	646
CFSM	.44	.46	.85	1.70	2.15	1.86	.80	1.35	.88	.64	.52	.40
IN.	.50	.51	.98	1.96	2.24	2.14	.89	1.55	.98	.73	.60	.45

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1701	2109	3562	4880	5976	6762	5579	3296	2381	2628	2107	1568
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	838	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1905 - 1997	
ANNUAL TOTAL	1249583		1055184			
ANNUAL MEAN	3414		2891		3558	
HIGHEST ANNUAL MEAN					5593	1975
LOWEST ANNUAL MEAN					1752	1988
HIGHEST DAILY MEAN	35700	Mar 10	18800	Mar 6	130000	Jul 7 1994
LOWEST DAILY MEAN	937	Aug 21	646	Sep 23	448	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	965	Oct 23	663	Sep 18	477	Aug 4 1986
INSTANTANEOUS PEAK FLOW			19100	Mar 6	136000	Jul 8 1994
INSTANTANEOUS PEAK STAGE			16.32	Mar 6	a34.11	Jul 8 1994
INSTANTANEOUS LOW FLOW			640	Sep 23	440	Aug 8 1986
ANNUAL RUNOFF (CFSM)	1.18		1.00		1.23	
ANNUAL RUNOFF (INCHES)	16.03		13.54		16.67	
10 PERCENT EXCEEDS	6540		5540		7050	
50 PERCENT EXCEEDS	1810		1990		2360	
90 PERCENT EXCEEDS	1030		966		1060	

a From floodmarks

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	1.13	2.51	3.73	5.79	7.24	3.85	12.19	4.87	4.44	5.28	.79
2	2.48	1.18	4.27	3.87	5.60	8.41	3.79	14.22	5.27	4.09	5.40	.78
3	2.82	1.23	6.85	4.43	5.12	9.68	3.58	13.95	5.63	3.76	4.98	.76
4	3.21	1.20	7.73	4.81	4.70	11.55	3.38	12.52	5.47	3.44	4.61	.73
5	3.08	1.19	7.21	4.71	4.42	14.41	3.25	9.33	4.88	3.05	3.77	.72
6	2.53	1.19	5.98	4.57	4.22	16.19	3.14	7.85	4.18	2.73	2.94	.66
7	2.20	1.32	4.96	4.96	4.13	15.49	3.09	7.12	3.63	3.16	2.47	.61
8	2.58	1.99	3.89	5.56	4.13	13.46	3.05	5.85	3.27	3.09	2.32	.57
9	2.78	2.80	3.29	7.11	4.32	9.55	3.05	4.86	3.04	3.08	2.13	.55
10	2.61	3.20	2.96	9.52	5.59	6.58	3.11	4.16	2.87	2.96	1.97	.54
11	2.25	3.26	2.73	10.54	6.46	5.88	3.06	3.94	2.77	2.41	2.09	.58
12	1.92	3.00	2.58	11.39	6.74	5.48	2.90	3.71	2.71	2.12	2.20	.64
13	1.72	2.58	2.54	12.10	6.58	5.17	2.87	3.38	2.62	1.97	1.96	.75
14	1.58	2.29	3.27	11.85	6.32	4.99	3.03	3.14	2.56	1.86	1.85	.72
15	1.46	1.97	3.94	10.58	8.40	5.07	3.11	2.93	2.81	1.80	2.08	.63
16	1.37	1.77	3.71	7.92	10.03	5.66	3.05	2.74	3.05	1.76	2.16	.59
17	1.30	1.65	3.60	7.30	11.04	5.71	2.94	2.60	3.70	1.75	2.27	.57
18	1.26	1.58	3.65	8.31	12.64	5.57	2.74	2.46	4.70	1.79	2.09	.56
19	1.20	1.61	3.82	8.25	13.51	5.30	2.57	2.39	5.76	1.85	1.86	.54
20	1.17	1.73	3.73	7.26	13.21	4.90	2.45	2.35	5.96	1.86	1.75	.51
21	1.14	1.78	3.54	6.28	12.13	4.74	2.38	2.30	5.71	2.50	1.59	.49
22	1.12	1.78	3.30	5.45	10.44	4.69	2.36	2.25	5.48	2.53	1.46	.46
23	1.10	1.76	3.04	5.01	9.75	4.51	2.49	2.29	4.97	2.36	1.40	.45
24	1.10	1.77	2.86	4.97	10.45	4.29	2.99	2.37	4.12	2.19	1.38	.46
25	1.13	1.77	2.76	5.45	11.30	4.09	3.73	3.15	3.77	2.80	1.28	.59
26	1.09	1.82	2.72	6.56	11.43	3.97	3.82	3.20	3.32	3.28	1.17	1.22
27	1.07	1.86	2.68	7.08	10.10	3.93	4.30	3.24	3.01	3.77	1.09	2.81
28	1.08	1.89	2.69	6.60	7.89	3.98	5.31	5.16	3.01	4.14	1.01	6.22
29	1.09	1.86	3.31	6.08	---	4.01	7.54	5.96	3.04	4.18	.95	7.26
30	1.12	1.86	4.09	5.99	---	3.96	9.55	4.90	3.78	3.48	.90	7.63
31	1.14	---	4.01	5.88	---	3.89	---	4.37	---	3.91	.84	---
MEAN	1.74	1.87	3.81	6.91	8.09	6.85	3.55	5.19	4.00	2.84	2.23	1.35
MAX	3.21	3.26	7.73	12.10	13.51	16.19	9.55	14.22	5.96	4.44	5.40	7.63
MIN	1.07	1.13	2.51	3.73	4.13	3.89	2.36	2.25	2.56	1.75	.84	.45

CAL YR 1996 MEAN 4.34 MAX 21.07 MIN 1.03
WTR YR 1997 MEAN 4.02 MAX 16.19 MIN .45

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 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
31...	1055	81341	982	57	57	7.1	7.0	19.5	23.0	8.6	94
NOV											
21...	1225	81341	1280	53	53	6.8	--	16.0	21.5	9.7	100
DEC											
19...	1150	81341	2400	52	53	6.9	6.7	9.0	-0.5	10.4	90
JAN											
23...	1130	81341	3180	43	41	6.7	6.4	9.5	19.5	11.3	99
FEB											
20...	1210	81341	12300	41	40	6.3	6.2	12.5	26.5	9.5	89
MAR											
20...	1215	81341	3090	45	43	6.9	6.9	17.0	23.0	9.2	96
APR											
24...	0955	81341	1840	48	47	7.1	7.0	18.5	19.0	8.5	92
MAY											
22...	1025	81341	1500	48	47	7.0	7.0	23.0	28.0	7.8	91
JUN											
05...	0635	81341	3220	48	46	7.0	7.0	20.0	16.0	7.7	86
JUL											
24...	1050	81341	1460	61	58	7.1	7.1	27.5	30.5	7.0	89
AUG											
21...	1105	81341	1130	59	59	7.0	7.0	27.5	30.0	6.9	88
SEP											
18...	1145	81341	690	57	56	7.3	7.0	22.0	33.0	8.2	95

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
31...	81341	10	6.0	1.5	20	7	.140	<.030	.020	3.0
NOV										
21...	81341	--	--	--	17	10	.150	<.030	.030	3.0
DEC										
19...	81341	50	14	--	11	16	.240	<.030	.030	3.0
JAN										
23...	81341	55	18	1.1	9	23	.460	<.030	.030	3.0
FEB										
20...	81341	20	16	<1.0	6	6	.820	.070	<.020	5.0
MAR										
20...	81341	50	14	1.7	13	16	.270	.030	.030	4.0
APR										
24...	81341	--	--	--	--	17	.190	<.030	.040	2.0
MAY										
22...	81341	--	10	<1.0	14	14	.220	<.030	.020	2.0
JUN										
05...	81341	65	36	<1.0	13	32	.240	<.030	.070	4.0
JUL										
24...	81341	50	12	1.1	17	14	.230	<.030	.030	3.0
AUG										
21...	81341	35	9.0	1.1	27	12	.230	<.030	.040	3.0
SEP										
18...	81341	30	5.0	--	20	7	.140	<.030	<.020	2.0

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
31...	1055	81341	982	20
DEC				
19...	1150	81341	2400	230
JAN				
23...	1130	81341	3180	230
FEB				
20...	1210	81341	12300	230
MAR				
20...	1215	81341	3090	50
MAY				
22...	1025	81341	1500	50
JUN				
05...	0635	81341	3220	50
JUL				
24...	1050	81341	1460	170
AUG				
06...	1035	81213	1880	<20
13...	1045	81213	1310	20
21...	1105	81341	1130	50
SEP				
18...	1145	81341	690	<20

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 mi^2, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 9	1300	787	10.40	Feb. 22	1200	*1,310	*11.23
Feb. 15	1200	699	10.21				

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	8.5	6.1	32	10	50	107	23	37	63	21	120	4.3
2	14	7.4	42	41	46	96	19	31	45	24	55	4.4
3	11	7.4	18	27	43	85	18	47	54	14	29	4.3
4	8.1	6.8	12	20	40	76	17	145	40	10	36	4.2
5	7.1	6.7	10	21	39	68	17	64	30	14	26	4.2
6	6.6	6.7	9.4	21	36	64	16	39	25	34	18	4.1
7	12	7.0	11	29	35	56	16	29	22	22	13	4.1
8	27	22	12	110	37	51	15	24	20	55	16	4.1
9	19	14	9.5	636	38	50	14	26	18	28	11	4.0
10	16	9.4	8.1	478	32	48	13	40	15	15	11	4.2
11	14	8.0	8.1	184	31	47	12	24	14	11	10	4.2
12	12	7.1	8.9	123	29	45	12	19	14	8.8	8.7	4.1
13	11	6.5	9.8	94	43	41	13	18	13	8.0	7.9	4.0
14	10	6.3	8.8	70	167	65	12	16	13	7.2	7.1	3.8
15	8.9	5.9	8.1	61	554	68	11	14	13	6.7	8.3	3.8
16	10	5.5	8.1	85	279	51	11	13	12	6.6	8.9	3.8
17	18	5.5	8.5	86	167	44	9.9	12	13	6.5	19	3.8
18	7.8	5.3	10	59	125	41	9.4	11	18	8.4	22	3.8
19	6.2	6.5	20	51	99	41	9.0	10	21	11	12	3.8
20	5.9	7.0	15	47	85	43	8.8	11	16	7.6	8.5	3.8
21	5.8	8.0	11	44	116	41	8.7	11	13	8.7	6.6	3.7
22	7.1	7.3	9.5	42	1070	39	8.7	10	11	6.6	5.8	3.7
23	6.3	6.8	9.2	44	540	32	15	11	9.5	6.6	5.3	3.7
24	5.7	6.6	9.9	48	250	28	15	12	9.3	13	4.9	7.4
25	5.4	6.8	12	75	193	26	11	58	9.5	83	4.6	16
26	5.3	7.9	10	67	178	28	19	40	13	23	4.5	29
27	5.5	7.3	9.4	49	146	28	36	35	17	18	4.4	30
28	5.7	6.9	9.1	45	121	26	92	68	30	25	4.3	27
29	5.9	6.6	9.3	44	---	29	109	38	17	19	4.2	22
30	6.1	6.5	11	62	---	26	55	26	16	34	4.2	14
31	6.3	---	9.2	60	---	28	---	25	---	103	4.2	---
TOTAL	298.2	227.8	378.9	2833	4589	1518	645.5	964	624.3	658.7	500.4	237.3
MEAN	9.62	7.59	12.2	91.4	164	49.0	21.5	31.1	20.8	21.2	16.1	7.91
MAX	27	22	42	636	1070	107	109	145	63	103	120	30
MIN	5.3	5.3	8.1	10	29	26	8.7	10	9.3	6.5	4.2	3.7
CFSM	.21	.17	.27	2.03	3.64	1.09	.48	.69	.46	.47	.36	.18
IN.	.25	.19	.31	2.34	3.79	1.25	.53	.80	.52	.54	.41	.20

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12.1	16.3	36.3	78.4	111	105	68.7	33.8	27.2	36.7	20.7	9.91
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1958 - 1997	
ANNUAL TOTAL	14350.9		13475.1			
ANNUAL MEAN	39.2		36.9		46.1	
HIGHEST ANNUAL MEAN					97.9	1964
LOWEST ANNUAL MEAN					9.87	1988
HIGHEST DAILY MEAN	626	Mar 7	1070	Feb 22	3900	Jul 6 1994
LOWEST DAILY MEAN	4.1	Jul 4	3.7	Sep 21-23	2.0	Oct 5 1968
ANNUAL SEVEN-DAY MINIMUM	4.8	Jun 28	3.8	Sep 17	2.1	Jul 10 1986
INSTANTANEOUS PEAK FLOW			1310	Feb 22	5820	Jul 6 1994
INSTANTANEOUS PEAK STAGE			11.23	Feb 22	14.29	Jul 6 1994
INSTANTANEOUS LOW FLOW			3.5	Sep 21,22	1.9	a
ANNUAL RUNOFF (CFSM)	.87		.82		1.02	
ANNUAL RUNOFF (INCHES)	11.86		11.14		13.91	
10 PERCENT EXCEEDS	92		68		108	
50 PERCENT EXCEEDS	14		14		16	
90 PERCENT EXCEEDS	5.7		5.5		4.8	

a Oct 5, 1968, June 1,1974, and July 11-15, 1986

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 mi^2, 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, except those for periods of estimated daily discharge, which are fair. 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 ft^3/s. Flood in March 1929 reached a stage of 34.0 ft, from floodmarks, 85,000 ft^3/s.

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	2120	1730	2080	3210	5700	e6700	3210	8030	4120	3730	5630	806
2	2700	1130	4330	3530	4700	e6000	3310	6210	5950	4530	5530	1250
3	2500	1650	4860	4000	4650	e7100	2540	10200	5100	3410	4940	1290
4	2380	2990	5880	4370	4890	8750	2600	14700	5600	3340	4910	866
5	2840	3790	5890	3250	3920	12600	2560	14100	5570	3200	3770	748
6	2450	3780	5650	3700	4990	14000	2650	9110	4690	2910	2800	752
7	3480	3770	3200	4860	5100	19200	2540	8110	4010	3020	2610	765
8	3290	3800	2870	5380	3880	19800	3390	6780	3210	3270	2360	759
9	854	3770	3260	6380	1690	16800	2380	4550	2830	2990	2020	759
10	2440	3760	2580	8270	4730	8480	2290	4330	2260	2980	1810	759
11	2000	4720	2550	10400	5850	5100	2320	3440	2360	2650	2340	763
12	3000	3730	2370	11600	5520	4020	1990	3140	2370	1950	2420	718
13	1480	3690	2520	10200	6350	5210	2030	2940	2550	1690	e2000	751
14	2520	2970	990	11800	8370	5080	2520	2690	4190	1930	1970	755
15	1070	2500	964	11100	8850	4950	2260	2190	3140	2090	1850	753
16	1930	2490	1440	12300	11400	4670	2350	2300	2700	1980	1950	753
17	1400	1700	986	9460	13800	4590	2240	2170	3470	1090	2030	751
18	1480	893	2210	9760	12400	3970	2330	2210	4200	852	2360	766
19	1860	2130	2560	6700	12900	4780	2130	2120	5000	1560	2450	744
20	1270	1470	2360	7760	14900	4730	1800	1670	5640	1670	1500	738
21	1030	1880	1850	5670	14000	4180	1750	1790	4490	1930	1490	737
22	994	2110	e1800	4980	19600	4170	2090	1810	4040	2040	1540	737
23	2160	2400	e1800	4940	21800	3400	1940	2080	4880	1820	874	737
24	1260	2280	e2200	6340	16900	3270	2630	2130	4370	2040	957	737
25	1160	910	e2400	5970	15900	4010	3140	2460	4270	2390	1330	751
26	1140	2320	e2200	5530	13000	3410	3080	3250	4300	2900	1250	3000
27	1770	2090	e2500	8210	8730	3320	3600	4560	3300	3540	1040	3550
28	1420	1820	e2700	5720	e7400	2830	5960	5850	2950	3720	1140	3900
29	1900	2150	e2800	6070	---	2990	12800	5650	3200	3830	1360	4670
30	894	1160	e3000	5780	---	2870	13500	6910	4200	3360	1240	5660
31	1530	---	3300	5780	---	3980	---	4780	---	5360	932	---
TOTAL	58322	75583	86100	213020	261920	204960	99930	152260	118960	83772	70403	40725
MEAN	1881	2519	2777	6872	9354	6612	3331	4912	3965	2702	2271	1358
MAX	3480	4720	5890	12300	21800	19800	13500	14700	5950	5360	5630	5660
MIN	854	893	964	3210	1690	2830	1750	1670	2260	852	874	718
CFSM	.48	.65	.72	1.77	2.41	1.70	.86	1.27	1.02	.70	.59	.35
IN.	.56	.72	.83	2.04	2.51	1.97	.96	1.46	1.14	.80	.67	.39

e Estimated

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2410	2729	4470	6022	7008	8386	6768	3896	2769	3735	2609	2025
MAX	10690	7848	17020	14120	14320	16130	18890	11000	5543	29160	6360	4501
(WY)	1930	1931	1949	1936	1936	1952	1936	1953	1934	1994	1994	1953
MIN	858	1105	1568	1705	2524	3048	3331	1825	1111	774	683	933
(WY)	1956	1934	1991	1956	1989	1955	1997	1941	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1930 - 1997	
ANNUAL TOTAL	1636784		1465955			
ANNUAL MEAN	4472		4016		4408	
HIGHEST ANNUAL MEAN					6918	1949
LOWEST ANNUAL MEAN					2456	1955
HIGHEST DAILY MEAN	32700	Mar 13	21800	Feb 23	109000	Jul 10 1994
LOWEST DAILY MEAN	733	Sep 21	718	Sep 12	152	Jun 8 1941
ANNUAL SEVEN-DAY MINIMUM	1150	Aug 19	740	Sep 19	589	Nov 20 1933
INSTANTANEOUS PEAK FLOW			24300	Feb 23	112000	Jul 10 1994
INSTANTANEOUS PEAK STAGE			17.06	Feb 23	a40.1	Jul 10 1994
ANNUAL RUNOFF (CFSM)	1.15		1.04		1.14	
ANNUAL RUNOFF (INCHES)	15.69		14.06		15.43	
10 PERCENT EXCEEDS	9990		8230		8720	
50 PERCENT EXCEEDS	2620		2980		3090	
90 PERCENT EXCEEDS	1250		1040		1200	

a From floodmarks.

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE 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, 11.3 mi east of Dawson, and 5.2 mi northwest of Leesburg.
DRAINAGE AREA.--527 mi^2, approximately.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 13	1600	1,910	10.68	Feb. 23	1700	*2,830	*12.78
Feb. 19	0600	1,720	10.12	May 1	1500	1,780	10.29

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	332	175	305	409	808	1190	406	1760	336	403	457	82
2	355	176	612	542	729	1060	382	1740	392	401	395	81
3	412	188	745	520	655	999	358	1460	377	328	433	78
4	428	216	802	518	612	923	331	821	376	274	509	78
5	395	247	993	475	588	875	312	663	368	248	434	79
6	343	233	1130	459	565	796	304	665	320	268	299	78
7	292	220	845	455	542	728	308	659	278	369	249	78
8	395	253	539	579	547	678	303	485	249	287	227	77
9	480	497	503	973	558	639	290	351	229	278	271	71
10	470	568	459	1350	543	612	276	304	216	344	339	71
11	418	574	426	1520	540	601	257	275	199	256	391	77
12	326	535	404	1630	529	590	255	263	194	189	371	111
13	265	414	401	1890	526	582	275	249	202	157	363	106
14	235	311	500	1650	811	606	292	232	420	141	292	97
15	217	277	577	1070	1560	604	285	217	502	131	240	89
16	204	259	561	747	1680	563	259	204	426	140	228	83
17	196	248	480	756	1580	530	242	187	486	200	222	79
18	189	242	485	790	1640	504	226	178	574	191	211	75
19	181	242	578	824	1690	495	214	164	531	186	197	74
20	174	255	657	840	1400	513	210	154	528	255	177	76
21	169	268	630	783	929	514	220	145	556	323	152	74
22	167	291	566	634	1490	506	252	147	457	291	134	72
23	163	308	493	593	2600	484	261	184	330	257	124	73
24	161	298	454	589	2390	446	343	485	273	245	115	76
25	163	278	462	785	2300	416	367	531	237	218	108	91
26	165	272	456	980	2280	399	373	441	222	203	104	168
27	166	283	433	954	1900	421	541	421	232	280	97	423
28	168	291	418	921	1440	422	1340	581	322	422	87	475
29	169	288	409	899	---	413	1590	567	535	642	82	380
30	171	271	404	849	---	422	1650	425	517	679	83	289
31	173	---	401	838	---	430	---	346	---	452	83	---
TOTAL	8142	8978	17128	26822	33432	18961	12722	15304	10884	9058	7474	3761
MEAN	263	299	553	865	1194	612	424	494	363	292	241	125
MAX	480	574	1130	1890	2600	1190	1650	1760	574	679	509	475
MIN	161	175	305	409	526	399	210	145	194	131	82	71
CFSM	.50	.57	1.05	1.64	2.27	1.16	.80	.94	.69	.55	.46	.24
IN.	.57	.63	1.21	1.89	2.36	1.34	.90	1.08	.77	.64	.53	.27

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	252	391	564	789	965	1047	594	385	300	527	235	201
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1985 - 1997	
ANNUAL TOTAL	189807		172666			
ANNUAL MEAN	519		473		523	
HIGHEST ANNUAL MEAN					819	1994
LOWEST ANNUAL MEAN					294	1988
HIGHEST DAILY MEAN	2520	Mar 11	2600	Feb 23	25000	Jul 7 1994
LOWEST DAILY MEAN	89	Aug 24	71	Sep 9	39	Jul 15 1986
ANNUAL SEVEN-DAY MINIMUM	105	Aug 21	74	Sep 18	41	Jul 12 1986
INSTANTANEOUS PEAK FLOW			2830	Feb 23	a29500	Jul 7 1994
INSTANTANEOUS PEAK STAGE			12.78	Feb 23	26.56	Jul 7 1994
INSTANTANEOUS LOW FLOW			70	Sep 9,10	38	Jul 14 1986
ANNUAL RUNOFF (CFSM)	.98		.90		.99	
ANNUAL RUNOFF (INCHES)	13.40		12.19		13.48	
10 PERCENT EXCEEDS	1120		908		1050	
50 PERCENT EXCEEDS	395		373		346	
90 PERCENT EXCEEDS	164		138		118	

a From rating curve extended above 16,000 ft^3/s on basis of flow-over-road measurement of peak flow.

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 mi^2.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 11	2000	1,580	10.81	Feb. 23	1900	*3,500	*12.43
Feb. 17	0300	1,780	11.09	Apr. 29	1200	1,570	10.74

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	219	136	225	236	553	855	273	1240	433	394	391	61
2	275	141	303	261	556	761	256	1010	401	352	537	55
3	305	146	357	311	500	663	241	765	433	297	737	48
4	290	156	487	384	439	590	217	480	541	263	810	50
5	272	174	580	411	406	550	203	420	476	242	516	50
6	232	174	641	387	384	505	199	439	361	226	284	55
7	207	164	553	360	364	464	202	454	293	203	256	55
8	295	214	312	396	361	438	197	382	253	191	247	48
9	324	256	266	594	355	414	189	274	224	176	261	44
10	383	304	263	799	346	398	177	232	199	180	305	52
11	337	406	247	1380	333	389	164	208	180	167	247	61
12	279	431	226	1440	318	377	159	198	170	135	213	69
13	203	383	226	1300	329	365	161	190	164	116	235	71
14	172	251	242	1020	455	378	166	176	208	99	221	69
15	159	203	302	709	825	412	173	165	233	91	186	64
16	152	188	338	485	1470	412	166	150	212	101	169	59
17	148	181	312	423	1700	381	161	135	283	123	157	55
18	143	176	273	468	1440	353	151	126	385	129	173	55
19	141	178	316	536	1180	339	143	115	408	120	158	54
20	139	183	336	580	857	353	130	113	353	145	133	51
21	137	189	382	547	638	379	146	112	338	203	122	49
22	133	196	397	413	832	368	206	108	316	198	113	46
23	130	206	341	364	2590	327	214	146	234	166	101	48
24	130	209	286	360	2960	299	219	248	190	164	91	52
25	128	204	290	464	2320	272	243	399	168	172	81	67
26	129	201	274	551	1630	256	274	371	161	167	77	e140
27	130	203	267	689	1170	249	378	290	173	209	67	276
28	131	208	253	689	960	257	899	413	186	282	64	466
29	132	206	240	637	---	272	1490	643	284	512	62	617
30	134	200	234	554	---	271	1370	885	387	530	56	502
31	135	---	229	507	---	294	---	574	---	365	61	---
TOTAL	6124	6467	9998	18255	26271	12641	9167	11461	8647	6718	7131	3389
MEAN	198	216	323	589	938	408	306	370	288	217	230	113
MAX	383	431	641	1440	2960	855	1490	1240	541	530	810	617
MIN	128	136	225	236	318	249	130	108	161	91	56	44
CFSM	.55	.60	.89	1.63	2.59	1.13	.84	1.02	.80	.60	.64	.31
IN.	.63	.66	1.03	1.88	2.70	1.30	.94	1.18	.89	.69	.73	.35

e Estimated

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1997, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	167	260	392	566	750	732	454	307	225	396	204	142
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1980 - 1997	
ANNUAL TOTAL	130008		126269			
ANNUAL MEAN	355		346		383	
HIGHEST ANNUAL MEAN					662	1994
LOWEST ANNUAL MEAN					211	1988
HIGHEST DAILY MEAN	2160	Mar 10	2960	Feb 24	36000	Jul 7 1994
LOWEST DAILY MEAN	62	Aug 25	44	Sep 9	12	Jul 20 1986
ANNUAL SEVEN-DAY MINIMUM	72	Aug 20	50	Sep 3	16	Jul 15 1986
INSTANTANEOUS PEAK FLOW			3500	Feb 23	a64400	Jul 6 1994
INSTANTANEOUS PEAK STAGE			12.43	Feb 23	b29.1	Jul 6 1994
INSTANTANEOUS LOW FLOW			43	Sep 8,9	12	Jul 20 1986
ANNUAL RUNOFF (CFSM)	.98		.96		1.06	
ANNUAL RUNOFF (INCHES)	13.36		12.98		14.37	
10 PERCENT EXCEEDS	766		637		776	
50 PERCENT EXCEEDS	255		256		236	
90 PERCENT EXCEEDS	109		101		85	

a From rating curve extended above 13,000 ft3/s on basis of slope conveyance study.
b From floodmarks

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 mi^2, approximately.
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 ft^3/s.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 23	2300	*25,600	*19.02	Apr. 30	1030	21,000	15.87
Mar. 8	1815	20,900	15.78				

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	2980	2090	2130	3640	7640	12500	4190	11400	3850	4450	6140	938
2	3290	1410	5340	4300	6760	10400	4290	9140	6280	5340	6230	1150
3	3300	1680	5440	4870	6130	10500	3270	12900	5590	4200	5740	1390
4	2920	3380	7240	5010	6730	11800	3230	16600	6240	3950	5950	1060
5	3260	4780	7260	4350	4950	14600	3030	15100	6410	3800	4990	844
6	3140	4830	7290	4690	5820	13300	3390	10600	4930	3690	4400	845
7	3290	4550	5640	5550	6130	19200	3290	9580	4650	3300	2550	871
8	4820	4060	3660	6590	5280	20600	4220	8500	3870	4250	3210	864
9	1980	3980	4460	8640	3590	19300	2740	4390	3070	3710	2220	703
10	2700	3790	3650	10700	4910	10500	3000	5020	2950	3540	2440	1010
11	3730	5380	3340	13300	7030	6540	2830	4120	2220	3310	2670	881
12	3540	4610	3080	13700	6280	5030	2490	3680	2590	2890	3160	862
13	2090	4250	3290	14300	7040	6470	2700	3500	2590	2130	2420	905
14	2840	3570	1810	13900	10500	6080	3320	3450	4700	2250	2520	907
15	1540	2820	1910	14300	12500	6490	2560	2770	3610	1970	2330	897
16	2150	2800	2460	13700	15400	6740	2670	2790	2930	2500	2300	882
17	1690	2210	2010	10600	17900	5040	2650	2520	3790	2010	2340	853
18	1930	1250	2900	10800	17300	5870	3350	2970	4640	1380	2370	884
19	2100	1940	3570	9290	16200	5550	2550	2230	6060	1570	2750	853
20	1600	2280	2960	8950	16600	6280	2020	2190	6460	2420	2270	847
21	1390	1920	2910	7040	16900	5590	2070	2020	4970	2140	1630	847
22	1410	1950	2860	6980	19600	4490	2530	2090	4760	2640	1770	835
23	2010	2290	2880	5310	24200	4470	2580	2350	5310	2640	1390	844
24	1850	2290	3300	7070	23800	4580	2900	2580	4830	2320	1070	853
25	1450	1410	4730	8370	21700	4590	3520	3170	4480	2800	1470	926
26	1430	2020	2880	7170	20000	4330	3780	4000	4950	3430	1360	2380
27	1700	1950	3540	10600	14800	4320	4110	4540	3840	3890	1230	4530
28	1880	1700	3610	7860	14300	3650	7400	6870	3510	4020	1250	3750
29	1850	2020	3290	8150	---	3690	14000	6750	3650	4990	1320	4770
30	1500	2020	3410	7630	---	3870	17700	8050	4980	4600	1330	6150
31	1560	---	4500	7390	---	4720	---	6790	---	5990	1210	---
TOTAL	72920	85230	117350	264750	339990	251090	122380	182660	132710	102120	84030	44331
MEAN	2352	2841	3785	8540	12140	8100	4079	5892	4424	3294	2711	1478
MAX	4820	5380	7290	14300	24200	20600	17700	16600	6460	5990	6230	6150
MIN	1390	1250	1810	3640	3590	3650	2020	2020	2220	1380	1070	703
CFSM	.44	.54	.71	1.61	2.29	1.53	.77	1.11	.83	.62	.51	.28
IN.	.51	.60	.82	1.85	2.38	1.76	.86	1.28	.93	.72	.59	.31

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3110	3404	6055	8459	10530	11760	9426	5690	4034	4780	4125	2840
MAX	13970	10520	22210	18590	20680	27180	25500	15410	9722	38480	18950	8710
(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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1902 - 1997	
ANNUAL TOTAL	1963570		1799561			
ANNUAL MEAN	5365		4930		6179	
HIGHEST ANNUAL MEAN					10910	1912
LOWEST ANNUAL MEAN					2894	1911
HIGHEST DAILY MEAN	34800	Mar 13	24200	Feb 23	119000	Jul 10 1994
LOWEST DAILY MEAN	1050	Jul 5	703	Sep 9	327	Aug 24 1930
ANNUAL SEVEN-DAY MINIMUM	1300	Aug 20	852	Sep 17	735	Jul 22 1986
INSTANTANEOUS PEAK FLOW			25600	Feb 23	120000	Jul 11 1994
INSTANTANEOUS PEAK STAGE			19.02	Feb 23	a43.0	Jul 11 1994
ANNUAL RUNOFF (CFSM)	1.01		.93		1.16	
ANNUAL RUNOFF (INCHES)	13.76		12.61		15.81	
10 PERCENT EXCEEDS	12900		10600		13100	
50 PERCENT EXCEEDS	3330		3610		4170	
90 PERCENT EXCEEDS	1590		1400		1760	

a From floodmarks

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.20	3.49	3.55	4.56	6.98	9.69	5.00	9.05	4.82	5.03	6.16	2.20
2	4.49	2.84	5.67	5.00	6.46	8.49	5.14	7.83	6.26	5.62	6.22	2.43
3	4.49	3.11	5.70	5.35	6.12	8.58	4.38	9.96	5.85	4.85	5.94	2.71
4	4.21	4.56	6.79	5.44	6.47	9.27	4.40	12.56	6.23	4.68	6.05	2.34
5	4.46	5.42	6.81	5.00	5.38	11.11	4.20	11.46	6.23	4.56	5.51	2.05
6	4.37	5.45	6.82	5.23	5.88	10.42	4.48	8.66	5.40	4.49	5.18	2.05
7	4.46	5.29	5.80	5.76	6.09	14.52	4.40	8.05	5.17	4.23	3.85	2.09
8	5.39	5.00	4.51	6.40	5.60	15.50	5.01	7.48	4.78	4.92	4.35	2.08
9	3.45	4.96	5.10	7.55	4.52	14.60	3.94	5.09	4.24	4.57	3.54	1.77
10	4.02	4.78	4.56	8.67	5.32	8.63	4.17	5.47	4.14	4.43	3.75	2.29
11	4.67	5.76	4.36	10.25	6.60	6.36	4.03	4.87	3.58	4.20	3.90	2.11
12	4.67	5.32	4.19	10.49	6.15	5.56	3.77	4.59	3.97	3.90	4.09	2.08
13	3.52	5.12	4.31	11.00	6.62	6.36	3.95	4.46	3.96	3.27	3.58	2.15
14	4.12	4.66	3.13	10.64	8.53	6.13	4.46	4.44	5.37	3.36	3.83	2.15
15	2.96	4.17	3.23	10.97	9.71	6.36	3.78	4.00	4.63	3.14	3.65	2.13
16	3.58	4.15	3.69	10.56	11.66	6.49	3.89	3.99	4.15	3.63	3.61	2.11
17	3.09	3.61	3.33	8.63	13.50	5.55	3.86	3.77	4.75	3.14	3.63	2.06
18	3.35	2.61	3.98	8.76	13.10	5.99	4.45	4.16	5.27	2.59	3.65	2.11
19	3.57	3.39	4.51	7.88	12.24	5.61	3.78	3.55	6.00	2.77	3.99	2.06
20	3.03	3.72	4.09	7.68	12.56	6.11	3.30	3.48	6.31	3.57	3.59	2.05
21	2.80	3.39	4.09	6.59	12.80	5.82	3.37	3.34	5.25	3.33	3.04	2.05
22	2.82	3.37	4.05	6.58	14.79	5.18	3.80	3.39	5.25	3.78	3.16	2.03
23	3.42	3.73	4.06	5.59	18.12	5.20	3.84	3.68	5.62	3.78	2.74	2.05
24	3.24	3.69	4.36	6.66	17.77	5.27	4.05	3.86	5.28	3.49	2.39	2.06
25	2.86	2.83	5.26	7.40	16.33	5.30	4.46	4.39	5.04	3.91	2.83	2.18
26	2.84	3.47	4.06	6.67	15.10	5.07	4.67	4.93	5.35	4.38	2.70	3.60
27	3.11	3.39	4.45	8.62	11.24	5.05	4.91	5.27	4.60	4.68	2.50	5.15
28	3.28	3.14	4.57	7.06	10.91	4.63	6.88	6.58	4.39	4.71	2.58	4.54
29	3.26	3.40	4.34	7.24	---	4.65	10.74	6.49	4.47	5.37	2.65	5.26
30	2.86	3.45	4.41	6.99	---	4.79	13.38	7.24	5.39	5.14	2.65	6.18
31	2.95	---	5.12	6.85	---	5.37	---	6.55	---	6.01	2.52	---
MEAN	3.66	4.04	4.61	7.49	9.88	7.34	4.82	5.89	5.06	4.18	3.80	2.60
MAX	5.39	5.76	6.82	11.00	18.12	15.50	13.38	12.56	6.31	6.01	6.22	6.18
MIN	2.80	2.61	3.13	4.56	4.52	4.63	3.30	3.34	3.58	2.59	2.39	1.77

CAL YR 1996 MEAN 5.57 MAX 23.37 MIN 2.36
WTR YR 1997 MEAN 5.26 MAX 18.12 MIN 1.77

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 mi^2, 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 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
30...	1245	81341	1160	125	122	7.5	7.4	21.5	28.5	8.6	98
NOV											
20...	1315	81341	2560	143	140	7.4	7.2	16.0	23.0	8.9	91
DEC											
18...	1305	81341	2020	130	119	7.3	7.4	12.5	5.0	9.6	91
JAN											
22...	1245	81341	5040	90	84	7.3	7.1	8.5	22.0	12.0	103
FEB											
19...	1330	81341	17400	73	70	7.2	7.1	11.5	25.5	12.0	110
MAR											
19...	1300	81341	3320	102	97	7.3	7.3	18.5	25.5	9.4	101
APR											
23...	1140	81341	2700	112	62	7.6	7.3	21.0	25.0	8.3	95
MAY											
21...	1055	81341	2080	101	96	7.4	7.3	24.5	27.0	7.4	89
JUN											
04...	1125	81341	7720	92	89	7.4	7.4	24.0	25.0	7.9	95
JUL											
23...	1230	81341	2850	119	115	7.4	7.1	29.0	32.0	6.6	86
AUG											
20...	1215	81341	2560	99	98	7.3	7.2	29.5	32.0	7.6	100
SEP											
17...	1200	81341	1290	163	157	7.7	7.6	27.0	33.0	7.6	96

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)
OCT						
30...	81341	10	3.0	11	1.0	35
NOV						
20...	81341	20	5.0	12	1.3	41
DEC						
18...	81341	60	11	11	1.2	40
JAN						
22...	81341	110	25	15	<1.0	26
FEB						
19...	81341	85	25	15	<1.0	20
MAR						
19...	81341	90	12	15	<1.0	35
APR						
23...	81341	10	4.0	11	1.2	36
MAY						
21...	81341	60	10	14	<1.0	33
JUN						
04...	81341	35	11	11	<1.0	29
JUL						
23...	81341	30	5.0	14	1.5	38
AUG						
20...	81341	55	9.0	14	<1.0	30
SEP						
17...	81341	10	4.0	7	1.4	52

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
30...	81341	.470	.040	.16	.20	.67	.050	3.0
NOV								
20...	81341	.450	.120	.18	.30	.75	.050	4.0
DEC								
18...	81341	.570	.160	.34	.50	1.1	.060	5.0
JAN								
22...	81341	.450	.040	.46	.50	.95	.050	5.0
FEB								
19...	81341	.400	.040	.36	.40	.80	.040	5.0
MAR								
19...	81341	.510	.080	.32	.40	.91	.040	5.0
APR								
23...	81341	.480	.050	--	--	--	.040	3.0
MAY								
21...	81341	.500	.090	.31	.40	.90	.070	4.0
JUN								
04...	81341	.400	.070	.23	.30	.70	.040	4.0
JUL								
23...	81341	.520	<.030	--	.40	.92	.050	4.0
AUG								
20...	81341	.430	<.030	--	.40	.83	.050	4.0
SEP								
17...	81341	.680	.140	.46	.60	1.3	.220	4.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
30...	1245	81341	1160	80
NOV				
20...	1315	81341	2560	22000
DEC				
18...	1305	81341	2020	13000
JAN				
22...	1245	81341	5040	2300
FEB				
19...	1330	81341	17400	790
MAR				
19...	1300	81341	3320	4600
APR				
23...	1140	81341	2700	1100
MAY				
21...	1055	81341	2080	50
JUN				
04...	1125	81341	7720	110
JUL				
23...	1230	81341	2850	490
AUG				
05...	1305	81213	4890	20
12...	1220	81213	2970	40
20...	1215	81341	2560	70
SEP				
17...	1200	81341	1290	9000

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 mi^2, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 24	2000	*24,500	*18.90	No other peak greater that base discharge.			

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	4640	2310	2490	4520	8490	14300	5540	13100	5840	5410	6810	1710
2	3740	2390	3830	4320	7860	12900	5400	10200	6360	5670	6430	1590
3	3970	2010	5640	4720	7500	11200	4960	10800	6670	5380	6510	1910
4	3700	2770	6670	5210	7400	11800	4320	14000	7060	4690	6390	1970
5	3710	4350	7370	5430	6530	13300	4220	14500	6670	4590	6180	1610
6	3910	5170	7560	4920	6200	13200	4250	12900	6470	4440	5370	1460
7	3630	5130	7340	5330	7000	16700	4400	10100	5930	4020	3880	1460
8	5270	4990	4420	6450	6980	18900	4360	9910	5080	4280	3800	1470
9	4020	4610	5210	8260	5900	19800	4730	7090	4310	4530	3540	1430
10	2990	4470	4470	9300	4160	16000	4090	6070	4060	4210	3310	1380
11	4480	5120	4160	11600	6950	10100	3880	5960	3590	3930	3220	1510
12	3810	5560	3840	12800	7200	7860	3830	5140	3350	3950	3730	1440
13	3830	4960	3910	13400	7750	7260	3710	4830	3460	3030	3540	1420
14	2860	4790	3290	12400	9050	8400	3570	4540	4280	2730	3120	1470
15	3360	3950	2470	14200	11700	7340	3730	3990	4680	2800	3100	1460
16	2380	3580	2550	13200	13700	8140	3700	4040	4370	2750	3100	1440
17	2890	3510	3000	11700	16300	6960	3700	3650	4120	2920	3040	1420
18	2470	2460	2540	11500	17000	7130	3660	3610	4870	2140	3030	1400
19	2520	2080	3930	10300	16100	6770	3580	3440	5870	1870	3220	1400
20	2700	2840	3840	8830	15900	6920	3360	3360	6660	2470	3290	1380
21	2100	2770	3420	8820	16800	7340	3120	2950	6660	2650	2620	1370
22	1990	2700	3460	8070	17300	6430	3100	2950	5280	2810	2520	1370
23	1950	2640	3350	7110	21000	6180	3520	3100	5580	3050	2440	1360
24	2780	2920	3560	7560	23700	6190	3360	3510	5770	2970	1930	1360
25	2180	2610	4120	8510	23600	5530	3950	3760	5210	2910	1960	1380
26	2030	2200	4550	7870	22500	5930	4490	4440	5560	3430	2130	1660
27	1990	2450	3890	9760	19400	5320	4670	4910	4830	3820	2070	4300
28	2550	2490	3950	9140	15700	5260	5900	6760	4380	4370	1890	3290
29	2220	2480	3900	8870	---	4880	10200	7040	4120	4810	1920	4770
30	2590	2750	3730	8900	---	5030	15000	7520	4670	5070	2060	5930
31	1890	---	4530	8430	---	5120	---	8080	---	5110	1990	---
TOTAL	95150	103060	130990	271430	349670	288190	140300	206250	155760	116810	108140	57120
MEAN	3069	3435	4225	8756	12490	9296	4677	6653	5192	3768	3488	1904
MAX	5270	5560	7560	14200	23700	19800	15000	14500	7060	5670	6810	5930
MIN	1890	2010	2470	4320	4160	4880	3100	2950	3350	1870	1890	1360
CFSM	.53	.60	.74	1.53	2.18	1.62	.81	1.16	.90	.66	.61	.33
IN.	.62	.67	.85	1.76	2.27	1.87	.91	1.34	1.01	.76	.70	.37

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3318	3585	5654	8868	11100	13000	10750	6396	4812	5197	4152	3110
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1938 - 1997	
ANNUAL TOTAL	2187220		2022870			
ANNUAL MEAN	5976		5542		6600	
HIGHEST ANNUAL MEAN					10610	1964
LOWEST ANNUAL MEAN					3647	1981
HIGHEST DAILY MEAN	31600	Mar 15	23700	Feb 24	100000	Jul 13 1994
LOWEST DAILY MEAN	1480	Aug 26	1360	Sep 23	840	Oct 20 1940
ANNUAL SEVEN-DAY MINIMUM	1800	Aug 21	1370	Sep 19	993	Aug 9 1986
INSTANTANEOUS PEAK FLOW			24500	Feb 24	100000	Jul 13 1994
INSTANTANEOUS PEAK STAGE			18.90	Feb 24	45.25	Jul 13 1994
INSTANTANEOUS LOW FLOW	1230	Sep 10	790		a	
ANNUAL RUNOFF (CFSM)	1.04		.97		1.15	
ANNUAL RUNOFF (INCHES)	14.18		13.11		15.62	
10 PERCENT EXCEEDS	13300		11300		13100	
50 PERCENT EXCEEDS	3960		4350		4720	
90 PERCENT EXCEEDS	2190		2000		2170	

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.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT					
30...	1020	2880	21.0	5	39
30...	1025	2880	21.0	5	39
DEC					
13...	1117	3820	14.0	8	83
13...	1122	3820	14.0	8	83
JAN					
11...	1435	11900	10.0	54	1740
11...	1440	11900	10.0	40	1290
13...	1235	13700	9.0	35	1290
13...	1240	13700	9.0	42	1550
17...	1005	11100	7.5	30	899
17...	1010	11100	7.5	32	959
20...	0945	7570	7.0	22	450
20...	0950	7570	7.0	17	347
MAR					
24...	0945	6790	19.0	12	220
24...	0950	6790	19.0	13	238
MAY					
02...	1000	11100	21.0	18	539
02...	1005	11100	21.0	20	599
JUN					
12...	1120	3620	23.0	31	303
12...	1125	3620	23.0	29	283
JUL					
16...	0852	2580	28.0	6	42
16...	0857	2580	28.0	5	35
SEP					
11...	1300	1460	26.0	2	7.9
11...	1305	1460	26.0	2	7.9

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70332)	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM (70333)	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM (70334)	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM (70335)
JAN							
11...	1435	11900	77	87	96	100	100
11...	1440	11900	33	--	--	--	--
13...	1235	13700	33	--	--	--	--
13...	1240	13700	36	--	--	--	--

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
SEP											
11...	1407	1460	--	2	13	24	30	62	86	95	100
11...	1408	1460	--	--	1	3	11	39	81	92	100
11...	1409	1460	--	--	3	26	53	77	96	100	100
11...	1410	1460	--	--	2	8	24	63	98	99	100

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 mi^2.
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 ft^3/s, from rating curve extended above 3,400 ft^3/s on basis of slope-conveyance studies.
PEAK DISCHARGES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,100 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 10	0200	1,680	6.99	Apr. 29	0100	1,640	6.86
Feb. 23	0400	*1,800	*7.09				

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	345	126	256	193	371	428	267	357	185	213	127	39
2	256	124	486	238	304	372	203	252	177	189	118	42
3	280	143	645	235	281	350	179	221	149	217	112	39
4	286	145	402	215	268	321	147	202	129	133	134	36
5	214	134	255	212	256	295	144	181	112	107	108	37
6	170	132	216	235	243	279	145	155	104	186	85	36
7	178	138	207	245	229	268	181	142	100	353	70	40
8	303	275	203	383	267	253	189	130	92	286	65	42
9	358	450	194	1090	313	245	157	122	82	183	62	39
10	244	404	181	1610	279	238	143	110	78	129	101	36
11	184	240	174	973	253	239	134	101	79	104	172	46
12	160	185	176	510	238	240	135	100	79	87	114	48
13	147	165	180	353	250	229	144	101	81	77	90	45
14	136	156	177	302	513	235	137	95	145	71	86	43
15	129	151	171	271	1070	238	127	88	243	67	105	41
16	125	145	167	295	1060	218	119	90	221	63	112	38
17	125	141	185	360	680	204	114	85	179	59	97	38
18	124	141	247	309	403	201	111	79	228	68	83	37
19	121	170	304	257	335	208	108	75	220	96	88	37
20	117	211	367	238	309	233	107	75	171	157	74	38
21	114	214	263	228	302	243	104	77	143	146	67	37
22	111	223	212	220	976	221	105	74	146	210	74	36
23	111	209	197	220	1670	204	132	81	118	189	58	41
24	115	185	195	243	879	189	179	117	97	146	54	42
25	116	174	241	527	562	179	155	155	92	109	54	64
26	115	201	251	863	655	183	155	187	102	92	50	136
27	116	215	212	596	626	202	293	158	119	111	45	243
28	121	186	198	358	459	186	1060	170	146	96	40	233
29	125	172	193	315	---	193	1410	244	273	84	39	172
30	123	175	190	359	---	229	804	196	317	77	41	132
31	127	---	187	460	---	302	---	162	---	96	38	---
TOTAL	5296	5730	7532	12913	14051	7625	7388	4382	4407	4201	2563	1933
MEAN	171	191	243	417	502	246	246	141	147	136	82.7	64.4
MAX	358	450	645	1610	1670	428	1410	357	317	353	172	243
MIN	111	124	167	193	229	179	104	74	78	59	38	36
CFSM	.91	1.02	1.29	2.22	2.67	1.31	1.31	.75	.78	.72	.44	.34
IN.	1.05	1.13	1.49	2.56	2.78	1.51	1.46	.87	.87	.83	.51	.38

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	170	189	256	374	394	408	311	192	196	265	158	136
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1959 - 1997	
ANNUAL TOTAL	89877		78021			
ANNUAL MEAN	246		214		256	
HIGHEST ANNUAL MEAN					396	1994
LOWEST ANNUAL MEAN					139	1968
HIGHEST DAILY MEAN	1270	Jan 28	1670	Feb 23	13500	Jul7 1994
LOWEST DAILY MEAN	48	Jul 4	36	a	33	Jun 25 1988
ANNUAL SEVEN-DAY MINIMUM	56	Jun 29	37	Sep 16	36	Jun 20 1988
INSTANTANEOUS PEAK FLOW			1910	Feb 23	b43000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			7.09	Feb 23	c14.22	Jul 6 1994
INSTANTANEOUS LOW FLOW			34	Sep 6,22	32	Jun 26 1988
ANNUAL RUNOFF (CFSM)	1.31		1.14		1.36	
ANNUAL RUNOFF (INCHES)	17.78		15.44		18.51	
10 PERCENT EXCEEDS	449		358		473	
50 PERCENT EXCEEDS	197		172		171	
90 PERCENT EXCEEDS	88		64		82	

a September 4,6,10, and 22
b From rating extended above 7,600 ft^3/s based on slope-conveyance study
c From floodmarks

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 mi^2, approximately.
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 ft^3/s.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 11	2300	3,360	6.56	Feb. 25	1300	*3,670	*7.03
Feb. 17	0800	3,090	6.14				

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	538	349	500	524	1220	1760	686	2600	603	653	313	104
2	652	348	771	578	1170	1520	653	2040	593	562	357	99
3	677	346	940	656	1060	1370	553	1260	572	521	348	106
4	708	363	1020	638	977	1220	496	870	522	479	317	108
5	707	377	1060	617	908	1060	464	704	465	358	321	101
6	626	372	942	623	860	982	458	578	409	345	310	99
7	566	378	835	646	815	932	484	523	364	442	271	97
8	685	413	667	808	817	855	498	487	341	507	232	102
9	823	607	586	1240	918	814	497	437	321	506	201	106
10	771	816	555	1930	947	796	473	403	301	441	231	104
11	719	857	534	3010	890	768	460	376	289	345	317	139
12	605	731	527	3070	829	748	435	352	288	268	388	147
13	507	627	527	2390	805	740	429	349	279	222	370	150
14	456	527	523	1740	1050	760	435	339	278	193	344	149
15	424	455	514	1250	1810	744	432	321	398	177	331	140
16	407	424	502	1070	2600	719	417	339	546	168	354	132
17	395	411	508	1030	3040	672	397	333	558	156	384	122
18	381	400	558	1010	2680	640	372	312	560	184	344	114
19	370	417	662	966	2140	626	355	289	651	208	304	110
20	366	494	759	911	1620	657	352	277	670	263	278	114
21	352	513	808	863	1220	711	344	263	609	330	269	121
22	343	530	773	802	1380	707	342	260	519	360	267	119
23	340	535	707	762	1770	678	354	259	485	425	250	117
24	340	507	623	763	2880	625	414	304	416	411	217	118
25	340	483	599	1040	3590	582	452	402	361	367	191	134
26	342	475	650	1470	3040	552	479	632	356	342	162	189
27	340	499	662	1720	2310	539	580	708	358	312	145	306
28	343	511	608	1730	2000	555	785	620	366	287	128	449
29	345	497	571	1470	---	552	1310	625	406	258	119	498
30	348	471	547	1330	---	579	2390	654	559	218	117	470
31	349	---	531	1270	---	620	---	620	---	242	110	---
TOTAL	15165	14733	20569	37927	45346	25083	16796	18536	13443	10550	8290	4864
MEAN	489	491	664	1223	1620	809	560	598	448	340	267	162
MAX	823	857	1060	3070	3590	1760	2390	2600	670	653	388	498
MIN	340	346	500	524	805	539	342	259	278	156	110	97
CFSM	.79	.79	1.07	1.97	2.61	1.31	.90	.96	.72	.55	.43	.26
IN.	.91	.88	1.23	2.28	2.72	1.50	1.01	1.11	.81	.63	.50	.29

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	452	497	812	1098	1277	1357	1097	704	563	640	500	410
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1905 - 1997	
ANNUAL TOTAL	244520		231302			
ANNUAL MEAN	668		634		779	
HIGHEST ANNUAL MEAN					1391	1948
LOWEST ANNUAL MEAN					340	1955
HIGHEST DAILY MEAN	2570	Feb 6	3590	Feb 25	30000	Jul 7 1994
LOWEST DAILY MEAN	126	Jul 4	97	Sep 7	48	Jul 19 1986
ANNUAL SEVEN-DAY MINIMUM	149	Jun 30	102	Sep 2	54	Jul 17 1986
INSTANTANEOUS PEAK FLOW			3670	Feb 25	a53000	Jul 7 1994
INSTANTANEOUS PEAK STAGE			7.03	Feb 25	b23.20	Jul 7 1994
INSTANTANEOUS LOW FLOW			92	Sep 10	45	Jul 19 1986
ANNUAL RUNOFF (CFSM)	1.08		1.02		1.26	
ANNUAL RUNOFF (INCHES)	14.67		13.88		17.07	
10 PERCENT EXCEEDS	1220		1220		1530	
50 PERCENT EXCEEDS	555		499		550	
90 PERCENT EXCEEDS	250		190		242	

a From rating curve extended above 13,000 ft^3/s based on discharge measurement of flow in main channel and flow-over-road computation of peak flow
b From floodmarks

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.

LOCATION.--Lat 31°21'02", long 84°28'57", Baker County, Hydrologic Unit 03130009, at bridge on State Highway 37 at Elmodel, and 2 mi upstream from confluence with Ichawaynochaway Creek.
DRAINAGE AREA.--320 mi^2.
PERIOD OF RECORD.--October 1939 to December 1949, water years 1952-65 and 1970-83 (annual maximum), July 1995 to current year.
GAGE.--Water-stage recorder. Datum of gage is 137.7 ft above sea level (levels by the Georgia Department of Transportation). October 1, 1939 to October 30, 1941, non-recording gage at site approximately 100 ft upstream at present datum. October 31, 1941 to December 31, 1949, recording gage at present datum. September 25, 1951 to September 1965 and October 1970 to September 1983, non-recording gage at site 100 ft upstream and present datum.
REMARKS.--Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1994 reached a stage of 20.0 ft, discharge 16,000 ft^3/s from rating curve extended above 9,400 ft^3/s.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 27	0300	*1,550	*7.22	No other peak greater than base discharge.			

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	38	39	117	176	759	1370	179	349	196	87	76	11
2	74	37	178	179	714	1260	178	495	185	111	68	9.9
3	102	36	193	174	666	1120	173	595	167	133	57	9.4
4	123	35	197	167	618	984	169	546	152	126	58	9.2
5	125	34	202	167	571	868	154	407	141	155	89	8.8
6	116	34	211	176	523	773	148	303	126	180	108	8.4
7	131	33	216	197	476	676	184	237	110	228	84	8.0
8	199	43	211	268	467	599	175	198	99	162	65	7.7
9	208	68	201	492	466	539	169	160	84	159	52	7.3
10	201	94	185	724	460	490	154	133	69	132	45	11
11	183	111	169	840	452	447	135	111	57	99	45	17
12	182	113	158	886	437	414	124	94	55	71	40	15
13	185	112	150	933	430	382	110	83	52	51	34	13
14	175	117	141	951	533	373	101	71	48	36	34	12
15	156	114	134	889	782	358	100	60	89	28	50	11
16	136	102	127	851	966	328	99	84	80	22	46	10
17	121	92	127	751	1160	307	93	78	104	18	51	9.8
18	110	84	133	656	1330	300	84	62	120	15	69	9.3
19	99	86	175	581	1490	290	75	51	124	27	81	9.2
20	90	101	200	523	1440	285	67	41	132	32	69	8.7
21	82	119	205	474	1260	295	60	34	138	34	60	8.3
22	76	120	201	432	1370	309	60	28	127	51	49	8.0
23	70	116	198	398	1410	297	75	30	103	64	40	7.9
24	66	112	197	384	1400	280	82	54	85	122	35	7.8
25	61	106	213	514	1440	258	74	95	81	147	35	8.0
26	57	102	203	580	1530	239	79	213	91	119	33	13
27	54	98	192	628	1530	222	135	261	95	78	27	26
28	51	93	183	696	1460	207	229	275	79	57	22	66
29	48	89	182	758	---	200	266	287	68	74	18	66
30	45	88	184	840	---	190	286	249	85	47	15	63
31	42	---	179	808	---	181	---	207	---	48	13	---
TOTAL	3406	2528	5562	17093	26140	14841	4017	5891	3142	2713	1568	479.7
MEAN	110	84.3	179	551	934	479	134	190	105	87.5	50.6	16.0
MAX	208	120	216	951	1530	1370	286	595	196	228	108	66
MIN	38	33	117	167	430	181	60	28	48	15	13	7.3
CFSM	.34	.26	.56	1.72	2.92	1.50	.42	.59	.33	.27	.16	.05
IN.	.40	.29	.65	1.99	3.04	1.73	.47	.68	.37	.32	.18	.06

APALACHICOLA RIVER BASIN

02354500 CHICKASAWHATCHEE CREEK AT ELMODEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	105	131	338	532	643	868	662	321	138	185	176	86.9
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	7.25	10.8	40.6	156	261	260	134	48.3	18.6	8.00	15.5	4.32
(WY)	1944	1944	1944	1945	1947	1945	1997	1941	1941	1996	1995	1995

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	75935.1		87380.7			
ANNUAL MEAN	207		239		352	
HIGHEST ANNUAL MEAN					679	1948
LOWEST ANNUAL MEAN					144	1941
HIGHEST DAILY MEAN	1300	Apr 1	1530	Feb 26	3550	Mar 10 1948
LOWEST DAILY MEAN	4.7	Jul 20	7.3	Sep 9	3.5	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	5.0	Jul 16	8.3	Sep 19	3.7	Sep 6 1995
INSTANTANEOUS PEAK FLOW			1550	Feb 27	4300	Jan 27 1978
INSTANTANEOUS PEAK STAGE			7.22	Feb 27	12.38	Jan 27 1978
INSTANTANEOUS LOW FLOW			7.0	Sep 9,10	3.5	a
ANNUAL RUNOFF (CFSM)	.65		.75		1.10	
ANNUAL RUNOFF (INCHES)	8.83		10.16		14.97	
10 PERCENT EXCEEDS	565		660		890	
50 PERCENT EXCEEDS	120		123		157	
90 PERCENT EXCEEDS	12		28		28	

a Part or all of each day September 8, 10-13, 1995.

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 mi^2, 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.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base of 3500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 12	0800	4,200	12.04	Feb. 25	2300	*5,340	*13.65
Feb. 17	2100	4,320	12.22				

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	554	435	645	743	2060	3290	931	2910	854	791	391	137
2	733	432	922	784	1990	2900	938	2670	839	742	442	131
3	820	429	1150	858	1870	2580	822	2040	793	691	430	137
4	859	434	1260	858	1740	2300	740	1600	719	667	405	138
5	879	448	1330	837	1610	2070	677	1260	639	572	424	134
6	821	445	1240	846	1510	1890	659	1020	567	557	444	128
7	771	442	1130	885	1410	1780	730	855	500	690	393	130
8	916	485	976	1090	1370	1640	732	764	461	714	339	129
9	1120	609	857	1780	1470	1540	722	655	431	717	293	132
10	1060	858	798	2540	1520	1470	676	585	397	632	293	164
11	1020	983	757	3500	1460	1390	639	530	377	509	370	189
12	909	907	725	4100	1370	1320	603	485	371	402	441	190
13	799	790	721	3550	1320	1280	573	468	362	336	433	190
14	713	697	702	2890	1610	1280	564	449	352	287	405	190
15	651	605	682	2280	2590	1260	559	421	462	252	403	180
16	608	556	661	2070	3410	1200	545	438	616	236	420	171
17	575	530	662	1920	4180	1130	523	445	696	212	454	162
18	551	513	710	1810	4190	1080	491	410	691	230	445	153
19	526	515	852	1690	3840	1050	461	380	797	261	416	147
20	507	591	989	1570	3250	1070	451	357	855	317	382	147
21	489	647	1050	1470	2620	1130	438	332	816	389	363	153
22	472	669	1040	1360	2840	1160	434	322	700	418	345	154
23	463	668	972	1280	3170	1110	451	321	625	487	330	150
24	455	641	900	1250	3950	1040	504	364	550	540	288	149
25	450	609	870	1610	5060	963	537	473	487	541	257	161
26	449	595	900	2070	5080	906	572	812	487	488	222	214
27	444	616	920	2360	4230	861	711	1020	497	426	199	328
28	443	624	859	2490	3640	859	1020	973	487	379	173	503
29	441	610	812	2340	---	848	1450	961	497	367	162	591
30	439	579	784	2240	---	847	2330	963	630	310	152	573
31	436	---	761	2160	---	885	---	897	---	305	143	---
TOTAL	20373	17962	27637	57231	74360	44129	21483	26180	17555	14465	10657	6055
MEAN	657	599	892	1846	2656	1424	716	845	585	467	344	202
MAX	1120	983	1330	4100	5080	3290	2330	2910	855	791	454	591
MIN	436	429	645	743	1320	847	434	321	352	212	143	128
CFSM	.66	.60	.89	1.85	2.66	1.42	.72	.84	.59	.47	.34	.20
IN.	.76	.67	1.03	2.13	2.77	1.64	.80	.97	.65	.54	.40	.23

APALACHICOLA RIVER BASIN

02354800 ICHAWAYNOCHAWAY CREEK NEAR ELMODEL, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	559	624	843	1419	2227	1759	1218	720	652	399	385	350
MAX	657	649	892	1846	2656	2094	1721	845	900	467	472	515
(WY)	1997	1996	1997	1997	1997	1996	1996	1997	1995	1997	1996	1996
MIN	460	599	794	991	1812	1424	716	572	470	303	338	202
(WY)	1996	1997	1996	1996	1996	1997	1997	1995	1996	1996	1995	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1995 - 1997	
ANNUAL TOTAL	342387		338087			
ANNUAL MEAN	935		926		920	
HIGHEST ANNUAL MEAN					926	1997
LOWEST ANNUAL MEAN					915	1996
HIGHEST DAILY MEAN	3550	Apr 1	5080	Feb 26	5080	Feb 26 1997
LOWEST DAILY MEAN	176	Jul 5	128	Sep 6	128	Sep 6 1997
ANNUAL SEVEN-DAY MINIMUM	197	Jul 1	132	Sep 2	132	Sep 2 1997
INSTANTANEOUS PEAK FLOW			5340	Feb 25	5340	Feb 25 1997
INSTANTANEOUS PEAK STAGE			13.65	Feb 25	13.65	Feb 25 1997
INSTANTANEOUS LOW FLOW			127	a	127	a
ANNUAL RUNOFF (CFSM)	.94		.93		.92	
ANNUAL RUNOFF (INCHES)	12.74		12.58		12.51	
10 PERCENT EXCEEDS	1940		2050		1780	
50 PERCENT EXCEEDS	727		662		602	
90 PERCENT EXCEEDS	310		255		276	

a Part of each day September 2 and 5-8, 1997

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 mi^2, approximately.
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.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1916, 36.50 ft, July 9, 1994, in backwater from the Flint River.

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	561	490	686	802	2240	e3600	992	2980	921	827	423	186
2	734	488	873	822	2140	3260	1020	2880	909	820	490	178
3	835	481	1110	884	2000	2910	929	2280	871	768	488	179
4	868	484	1230	902	1850	2600	855	1740	817	758	465	182
5	899	500	1310	885	1720	2330	799	1410	746	668	467	178
6	869	500	1270	882	1600	2090	771	1150	678	641	502	171
7	825	495	1180	910	1510	1940	819	979	606	726	458	171
8	914	534	1040	1050	1470	1810	827	890	557	783	402	169
9	1100	619	921	1610	1530	1710	822	794	520	789	352	171
10	1090	833	861	2420	1580	1610	789	715	484	734	335	179
11	1060	973	822	e3200	1550	1510	753	653	458	617	396	232
12	974	950	792	e4400	1470	1440	720	601	446	497	475	224
13	879	849	786	e4000	1410	1390	682	573	439	421	489	223
14	803	778	767	3200	1580	1370	669	551	425	366	461	223
15	748	692	751	2560	2530	1370	662	521	501	329	450	217
16	701	635	732	2250	e3400	1300	650	517	663	309	462	208
17	666	604	729	2070	e4200	1230	628	539	763	285	501	200
18	638	583	756	1910	e4400	1180	593	501	760	289	503	191
19	611	578	856	1790	e4100	1150	561	469	834	308	472	184
20	587	633	981	1660	e3600	1140	544	444	898	355	438	182
21	568	700	1050	1560	3020	1190	529	417	881	428	413	186
22	547	725	1060	1460	3050	1240	521	403	799	465	390	188
23	534	727	1010	1370	e3400	1200	536	400	723	530	379	185
24	522	710	952	1330	e4200	1130	578	423	656	594	340	183
25	514	681	908	1580	e5200	1060	620	519	583	613	311	191
26	512	658	929	2070	e5500	1010	658	795	570	569	279	230
27	506	672	952	2440	e4900	961	758	1020	575	501	254	308
28	502	686	911	2650	e4100	953	1000	1020	567	445	229	484
29	501	674	863	2550	---	944	1350	1000	567	427	215	614
30	497	646	838	2420	---	935	2180	1010	664	379	202	619
31	494	---	819	2350	---	966	---	970	---	352	194	---
TOTAL	22059	19578	28745	59987	79250	48529	23815	29164	19881	16593	12235	7036
MEAN	712	653	927	1935	2830	1565	794	941	663	535	395	235
MAX	1100	973	1310	4400	5500	3600	2180	2980	921	827	503	619
MIN	494	481	686	802	1410	935	521	400	425	285	194	169
CFSM	.68	.63	.89	1.86	2.72	1.51	.76	.90	.64	.51	.38	.23
IN.	.79	.70	1.03	2.15	2.83	1.74	.85	1.04	.71	.59	.44	.25

e Estimated

APALACHICOLA RIVER BASIN

02355350 ICHAWAYNOCHAWAY CREEK BELOW NEWTON, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	527	596	824	1481	1746	2303	1881	1139	791	833	769	576
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	794	437	308	344	378	235
(WY)	1944	1939	1939	1939	1938	1938	1997	1941	1941	1996	1995	1997

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	361890		366872			
ANNUAL MEAN	989		1005		1138	
HIGHEST ANNUAL MEAN					1832	1946
LOWEST ANNUAL MEAN					690	1941
HIGHEST DAILY MEAN	3600	Apr 1	5500	Feb 26	9950	Feb 21 1940
LOWEST DAILY MEAN	220	Jul 5	169	Sep 8	169	Sep 8 1997
ANNUAL SEVEN-DAY MINIMUM	245	Jul 1	174	Sep 3	174	Sep 3 1997
INSTANTANEOUS PEAK FLOW				Unknown	10300	Apr 18 1944
INSTANTANEOUS PEAK STAGE			a9.00	Feb 20	b18.30	Apr 18 1944
INSTANTANEOUS LOW FLOW			c168	Sep 8	c168	Sep 8 1997
ANNUAL RUNOFF (CFSM)	.95		.97		1.09	
ANNUAL RUNOFF (INCHES)	12.94		13.12		14.87	
10 PERCENT EXCEEDS	2070		2160		2190	
50 PERCENT EXCEEDS	771		746		779	
90 PERCENT EXCEEDS	363		309		357	

a Backwater from Flint River
b At site and datum then in use
c Gage height, 2.09 ft

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 mi^2, 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 ft^3/s, 15.68 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 108,000 ft^3/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 ft^3/s, from rating curve extended above 70,000 ft^3/s on basis of slope-conveyance studies.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,500 ft^3/s, Feb. 25, gage height, 23.35 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.45	18.31	18.39	19.07	19.78	21.58	19.54	21.22	19.70	19.66	19.40	18.33
2	18.62	18.43	18.29	19.18	19.24	21.04	19.60	20.84	19.47	19.80	19.55	18.27
3	19.14	18.23	18.64	19.47	18.86	20.70	19.54	20.54	19.79	19.87	19.47	18.25
4	19.33	18.05	19.20	19.52	18.87	20.67	19.39	20.70	19.81	19.79	19.44	18.07
5	19.17	18.28	19.75	19.32	19.06	21.05	19.17	20.95	19.87	19.60	19.52	17.94
6	18.80	18.38	19.92	19.12	19.19	21.30	18.94	20.75	19.87	19.11	19.54	17.74
7	18.51	18.49	19.89	19.19	19.49	21.06	18.85	20.30	19.78	18.77	19.49	17.51
8	18.76	18.72	19.34	19.36	19.85	21.64	18.80	20.16	19.51	18.76	19.35	17.45
9	18.91	18.70	18.88	19.95	19.86	22.09	18.86	20.19	19.42	19.04	19.37	17.52
10	18.79	18.82	18.95	20.37	19.72	22.07	18.76	19.85	19.39	19.18	19.14	17.61
11	18.76	18.75	19.01	20.27	19.66	20.81	18.70	19.75	19.27	19.36	19.03	17.71
12	18.77	18.99	19.01	19.97	19.68	19.71	18.71	19.59	19.03	19.45	19.10	17.64
13	18.51	19.16	19.09	20.22	19.59	19.50	18.46	19.50	19.08	19.29	19.17	17.57
14	18.28	19.18	19.29	20.34	19.90	19.79	18.32	19.37	19.18	19.12	19.17	17.50
15	18.34	18.97	19.07	20.24	20.40	19.85	18.32	19.30	19.13	19.12	19.13	17.46
16	18.37	18.72	18.72	20.41	20.80	19.63	18.34	19.13	18.97	19.17	19.01	17.36
17	18.37	18.50	18.71	20.23	21.47	19.64	18.58	19.07	19.08	19.10	18.88	17.23
18	18.42	18.53	18.49	19.84	21.78	19.81	18.65	18.95	19.32	19.12	18.72	17.13
19	18.41	18.82	18.52	19.78	21.68	20.03	18.39	18.76	19.71	19.04	18.68	17.07
20	18.35	18.89	18.79	19.41	21.50	19.98	17.99	18.68	20.01	18.89	18.73	17.02
21	18.25	18.96	19.14	19.33	21.50	20.01	17.76	18.71	20.10	18.85	18.78	16.94
22	18.31	18.88	19.33	19.14	21.54	19.98	17.75	18.71	19.81	18.78	18.81	16.95
23	18.40	18.78	19.11	19.17	21.96	19.74	17.92	18.62	19.33	18.79	18.81	17.08
24	18.42	18.50	19.03	19.14	22.88	19.45	18.00	18.72	19.19	18.83	18.57	17.34
25	18.56	18.14	18.88	19.55	23.29	19.35	18.10	18.57	19.22	18.91	18.32	17.42
26	18.52	18.24	18.94	19.62	23.27	19.53	18.39	18.76	19.42	18.99	18.31	17.75
27	18.40	18.23	18.95	19.72	23.07	19.64	18.80	18.84	19.72	18.91	18.32	17.98
28	18.32	18.35	18.92	20.22	22.17	19.66	19.33	18.89	19.83	18.87	18.32	18.27
29	18.27	18.31	18.67	20.05	---	19.73	20.27	19.38	19.57	18.88	18.34	18.34
30	18.32	18.37	18.53	20.01	---	19.52	20.90	19.66	19.44	18.95	18.43	18.53
31	18.25	---	18.77	19.99	---	19.41	---	19.80	---	19.02	18.39	---
MEAN	18.55	18.59	18.97	19.72	20.72	20.26	18.77	19.56	19.50	19.13	18.94	17.63
MAX	19.33	19.18	19.92	20.41	23.29	22.09	20.90	21.22	20.10	19.87	19.55	18.53
MIN	18.25	18.05	18.29	19.07	18.86	19.35	17.75	18.57	18.97	18.76	18.31	16.94

CAL YR 1996 MEAN 19.20 MAX 24.25 MIN 17.39
WTR YR 1997 MEAN 19.19 MAX 23.29 MIN 16.94

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 mi^2, approximately.
PERIOD OF RECORD.--July 1974 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
30...	0925	81341	18.35	175	172	7.8	7.7	22.0	24.5	8.1	93
NOV											
20...	0950	81341	18.85	160	156	7.5	7.4	17.0	20.0	8.9	93
DEC											
18...	0950	81341	18.44	165	157	7.5	7.7	15.0	7.0	8.8	88
JAN											
22...	0935	81341	19.03	90	87	7.3	7.1	8.5	16.0	11.4	97
FEB											
19...	1010	81341	21.73	79	75	7.2	7.1	11.0	22.0	11.0	99
MAR											
19...	1000	81341	19.96	136	128	7.6	7.6	18.0	24.0	8.5	90
APR											
23...	0820	81341	17.94	160	86	7.8	7.8	21.5	18.0	7.6	88
MAY											
21...	0725	81341	18.82	148	140	7.7	7.8	24.0	25.0	7.7	92
JUN											
04...	0805	81341	19.82	114	109	7.6	7.6	24.0	23.0	7.1	85
JUL											
23...	0850	81341	18.84	176	166	7.7	7.7	27.5	30.0	7.4	94
AUG											
20...	0845	81341	18.69	149	144	7.6	7.7	28.0	28.0	6.8	87
SEP											
17...	0830	81341	17.30	194	186	8.1	8.0	27.0	27.5	8.6	108

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	COLOR (PLATINUM-COBALT UNITS) (00028)	TURBIDITY (NTU) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00076)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00310)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00417)(00530)
OCT						
30...	81341	5	3.0	<1.0	66	2
NOV						
20...	81341	20	3.0	1.1	54	2
DEC						
18...	81341	30	6.0	<1.0	62	4
JAN						
22...	81341	90	27	<1.0	29	16
FEB						
19...	81341	90	24	1.1	23	17
MAR						
19...	81341	60	13	<1.0	54	7
APR						
23...	81341	10	3.0	<1.0	60	4
MAY						
21...	81341	40	7.0	<1.0	59	2
JUN						
04...	81341	20	8.0	<1.0	41	10
JUL						
23...	81341	15	3.0	<1.0	69	1
AUG						
20...	81341	25	4.0	<1.0	54	2
SEP						
17...	81341	10	2.0	<1.0	76	2

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
30...	81341	1.07	.040	.16	.20	1.3	.030	2.0
NOV								
20...	81341	.840	.040	.06	.10	.94	.030	3.0
DEC								
18...	81341	.970	.050	.25	.30	1.3	.030	3.0
JAN								
22...	81341	.500	.030	.37	.40	.90	.060	5.0
FEB								
19...	81341	.370	.040	.36	.40	.77	.040	6.0
MAR								
19...	81341	.730	.070	.23	.30	1.0	.040	4.0
APR								
23...	81341	.960	.040	--	--	--	.030	2.0
MAY								
21...	81341	.980	.060	.14	.20	1.2	.040	2.0
JUN								
04...	81341	.630	.040	.26	.30	.93	.040	4.0
JUL								
23...	81341	1.05	.070	.33	.40	1.5	.030	3.0
AUG								
20...	81341	.920	.050	.35	.40	1.3	.050	3.0
SEP								
17...	81341	1.13	<.030	--	.20	1.3	.060	2.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
30...	0925	81341	18.35	20
NOV				
20...	0950	81341	18.85	40
DEC				
18...	0950	81341	18.44	130
JAN				
22...	0935	81341	19.03	80
FEB				
19...	1010	81341	21.73	330
MAR				
19...	1000	81341	19.96	490
APR				
23...	0820	81341	17.94	70
MAY				
21...	0725	81341	18.82	<20
JUN				
04...	0805	81341	19.82	50
JUL				
23...	0850	81341	18.84	40
AUG				
05...	0910	81213	19.46	<20
12...	0840	81213	19.10	<20
20...	0845	81341	18.69	20
SEP				
17...	0830	81341	17.30	<20

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 mi^2, approximately.
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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 12	1600	*3,760	14.23	Feb. 26	0300	2,550	12.48
Feb. 17	2100	3,280	13.58				

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	131	200	226	384	1340	1760	329	833	520	419	158	54
2	166	196	311	373	1290	1630	313	1050	497	538	195	51
3	230	193	382	374	1210	1410	301	970	452	605	257	48
4	297	189	490	391	1110	1220	285	713	436	705	258	48
5	424	185	520	402	1000	1080	270	597	382	659	271	46
6	621	183	567	422	918	977	291	511	337	564	282	43
7	754	181	562	455	848	887	442	434	300	513	315	42
8	747	196	493	512	807	815	408	381	267	575	366	41
9	669	216	421	685	780	761	404	341	239	541	304	41
10	703	220	379	1260	790	718	370	307	214	459	275	39
11	777	233	358	2830	796	680	322	277	193	383	325	55
12	790	240	340	3690	799	648	300	260	180	321	344	55
13	709	282	325	3290	794	618	281	246	177	273	266	49
14	604	296	313	2310	830	611	268	228	189	229	235	50
15	515	257	302	1630	1280	612	259	211	215	195	204	51
16	455	221	294	1330	2430	568	249	196	218	171	178	49
17	414	201	297	1180	3190	540	238	190	322	154	162	46
18	383	188	299	1200	3180	515	224	182	479	153	145	43
19	354	181	331	1210	2710	490	213	174	494	160	130	41
20	332	176	350	1120	2050	470	204	166	481	177	120	40
21	313	181	377	1000	1580	483	196	156	440	204	118	39
22	296	196	403	893	1440	501	190	145	481	235	115	38
23	282	200	410	818	1590	516	224	139	475	239	115	37
24	272	209	404	780	1620	500	254	136	401	217	111	37
25	259	215	415	901	2200	453	241	174	348	231	101	39
26	247	214	407	1160	2450	416	238	228	320	254	88	49
27	237	212	427	1340	2060	387	304	271	314	231	75	65
28	228	209	436	1470	1830	367	432	331	359	213	66	69
29	220	210	438	1550	---	370	644	408	387	183	64	73
30	213	206	425	1510	---	367	731	464	381	158	61	69
31	206	---	404	1390	---	353	---	471	---	145	57	---
TOTAL	12848	6286	12106	37860	42922	21723	9425	11190	10498	10104	5761	1447
MEAN	414	210	391	1221	1533	701	314	361	350	326	186	48.2
MAX	790	296	567	3690	3190	1760	731	1050	520	705	366	73
MIN	131	176	226	373	780	353	190	136	177	145	57	37
CFSM	.85	.43	.81	2.52	3.16	1.44	.65	.74	.72	.67	.38	.10
IN.	.99	.48	.93	2.90	3.29	1.67	.72	.86	.81	.77	.44	.11

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	209	185	390	721	951	1239	869	426	307	313	269	196
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	144095		182170			
ANNUAL MEAN	394		499		502	
HIGHEST ANNUAL MEAN					1096	1948
LOWEST ANNUAL MEAN					98.8	1955
HIGHEST DAILY MEAN	2570	Apr 2	3690	Jan 12	12500	Jan 28 1978
LOWEST DAILY MEAN	28	Aug 23	37	Sep 23,24	5.1	Aug 14 1986
ANNUAL SEVEN-DAY MINIMUM	29	Aug 22	39	Sep 19	5.5	Aug 13 1986
INSTANTANEOUS PEAK FLOW			3760	Jan 12	a17700	Apr 12 1975
INSTANTANEOUS PEAK STAGE			14.23	Jan 12	19.95	Jul 8 1994
INSTANTANEOUS LOW FLOW			37	Sep 24	5.0	b
ANNUAL RUNOFF (CFSM)	.81		1.03		1.03	
ANNUAL RUNOFF (INCHES)	11.05		13.97		14.06	
10 PERCENT EXCEEDS	889		1170		1200	
50 PERCENT EXCEEDS	226		322		239	
90 PERCENT EXCEEDS	50		96		52	

a Gage height, 19.43 ft.
b August 14, 15, 18, and 19,1986 and August 22, 23, 1990.

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 mi^2, 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, 2,014,300 acre-ft May 4, elevation, 1,072.51 ft; minimum, 1,702,900 acre-ft Nov. 7, elevation, 1,064.14 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1065.66	1756900	-	-
Oct. 31.....	1064.27	1707500	-49400	-803
Nov. 30.....	1064.21	1705400	-2100	-35
Dec. 31.....	1066.73	1795400	+90000	+1464
CAL YR 1996	-	-	-119000	-164
Jan. 31.....	1069.30	1890500	+95100	+1547
Feb. 28.....	1074.70	2101900	+211400	+3806
Mar. 31.....	1071.29	1966500	-135400	-2202
Apr. 30.....	1071.95	1992200	+25700	+432
May 31.....	1072.00	1994200	+2000	+33
June 30.....	1071.39	1970400	-23800	-400
July 31.....	1070.82	1948300	-22100	-359
Aug. 31.....	1069.05	1881100	-67200	-1093
Sept. 30.....	1066.55	1789000	-92100	-1548
WTR YR 1997	-	-	+32100	+44

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 mi^2, 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, 659,300 acre-ft June 19, elevation, 637.05 ft; minimum, 402,800 acre-ft Sep. 24, elevation, 626.94 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	631.59	521000	-	-
Oct. 31.....	630.62	498900	-22100	-358
Nov. 30.....	629.12	465900	-33000	-555
Dec. 31.....	628.67	456300	-9600	-156
CAL YR 1996	-	-	-36500	-50
Jan. 31.....	631.37	515900	+59600	+969
Feb. 28.....	631.56	520300	+4400	+79
Mar. 31.....	631.32	514800	-5500	-89
Apr. 30.....	635.70	622900	+108100	+1817
May 31.....	636.29	638600	+15700	+255
June 30.....	636.19	635900	-2700	-45
July 31.....	635.05	605800	-30100	-490
Aug. 31.....	633.65	570400	-35400	-576
Sept. 30.....	632.21	535500	-34900	-587
WTR YR 1997	-	-	+14500	+20

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 mi^2, 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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	519.8	174000	-	-
Oct. 31.....	520.1	176000	+2000	+33
Nov. 30.....	520.9	180000	+4000	+67
Dec. 31.....	520.4	177000	-3000	-49
CAL YR 1996	-	-	-1000	-1
Jan. 31.....	520.8	180000	+3000	+49
Feb. 28.....	520.9	180000	0	0
Mar. 31.....	520.6	179000	-1000	-16
Apr. 30.....	519.3	171000	-8000	-134
May 31.....	520.5	178000	+7000	+114
June 30.....	520.9	180000	+2000	+34
July 31.....	520.5	178000	-2000	-33
Aug. 31.....	520.8	180000	+2000	+33
Sept. 30.....	520.8	180000	0	0
WTR YR 1997	-	-	+6000	+8

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

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 mi^2, 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, 960,200 acre-ft Feb. 16, elevation, 190.56 ft; minimum, 717,800 acre-ft Sep. 23, elevation, 184.75 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	186.91	801900	-	-
Oct. 31.....	185.26	737100	-64800	-1054
Nov. 30.....	185.96	764100	+27000	+454
Dec. 31.....	187.14	811300	+47200	+768
CAL YR 1996	-	-	-32100	-44
Jan. 31.....	188.38	863400	+52100	+847
Feb. 28.....	188.33	861300	-2100	-38
Mar. 31.....	188.29	859500	-1800	-29
Apr. 30.....	190.09	938600	+79100	+1329
May 31.....	189.20	898900	-39700	-646
June 30.....	190.28	947300	+48400	+813
July 31.....	188.88	884800	-62500	-1016
Aug. 31.....	186.59	789100	-95700	-1556
Sept. 30.....	185.81	758300	-30800	-518
WTR YR 1997	-	-	-43600	-60

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 mi^2, 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 399,200 acre-ft May 2, elevation, 77.82 ft; minimum, 300,000 acre-ft Sep. 20, elevation 75.07 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	76.38	344900	-	-
Oct. 31.....	76.40	345600	+700	+11
Nov. 30.....	76.44	347100	+1500	+25
Dec. 31.....	76.95	365500	+18400	+299
CAL YR 1996	-	-	-12700	-17
Jan. 31.....	77.18	374300	+8800	+143
Feb. 28.....	77.09	370800	-3500	-63
Mar. 31.....	77.35	380900	+10100	+164
Apr. 30.....	77.82	399200	+18300	+308
May 31.....	77.40	382900	-16300	-265
June 30.....	77.40	382900	0	0
July 31.....	77.21	375500	-7400	-120
Aug. 31.....	76.51	349600	-25900	-421
Sept. 30.....	76.59	352500	+2900	+49
WTR YR 1997	-	-	+7600	+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 mi^2.
PERIOD OF RECORD.--January 1996 to December 1996 (discontinued).
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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0500	147	27	26	6.8	6.7	15.0	13.0	8.4	88
NOV										
05...	0500	132	27	26	7.2	6.6	10.0	10.0	9.8	90
DEC										
03...	0500	420	25	24	7.2	6.6	7.0	-2.0	10.4	89

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
OCT				
08...	3.0	<1.0	20	3
NOV				
05...	2.0	<1.0	40	10
DEC				
03...	11	<1.0	700	4

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT							
08...	0.170	<0.030	0.10	0.10	0.27	<0.020	1.0
NOV							
05...	0.180	<0.030	0.10	0.10	0.28	0.020	2.0
DEC							
03...	0.320	0.030	0.17	0.20	0.52	0.070	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 mi^2.

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 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1445	4,150	5.95	May 3	0745	*6,840	*8.79

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	310	216	2530	598	684	2610	860	805	1320	651	557	235
2	287	352	1580	553	636	1670	779	813	835	604	396	252
3	269	275	900	521	605	1520	731	4630	695	541	356	240
4	253	237	699	497	609	1250	696	2400	693	511	336	239
5	239	225	605	570	747	1110	678	1610	625	538	319	217
6	230	221	560	526	609	1300	2040	1250	583	465	305	211
7	228	233	576	491	578	1010	1460	1100	569	444	315	207
8	223	911	532	479	675	901	1080	953	555	439	328	204
9	220	503	474	833	612	825	912	900	540	428	343	229
10	215	364	445	765	591	779	827	840	531	417	417	363
11	215	310	432	653	567	732	776	788	527	396	361	478
12	199	280	529	579	539	678	1230	758	560	388	333	275
13	194	263	695	538	705	661	1050	728	597	384	323	242
14	191	256	545	513	755	1400	885	692	1440	373	371	225
15	189	249	493	510	760	1100	814	679	954	372	333	217
16	189	239	463	832	680	878	762	642	710	384	318	209
17	189	234	517	620	630	791	734	624	1010	366	302	206
18	253	398	480	560	592	745	697	610	939	362	288	203
19	244	541	447	535	570	1180	695	608	766	351	278	199
20	208	372	419	516	553	1030	715	648	665	335	289	195
21	200	345	404	497	608	865	660	597	616	323	301	192
22	198	374	399	531	725	789	789	564	646	322	266	198
23	229	326	396	636	585	718	975	547	577	417	254	194
24	216	305	489	892	549	673	770	540	554	442	248	231
25	203	369	493	1830	533	645	682	616	521	352	247	585
26	215	594	437	1020	539	939	649	681	568	326	244	349
27	298	434	478	781	726	713	719	583	620	313	240	282
28	261	372	467	1390	3020	853	1210	551	806	322	239	386
29	232	338	885	1040	---	2090	1120	651	695	377	237	347
30	219	503	810	851	---	1300	907	714	618	410	230	262
31	209	---	667	750	---	1010	---	744	---	1490	221	---
TOTAL	7025	10639	19846	21907	19982	32765	26902	28866	21335	13843	9595	7872
MEAN	227	355	640	707	714	1057	897	931	711	447	310	262
MAX	310	911	2530	1830	3020	2610	2040	4630	1440	1490	557	585
MIN	189	216	396	479	533	645	649	540	521	313	221	192
CFSM	.96	1.50	2.71	2.99	3.02	4.48	3.80	3.95	3.01	1.89	1.31	1.11
IN.	1.11	1.68	3.13	3.45	3.15	5.16	4.24	4.55	3.36	2.18	1.51	1.24

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	275	351	469	658	789	869	767	619	478	400	327	258
MAX	765	880	1104	1351	2148	1953	1442	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1939 - 1997	
ANNUAL TOTAL	220024		220577			
ANNUAL MEAN	601		604		519	
HIGHEST ANNUAL MEAN					835	1990
LOWEST ANNUAL MEAN					207	1988
HIGHEST DAILY MEAN	6070	Jan 27	4630	May 3	9870	Feb 16 1990
LOWEST DAILY MEAN	189	Oct 15-17	189	Oct 15-17	69	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	195	Oct 11	195	Oct 11	75	Aug 28 1988
INSTANTANEOUS PEAK FLOW			6840	May 3	17000	Oct 4 1964
INSTANTANEOUS PEAK STAGE			8.79	May 3	17.63	Oct 4 1964
INSTANTANEOUS LOW FLOW			185	a	65	Sep 3 1988
ANNUAL RUNOFF (CFSM)	2.55		2.56		2.20	
ANNUAL RUNOFF (INCHES)	34.68		34.77		29.90	
10 PERCENT EXCEEDS	976		1010		930	
50 PERCENT EXCEEDS	478		540		400	
90 PERCENT EXCEEDS	229		227		188	

a Oct 15,16, and Aug 31

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0530	224	50	49	7.0	6.9	15.0	13.0	8.2	86
NOV										
05...	0530	228	51	50	6.9	6.8	10.0	10.0	9.0	83
DEC										
03...	0530	973	32	32	7.2	6.6	7.0	-2.0	10.2	88

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
08...	5.0	2.2	7000	12	10	0.200	0.190	0.230	1.0
NOV									
05...	3.0	1.6	790	12	5	0.220	0.200	0.190	2.0
DEC									
03...	15	1.8	2300	5	33	0.300	0.070	0.100	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 mi^2.
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 fair.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 3	0300	*865	*6.67	July 31	0530	310	3.70

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	7.1	7.0	52	12	14	81	19	20	47	22	17	9.6
2	6.8	12	18	10	13	40	18	39	23	14	13	7.6
3	6.5	7.7	13	9.4	13	33	18	280	20	13	12	8.5
4	6.2	7.0	11	9.4	14	26	18	44	18	12	11	7.6
5	5.9	6.8	10	13	18	27	19	31	16	12	10	7.1
6	5.9	6.8	9.6	10	13	29	74	26	15	11	9.9	6.9
7	6.0	7.3	13	10	12	23	35	24	17	11	11	6.8
8	5.9	25	11	12	17	21	27	23	16	11	10	6.7
9	5.8	10	9.6	24	14	20	24	22	15	12	12	10
10	5.7	8.7	9.3	17	14	19	22	20	15	11	12	11
11	5.6	7.9	9.0	15	13	18	21	20	15	10	11	8.6
12	5.6	7.4	13	14	12	18	36	19	17	10	10	6.2
13	5.6	7.2	13	13	20	20	27	19	16	10	14	5.8
14	5.6	7.2	12	12	20	37	24	18	22	9.8	12	5.7
15	5.5	6.9	11	13	22	25	22	17	16	11	10	5.5
16	5.4	6.8	11	24	18	21	21	16	15	11	9.9	5.4
17	5.4	6.8	12	15	16	20	20	16	28	9.8	9.5	5.4
18	7.6	16	9.8	14	14	19	20	16	18	9.6	9.1	5.4
19	6.1	13	9.3	12	14	25	20	19	16	9.3	8.8	5.3
20	6.0	9.5	8.9	12	13	21	20	17	14	9.1	14	5.2
21	6.0	9.4	8.7	11	21	19	19	16	14	9.0	11	5.3
22	6.0	8.8	9.0	13	18	18	21	15	14	9.2	9.1	5.4
23	7.1	8.3	8.6	12	15	18	21	15	13	18	8.8	5.6
24	6.0	7.7	11	42	14	17	18	15	13	11	8.4	e10
25	5.8	12	9.9	73	14	16	17	16	14	9.7	8.3	e22
26	6.6	13	9.4	25	15	26	17	15	14	9.3	8.1	e15
27	8.8	9.8	10	18	32	19	25	14	15	11	8.0	e10
28	6.7	8.7	9.8	42	116	22	32	14	14	18	8.0	e21
29	6.4	8.3	12	24	---	42	25	18	13	16	7.8	e18
30	6.3	10	12	19	---	25	22	20	16	13	7.6	e8.0
31	6.0	---	11	16	---	22	---	26	---	88	7.5	---
TOTAL	191.9	283.0	376.9	565.8	549	787	722	890	519	440.8	318.8	260.6
MEAN	6.19	9.43	12.2	18.3	19.6	25.4	24.1	28.7	17.3	14.2	10.3	8.69
MAX	8.8	25	52	73	116	81	74	280	47	88	17	22
MIN	5.4	6.8	8.6	9.4	12	16	17	14	13	9.0	7.5	5.2
CFSM	.62	.94	1.22	1.83	1.96	2.54	2.41	2.87	1.73	1.42	1.03	.87
IN.	.71	1.05	1.40	2.11	2.04	2.93	2.69	3.31	1.93	1.64	1.19	.97

e Estimated

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.84	13.1	15.6	22.4	28.4	35.1	29.2	20.8	14.7	11.7	9.24	7.94
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1975 - 1997	
ANNUAL TOTAL	7342.2		5904.8			
ANNUAL MEAN	20.1		16.2		18.0	
HIGHEST ANNUAL MEAN					32.9	1990
LOWEST ANNUAL MEAN					7.15	1988
HIGHEST DAILY MEAN	413	Mar 6	280	May 3	831	Feb 16 1990
LOWEST DAILY MEAN	4.9	Sep 15	5.2	Sep 20	1.1	Jun 26 1986
ANNUAL SEVEN-DAY MINIMUM	5.5	Oct 11	5.3	Sep 16	1.2	Jun 22 1986
INSTANTANEOUS PEAK FLOW			865	May 3	3160	May 29 1973
INSTANTANEOUS PEAK STAGE			6.67	May 3	a16.96	May 29 1973
INSTANTANEOUS LOW FLOW			4.9	b	1.1	c
ANNUAL RUNOFF (CFSM)	2.01		1.62		1.80	
ANNUAL RUNOFF (INCHES)	27.34		21.99		24.52	
10 PERCENT EXCEEDS	30		25		31	
50 PERCENT EXCEEDS	13		13		12	
90 PERCENT EXCEEDS	6.0		6.6		5.4	

a From floodmarks
b Part of each day, September 15-22
c 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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0600	43	81	80	7.2	7.2	15.0	12.0	8.0	83
NOV										
05...	0600	39	79	78	6.9	7.1	10.5	10.0	8.7	80
DEC										
03...	0600	85	67	67	7.2	7.2	6.0	-3.0	10.2	85

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
08...	4.0	<1.0	170	35	3	0.310	<0.030	<0.020	1.0
NOV									
05...	2.0	<1.0	130	31	1	0.380	0.050	<0.020	2.0
DEC									
03...	13	<1.0	330	25	21	0.440	0.030	0.020	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 mi^2.
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.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge 18,400 ft^3/s from rating curve extended above 3,100 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 3	0600	*7,240	*9.63	No other peak greater than base discharge.			

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	62	51	671	111	173	1250	207	220	692	233	215	52
2	59	110	299	110	155	570	192	208	276	160	133	58
3	57	72	169	99	148	475	184	3320	235	135	115	48
4	55	63	132	95	149	344	178	763	192	121	103	51
5	53	62	113	130	200	302	176	427	171	113	91	47
6	51	60	108	114	160	397	1070	328	158	107	84	44
7	51	60	128	107	149	287	540	277	173	106	80	43
8	51	277	122	109	178	249	323	246	162	108	84	39
9	49	131	105	293	160	225	263	229	153	104	91	43
10	47	91	97	225	159	217	230	213	147	106	113	125
11	48	77	93	171	152	202	212	198	154	96	94	105
12	47	70	124	141	143	188	338	191	159	93	84	65
13	46	70	222	127	229	183	287	185	180	91	88	56
14	46	70	144	117	243	405	240	184	264	89	109	52
15	46	67	121	114	261	283	216	179	208	88	86	48
16	46	64	107	295	215	232	204	169	166	92	77	49
17	45	65	133	180	185	210	199	165	289	83	73	48
18	60	154	115	156	166	198	190	163	257	80	70	e45
19	62	214	106	133	156	260	190	182	193	78	66	e45
20	53	126	95	123	147	242	206	194	159	75	87	e44
21	49	107	98	115	174	210	183	169	146	72	96	e44
22	47	101	91	121	197	196	194	156	150	78	72	e44
23	53	87	88	140	158	182	211	152	144	170	62	e45
24	57	82	107	360	147	173	189	155	134	154	61	e120
25	51	106	116	839	140	164	177	170	131	100	60	e270
26	51	207	100	341	138	276	173	181	150	87	59	e130
27	74	122	108	224	251	206	233	164	164	84	56	e110
28	64	100	104	483	1610	221	414	158	200	132	57	e250
29	60	90	114	305	---	411	311	187	143	125	58	e180
30	55	95	135	229	---	290	249	226	142	127	52	e110
31	52	---	119	193	---	239	---	259	---	836	50	---
TOTAL	1647	3051	4384	6300	6343	9287	7979	10018	5892	4123	2626	2410
MEAN	53.1	102	141	203	227	300	266	323	196	133	84.7	80.3
MAX	74	277	671	839	1610	1250	1070	3320	692	836	215	270
MIN	45	51	88	95	138	164	173	152	131	72	50	39
CFSM	.45	.85	1.19	1.71	1.90	2.52	2.24	2.72	1.65	1.12	.71	.68
IN.	.51	.95	1.37	1.97	1.98	2.90	2.49	3.13	1.84	1.29	.82	.75

e Estimated

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	95.2	141	182	267	302	380	309	218	156	117	89.5	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1974 - 1997	
ANNUAL TOTAL	76789		64060			
ANNUAL MEAN	210		176		192	
HIGHEST ANNUAL MEAN					323	1990
LOWEST ANNUAL MEAN					62.7	1988
HIGHEST DAILY MEAN	4590	Jan 27	3320	May 3	6890	Mar 4 1979
LOWEST DAILY MEAN	45	Oct 17	39	Sep 8	6.1	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	46	Oct 11	45	Sep 3	9.7	Aug 31 1987
INSTANTANEOUS PEAK FLOW			7240	May 3	14100	Mar 4 1979
INSTANTANEOUS PEAK STAGE			9.63	May 3	14.18	Mar 4 1979
INSTANTANEOUS LOW FLOW			36	Sep 9	5.7	Jul 11 1988
ANNUAL RUNOFF (CFSM)	1.76		1.47		1.61	
ANNUAL RUNOFF (INCHES)	24.00		20.03		21.87	
10 PERCENT EXCEEDS	312		277		349	
50 PERCENT EXCEEDS	131		135		129	
90 PERCENT EXCEEDS	57		52		49	

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 mi^2.

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.--50 years (water years 1897-1908, 1919-23, 1962-71, 1975-97), 1,181 ft^3/s, 30.77 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 ft^3/s, from rating curve extended above 24,000 ft^3/s.

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	719	360	775	891	1670	964	1420	1960	1430	766	666	785
2	689	367	796	977	1530	1030	1430	1970	1360	779	879	783
3	694	351	845	1380	1450	1270	1460	2500	1430	799	855	842
4	611	341	875	1380	1450	3080	1520	2170	1490	804	839	847
5	455	332	1070	1310	1470	3880	1540	2020	1530	810	871	856
6	453	348	1580	1280	1490	3880	1550	2300	1540	770	881	486
7	429	345	1560	1280	1530	3890	2000	3690	1520	747	890	408
8	576	345	1470	1290	1530	3820	3770	3900	1370	1030	880	382
9	1050	339	1590	1190	1390	3770	4110	3930	1270	1160	867	368
10	1010	321	2420	973	1290	3890	3810	3730	1390	1220	818	385
11	1030	310	2510	995	1420	3800	2700	3040	1480	1270	768	355
12	995	327	2450	921	1510	3320	1710	2730	1520	1270	797	437
13	799	325	2330	861	1610	2200	1320	2770	1370	1190	808	435
14	612	327	1610	863	1690	1480	1240	2850	1260	1120	818	417
15	594	319	1240	853	1670	1480	1330	2560	1160	1190	834	372
16	522	312	1230	816	1520	1430	1390	1840	1110	1190	823	396
17	431	293	1250	846	1450	1450	1440	1330	1250	1070	780	385
18	344	276	1220	877	1510	1490	1500	1250	1300	611	753	368
19	331	284	1240	837	1500	1540	1530	1270	1350	580	803	376
20	310	287	1360	793	1390	1620	1490	1390	1390	545	819	392
21	282	272	1390	800	925	1670	1450	1460	1430	513	842	399
22	286	266	1290	806	791	1660	1480	1560	1400	507	832	378
23	299	263	1210	823	746	1570	1490	1600	1380	497	831	488
24	314	257	1030	833	727	1510	1500	1630	1430	512	757	429
25	330	253	766	856	791	1510	1510	1540	1480	513	715	436
26	346	278	774	831	844	1550	1550	1460	1500	509	739	431
27	342	428	824	818	887	1570	1530	1440	1480	481	760	428
28	320	765	812	875	960	1580	1520	1480	1250	429	779	410
29	334	793	788	1010	---	1600	1620	1530	829	467	803	398
30	332	776	790	1420	---	1500	1910	1530	769	483	825	423
31	358	---	852	1630	---	1430	---	1530	---	507	801	---
TOTAL	16197	10860	39947	31315	36741	66434	53820	65960	40468	24339	25133	14295
MEAN	522	362	1289	1010	1312	2143	1794	2128	1349	785	811	477
MAX	1050	793	2510	1630	1690	3890	4110	3930	1540	1270	890	856
MIN	282	253	766	793	727	964	1240	1250	769	429	666	355
MEAN†	360	722	1083	1333	1412	2093	1812	2034	1250	832	538	626
CFSM†	.69	1.39	2.08	2.56	2.71	4.02	3.48	3.90	2.41	1.60	1.03	1.20
IN.†	.80	1.55	2.40	2.95	2.82	4.63	3.88	4.50	2.69	1.84	1.19	1.34

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	655	804	1026	1273	1481	1855	1746	1254	979	811	695	587
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1975 - 1997	
ANNUAL TOTAL	447529		425509			
ANNUAL MEAN	1223	†1230	1166	†1174	1095	†1118
HIGHEST ANNUAL MEAN					1945	1990
LOWEST ANNUAL MEAN					399	1988
HIGHEST DAILY MEAN	4360	Feb 6	4110	Apr 9	6580	Feb 16 1990
LOWEST DAILY MEAN	253	Nov 25	253	Nov 25	122	Nov 15 1974
ANNUAL SEVEN-DAY MINIMUM	268	Nov 20	268	Nov 20	172	Nov 13 1974
INSTANTANEOUS PEAK FLOW			4310	Apr 9	8370	Feb 16 1990
INSTANTANEOUS PEAK STAGE			11.31	Apr 9	18.94	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.35	†2.36	2.24	†2.25	2.10	†2.15
ANNUAL RUNOFF (INCHES)	31.95	†32.06	30.38	†30.60	28.56	†29.13
10 PERCENT EXCEEDS	2480		1760		2190	
50 PERCENT EXCEEDS	1070		995		835	
90 PERCENT EXCEEDS	343		350		325	

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	1920
LOWEST ANNUAL MEAN	571	1904
HIGHEST DAILY MEAN	21300	Mar 26 1964
LOWEST DAILY MEAN	173	Sep 19 1896
ANNUAL SEVEN-DAY MINIMUM	184	a
INSTANTANEOUS PEAK FLOW	b28500	Nov 19 1906
INSTANTANEOUS PEAK STAGE	c30.60	Nov 19 1906
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 December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0730	1040	38	38	7.1	6.9	19.5	14.0	8.2	92
NOV										
06...	0700	340	40	39	7.0	6.6	16.0	16.0	8.6	89
DEC										
04...	0700	867	44	43	7.1	7.1	10.5	3.0	9.4	86

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	4.0	1.1	--	13	13	0.100	<0.030	<0.020	2.0
NOV									
06...	3.0	<1.0	<20	12	3	0.110	<0.030	<0.020	1.0
DEC									
04...	6.0	<1.0	330	15	7	0.200	<0.030	<0.020	2.0

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0800	30	254	251	7.8	7.7	15.0	14.0	7.3	75
NOV										
06...	0740	35	239	237	7.7	7.7	13.0	16.0	7.5	72
DEC										
04...	0730	44	181	180	7.8	7.7	7.0	3.0	8.1	68

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	11	<1.0	490	118	23	0.370	0.070	0.030	2.0
NOV									
06...	6.0	<1.0	490	110	7	0.270	0.030	0.020	2.0
DEC									
04...	13	<1.0	490	82	13	0.690	<0.030	0.030	2.0

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 mi^2.
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 Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.
REMARKS.--Records 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.--58 years, 1,510 ft^3/s, 24.67 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 ft^3/s.

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	964	505	2450	1170	2400	5610	1990	2550	3000	906	739	814
2	918	588	2110	1150	2170	4100	1920	2410	2030	972	1020	803
3	900	593	1430	1560	2000	3150	1900	8420	1900	930	969	870
4	887	516	1320	1670	2020	4080	1960	6680	1860	894	923	888
5	607	486	1360	1650	2160	4740	1970	3580	1830	904	946	899
6	581	488	1900	1620	2100	5020	3230	3180	1820	842	963	657
7	557	500	1980	1570	2070	4800	4110	4170	1820	794	968	367
8	612	1170	1920	1560	2230	4470	4040	4130	1730	987	965	335
9	1210	830	1850	2270	2060	4130	4330	3980	1550	1290	963	336
10	1280	616	2540	2010	1860	4080	4100	3970	1620	1370	948	452
11	1280	538	2820	1580	1980	4030	3330	3370	1700	1420	864	482
12	1280	520	2860	1360	2030	3750	2520	2970	1780	1440	880	419
13	1130	510	3320	1200	2440	2980	1940	2960	1860	1350	885	409
14	803	497	2490	1150	3030	2630	1700	3010	1920	1220	908	382
15	765	484	1670	1120	2800	2440	1710	2900	1920	1280	921	350
16	725	471	1530	2150	2500	2140	1750	2390	1530	1320	910	338
17	667	447	1630	1630	2210	2050	1780	1770	2390	1270	859	347
18	523	554	1610	1370	2160	2060	1810	1620	2630	765	804	343
19	483	910	1560	1240	2090	2720	1840	1610	1950	583	840	324
20	457	630	1610	1140	2030	2710	1830	1740	1770	544	887	345
21	427	540	1680	1100	1580	2430	1760	1780	1730	488	911	356
22	420	504	1580	1100	1530	2280	1780	1830	1670	494	908	335
23	435	476	1470	1220	1300	2130	1950	1870	1620	495	902	478
24	453	451	1420	2120	1200	2010	1880	1920	1640	662	829	409
25	466	496	1120	4180	1220	1970	1820	1910	1660	569	735	566
26	488	829	992	3260	1270	2310	1820	1830	1700	527	770	644
27	500	709	1080	1710	1460	2240	1830	1770	1760	488	787	490
28	481	1080	1080	3190	4440	2170	2780	1780	1610	426	809	483
29	485	1130	1580	2860	---	3100	2940	1830	1040	466	840	450
30	475	1100	1250	2580	---	2550	2720	1870	887	489	872	443
31	493	---	1170	2500	---	2180	---	2020	---	1030	847	---
TOTAL	21752	19168	54382	55990	58340	97060	71040	87820	53927	27215	27372	14814
MEAN	702	639	1754	1806	2084	3131	2368	2833	1798	878	883	494
MAX	1280	1170	3320	4180	4440	5610	4330	8420	3000	1440	1020	899
MIN	420	447	992	1100	1200	1970	1700	1610	887	426	735	324

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	834	1132	1499	2092	2345	2945	2447	1614	1201	974	826	707
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1975 - 1997	
ANNUAL TOTAL	655754		588880			
ANNUAL MEAN	1792	†1799	1613	†1621	1547	
HIGHEST ANNUAL MEAN					2741	1990
LOWEST ANNUAL MEAN					562	1988
HIGHEST DAILY MEAN	14300	Jan 27	8420	May 3	17900	Apr 14 1979
LOWEST DAILY MEAN	389	Aug 19	324	Sep 19	188	Sep 11 1976
ANNUAL SEVEN-DAY MINIMUM	437	Aug 19	341	Sep 16	242	Nov 13 1974
INSTANTANEOUS PEAK FLOW			9190	May 3	24900	Mar 4 1979
INSTANTANEOUS PEAK STAGE			22.49	May 3	30.07	Mar 4 1979
ANNUAL RUNOFF (CFSM)	2.16	†2.16	1.94	†1.95	1.86	
ANNUAL RUNOFF (INCHES)	29.36	†29.47	26.36	†26.49	25.30	
10 PERCENT EXCEEDS	3890		2990		3340	
50 PERCENT EXCEEDS	1410		1470		1090	
90 PERCENT EXCEEDS	484		484		406	

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	1946
LOWEST ANNUAL MEAN	717	1941
HIGHEST DAILY MEAN	31500	Mar 30 1951
LOWEST DAILY MEAN	220	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	229	Oct 21 1954
INSTANTANEOUS PEAK FLOW	40200	Mar 30 1951
INSTANTANEOUS PEAK STAGE	a34.20	Mar 30 1951
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 mi^2.
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 reregulatation 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 1996 TO SEPTEMBER 1997

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
10...	0820	1320	51	49	7.2	7.0	17.0	9.5	8.7	92
NOV										
07...	0830	503	75	76	7.4	7.1	17.0	19.0	8.3	88
DEC										
05...	0840	1290	73	73	7.5	7.0	10.0	7.0	8.7	79

DATE	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
10...	10	<1.0	--	16	.140	<.030	.030	2.0
NOV								
07...	4.0	<1.0	70	29	.150	<.030	<.020	2.0
DEC								
05...	13	1.1	330	23	.290	.200	.030	2.0

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 Road 39, 0.25 mi upstream from Conasauga River, 0.5 mi north of intersection with Georgia State Highway 2 at Georgia-Tennessee State line and 4.5 mi northeast of Alacolsy.
DRAINAGE AREA.--40.3 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0630	24	16	15	7.0	6.6	14.0	13.0	9.1	92
NOV										
06...	0620	45	15	14	6.8	6.5	11.0	13.0	9.4	88
DEC										
04...	0625	215	12	12	6.7	6.4	7.0	3.0	10.4	88

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	<1.0	<1.0	<20	5	<1	<0.020	0.030	<0.020	<1.0
NOV									
06...	1.0	<1.0	<20	6	0	<0.020	<0.030	<0.020	<1.0
DEC									
04...	2.0	<1.0	<20	5	<1	0.060	<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 Tennga, Murray County, Georgia and 3 mi upsteam from Mill Creek.
DRAINAGE AREA.--108 mi^2.
PERIOD OF RECORD.--January 1996 to December 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0530	54	43	42	7.4	7.0	15.0	14.0	8.6	88
NOV										
06...	0530	110	35	34	7.1	6.8	11.0	14.0	8.9	82
DEC										
04...	0540	415	21	21	7.1	6.8	7.0	3.0	9.6	80

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	1.0	<1.0	170	17	2	<0.020	<0.030	<0.020	1.0
NOV									
06...	1.0	<1.0	50	12	0	<0.020	<0.030	<0.020	<1.0
DEC									
04...	2.0	<1.0	<20	9	2	0.040	<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 mi^2.
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. Since May 1997, flow affected at times by off-stream reservoir used to supplement flow for withdrawals by City of Dalton.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 3,800 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 25	2300	5,440	12.43	Mar. 4	0700	7,040	13.22
Mar. 1	1600	6,190	12.82	May 4	0600	*7,370	*13.37

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	255	131	1590	511	621	5360	684	977	2720	311	185	66
2	208	424	2210	455	539	3020	587	782	1130	277	121	66
3	188	441	889	414	516	4280	535	4780	594	250	104	70
4	175	298	633	378	567	6170	487	6170	451	225	95	81
5	152	275	515	861	683	2280	452	1620	402	216	91	71
6	136	355	490	783	638	1990	995	896	355	213	85	63
7	123	229	540	566	580	1480	1380	741	329	193	84	58
8	118	2020	645	470	647	1090	796	639	314	187	106	56
9	110	1930	528	986	607	849	620	593	309	181	114	57
10	101	719	444	919	553	713	540	560	351	173	118	65
11	98	529	395	937	567	658	481	474	295	166	136	89
12	97	423	688	577	494	605	564	432	295	156	107	106
13	89	335	1560	453	700	555	734	433	441	152	96	75
14	86	307	889	401	1010	701	593	372	817	145	92	65
15	83	396	621	381	734	736	489	367	772	138	100	61
16	81	272	497	1120	611	600	443	359	528	141	90	58
17	79	255	552	785	530	521	431	336	461	143	86	56
18	97	273	553	562	462	519	408	287	449	125	82	55
19	165	523	467	503	390	1400	378	286	383	117	84	53
20	134	504	404	451	369	1700	422	337	341	113	80	52
21	99	450	354	402	846	965	384	340	306	109	80	50
22	91	541	334	377	1990	740	803	295	311	107	81	49
23	107	490	320	604	754	599	1760	275	329	106	76	48
24	158	428	390	1380	553	517	1290	265	271	119	68	64
25	126	641	536	4680	478	472	821	247	279	109	65	336
26	108	1750	427	3800	498	627	628	321	357	97	62	331
27	117	1030	488	1120	928	682	590	308	908	90	63	141
28	160	654	463	1450	2680	658	1030	301	444	86	64	109
29	156	508	546	1220	---	1740	3020	312	495	95	106	118
30	142	451	675	893	---	1700	1950	376	377	118	75	102
31	133	---	593	726	---	886	---	464	---	685	65	---
TOTAL	3972	17582	20236	29165	20545	44813	24295	24945	15814	5343	2861	2671
MEAN	128	586	653	941	734	1446	810	805	527	172	92.3	89.0
MAX	255	2020	2210	4680	2680	6170	3020	6170	2720	685	185	336
MIN	79	131	320	377	369	472	378	247	271	86	62	48
CFSM	.51	2.33	2.59	3.73	2.91	5.74	3.21	3.19	2.09	.68	.37	.35
IN.	.59	2.60	2.99	4.31	3.03	6.62	3.59	3.68	2.33	.79	.42	.39

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	248	403	694	857	1049	999	578	465	346	215	164	156
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1982 - 1997	
ANNUAL TOTAL	241643		212242			
ANNUAL MEAN	660		581		512	
HIGHEST ANNUAL MEAN					848	1990
LOWEST ANNUAL MEAN					158	1988
HIGHEST DAILY MEAN	11100	Jan 27	6170	Mar 4, May 4	23000	Mar 28 1994
LOWEST DAILY MEAN	79	Oct 17	48	Sep 23	24	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	87	Oct 12	52	Sep 17	29	Aug 30 1987
INSTANTANEOUS PEAK FLOW			7370	May 4	30000	Mar 28 1994
INSTANTANEOUS PEAK STAGE			13.37	May 4	20.52	Mar 28 1994
INSTANTANEOUS LOW FLOW			48	Sep 23	23	Jul 11 1988
ANNUAL RUNOFF (CFSM)	2.62		2.31		2.03	
ANNUAL RUNOFF (INCHES)	35.67		31.33		27.61	
10 PERCENT EXCEEDS	1250		1100		1030	
50 PERCENT EXCEEDS	406		408		256	
90 PERCENT EXCEEDS	111		83		68	

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 mi^2.
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.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	1145	472	3.99	May 3	0530	*513	*4.10
Mar. 3	0845	417	3.83				

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	12	7.1	84	26	26	140	23	40	46	7.7	5.4	2.0
2	10	23	60	23	22	78	20	39	25	7.1	3.9	2.2
3	8.1	16	37	20	20	227	18	288	18	6.4	3.4	2.1
4	6.8	12	26	18	20	104	16	91	15	5.6	3.0	2.1
5	5.8	10	22	31	33	69	16	52	13	5.4	2.7	1.6
6	5.1	8.6	19	29	29	91	80	37	11	4.9	2.4	1.3
7	4.8	16	25	24	25	62	59	28	11	4.6	2.7	1.2
8	4.5	177	24	21	29	44	36	23	9.8	4.5	3.1	1.1
9	4.1	61	21	37	28	33	27	21	9.3	4.3	3.9	1.4
10	3.9	32	18	39	26	28	21	18	8.8	4.0	5.2	4.3
11	4.0	21	17	29	23	24	19	16	8.8	3.7	3.5	6.7
12	3.5	19	33	22	20	20	24	15	8.5	3.7	3.1	2.8
13	3.2	14	55	19	35	19	23	14	7.8	3.5	2.9	2.0
14	3.0	13	36	17	46	25	21	13	18	3.2	3.0	1.6
15	3.0	11	26	17	35	23	19	12	14	4.4	3.9	1.5
16	2.8	9.7	22	38	27	20	17	11	12	4.5	2.8	1.4
17	2.8	9.1	24	28	23	19	16	10	13	3.2	2.9	1.3
18	6.0	21	20	26	20	18	15	9.8	13	2.8	3.8	1.2
19	4.3	38	18	21	19	44	15	9.9	13	2.6	2.3	1.2
20	3.0	26	15	18	17	46	16	11	12	2.5	2.5	1.1
21	2.9	27	17	16	26	32	15	9.5	10	2.3	5.1	1.2
22	2.9	30	14	16	29	25	51	8.2	11	2.2	2.7	1.2
23	7.8	25	13	20	23	21	105	7.7	8.7	3.1	2.1	1.2
24	4.4	20	19	59	20	18	56	7.6	7.7	2.7	1.8	9.3
25	3.7	38	20	161	19	17	34	12	7.3	2.3	1.7	19
26	3.7	73	19	65	20	39	26	9.7	14	2.0	1.7	6.8
27	7.4	41	21	42	27	31	25	8.8	16	1.8	1.6	4.4
28	6.7	27	20	54	245	31	49	8.3	12	7.4	2.2	5.4
29	6.0	21	41	49	---	45	138	11	10	12	2.0	4.6
30	5.6	24	41	39	---	41	63	12	8.4	8.5	1.7	3.3
31	5.0	---	32	31	---	30	---	16	---	14	1.5	---
TOTAL	156.8	870.5	859	1055	932	1464	1063	869.5	392.1	146.9	90.5	96.5
MEAN	5.06	29.0	27.7	34.0	33.3	47.2	35.4	28.0	13.1	4.74	2.92	3.22
MAX	12	177	84	161	245	227	138	288	46	14	5.4	19
MIN	2.8	7.1	13	16	17	17	15	7.6	7.3	1.8	1.5	1.1
CFSM	.61	3.51	3.35	4.12	4.02	5.71	4.28	3.39	1.58	.57	.35	.39
IN.	.71	3.92	3.86	4.75	4.19	6.59	4.78	3.91	1.76	.66	.41	.43

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	10.2	20.4	25.4	35.5	37.5	37.8	23.3	14.7	15.3	11.4	7.62	8.00
MAX	30.0	35.9	48.3	55.5	108	71.6	50.8	28.0	57.3	43.6	25.9	32.0
(WY)	1990	1990	1992	1996	1990	1990	1994	1997	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1985 - 1997	
ANNUAL TOTAL	8740.7		7995.8			
ANNUAL MEAN	23.9		21.9		20.9	
HIGHEST ANNUAL MEAN					34.3	1990
LOWEST ANNUAL MEAN					8.37	1988
HIGHEST DAILY MEAN	302	Jan 27	288	May 3	970	Feb 16 1990
LOWEST DAILY MEAN	2.3	Aug29,Sep 15	1.1	Sep 8,20	.45	Aug 19 1995
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 17	1.2	Sep 17	.56	Sep 7 1995
INSTANTANEOUS PEAK FLOW			513	May 3	a2240	Feb 16 1990
INSTANTANEOUS PEAK STAGE			4.10	May 3	6.96	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.89		2.65		2.52	
ANNUAL RUNOFF (INCHES)	39.32		35.97		34.27	
10 PERCENT EXCEEDS	46		43		44	
50 PERCENT EXCEEDS	16		16		11	
90 PERCENT EXCEEDS	3.4		2.5		2.1	

a From rating curve extended above 430 ft^3/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 mi^2.
PERIOD OF RECORD.--July 1974 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
10...	0530	81341	83	144	140	7.6	7.6	15.5	9.5	8.1	83
NOV											
07...	0530	81341	172	79	79	7.4	7.3	15.0	19.0	8.6	87
DEC											
05...	0540	81341	606	91	89	7.6	7.2	8.0	7.0	9.1	78
JAN											
07...	0500	81341	786	103	100	7.7	7.4	11.0	5.0	9.9	92
FEB											
04...	0500	81341	502	118	111	7.3	7.3	12.0	15.0	9.8	93
MAR											
04...	0500	81341	5030	100	--	6.9	6.8	15.0	13.0	9.2	93
APR											
01...	0400	81341	867	--	77	7.0	7.4	13.0	7.0	9.3	--
MAY											
06...	0400	81341	572	77	72	7.1	7.2	15.0	14.0	9.3	94
JUN											
03...	0400	81341	783	85	80	7.2	7.2	18.0	15.0	8.3	91
JUL											
08...	0400	81341	176	134	132	7.4	7.8	23.0	21.0	7.7	92
AUG											
05...	0400	81341	101	146	138	7.5	7.6	25.5	24.0	7.5	94
SEP											
02...	0400	81341	23	148	141	7.4	7.6	25.0	23.0	7.4	91

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT							
10...	81341	6.0	6	<1.0	--	61	9
NOV							
07...	81341	8.0	7	<1.0	32	31	12
DEC							
05...	81341	9.0	5	1.5	40	39	17
JAN							
07...	81341	16	10	1.0	40	40	23
FEB							
04...	81341	8.0	5	1.0	48	47	13
MAR							
04...	81341	56	25	1.7	--	21	42
APR							
01...	81341	10	<5	1.2	--	35	22
MAY							
06...	81341	13	8	<1.0	--	31	28
JUN							
03...	81341	21	13	<1.0	40	18	37
JUL							
08...	81341	5.0	7	<1.0	82	61	11
AUG							
05...	81341	8.0	10	<1.0	68	63	25
SEP							
02...	81341	7.0	9	<1.0	60	59	16

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
10...	81341	.110	<.030	--	.20	.31	<.020	1.0
NOV								
07...	81341	.070	<.030	--	<.10	--	.020	2.0
DEC								
05...	81341	.240	<.030	--	.10	.34	<.020	1.0
JAN								
07...	81341	.220	<.030	--	.20	.42	.040	3.0
FEB								
04...	81341	.360	<.030	--	.10	.46	.020	1.0
MAR								
04...	81341	.120	.040	.56	.60	.72	.130	7.0
APR								
01...	81341	.200	<.030	--	.20	.40	.030	2.0
MAY								
06...	81341	.220	<.030	--	--	--	.040	2.0
JUN								
03...	81341	.250	<.030	--	.30	.55	.060	3.0
JUL								
08...	81341	.260	<.030	--	.20	.46	.020	2.0
AUG								
05...	81341	.270	<.030	--	.20	.47	.030	2.0
SEP								
02...	81341	.140	<.030	--	.30	.44	.020	2.0

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
10...	0530	81341	83	230
NOV				
07...	0530	81341	172	280
DEC				
05...	0540	81341	606	80
JAN				
07...	0500	81341	786	3300
FEB				
04...	0500	81341	502	230
MAR				
04...	0500	81341	5030	4900
APR				
01...	0400	81341	867	340
MAY				
06...	0400	81341	572	490
JUN				
03...	0400	81341	783	790
JUL				
08...	0400	81341	176	230
15...	1415	81213	123	220
21...	0400	81213	90	70
AUG				
05...	0400	81341	101	220
SEP				
02...	0400	81341	23	50

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP 16...	1640	81213	52	139	7.8	23.5	36.0	7.5	90

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP 16...	81213	18	5.0	<1.0	<2.0	<0.5	<1.0	1.7

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP 16...	81213	1.5	<2.0	<0.1	<1.0	<2.0	9.2

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
10...	0500	41	282	275	7.7	7.7	15.5	9.5	8.2	85
NOV										
07...	0500	19	267	264	7.6	7.6	15.0	19.0	8.4	85
DEC										
05...	0500	100	212	206	7.5	7.5	9.0	7.0	8.8	78

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
10...	10	<1.0	310	130	--	0.330	0.030	0.080	3.0
NOV									
07...	9.0	1.0	130	113	11	0.240	0.050	0.110	7.0
DEC									
05...	18	1.6	790	85	11	0.700	<0.030	0.090	4.0

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 mi^2.
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. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	2200	3,430	9.71	Apr. 23	1200	2,240	9.09
Mar. 3	2100	2,020	8.95	May 3	1300	4,520	*10.18

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	41	22	901	149	167	1640	159	244	711	71	37	9.2
2	35	84	689	128	143	657	135	271	226	60	24	14
3	31	46	245	112	128	1320	121	3630	145	52	21	11
4	27	33	160	101	129	1060	112	1240	109	51	19	11
5	24	28	127	275	231	494	105	421	91	57	19	11
6	22	27	114	179	155	618	520	287	78	43	17	8.8
7	22	42	163	138	136	381	369	220	74	39	26	8.0
8	21	789	135	121	194	286	203	180	69	38	31	7.9
9	19	248	107	384	156	229	160	162	63	36	31	11
10	19	119	92	271	145	195	133	140	61	35	49	27
11	18	82	85	185	130	169	119	120	59	32	26	60
12	17	64	190	138	115	146	182	110	62	31	21	20
13	17	55	331	116	280	135	166	103	55	30	18	14
14	15	50	171	103	299	218	134	95	207	27	25	11
15	15	46	127	101	204	179	118	89	134	27	19	11
16	15	41	106	435	155	145	107	80	88	39	19	9.6
17	14	38	138	187	132	128	101	74	135	27	16	8.9
18	25	145	111	142	117	120	93	70	123	25	19	8.7
19	32	269	99	125	108	376	93	84	135	23	16	8.3
20	19	136	84	113	101	303	124	110	95	22	17	7.7
21	17	103	76	101	149	203	88	71	76	20	21	6.8
22	16	116	73	107	169	163	466	62	74	19	18	5.7
23	22	91	69	180	113	135	1680	58	63	25	14	7.2
24	25	76	139	446	100	118	572	56	60	28	12	16
25	19	189	141	1140	94	108	270	122	51	22	11	126
26	19	543	106	527	116	327	196	81	100	19	11	36
27	37	211	129	271	236	182	211	67	114	17	10	21
28	33	134	111	531	1890	275	420	64	81	17	11	23
29	26	104	365	357	---	569	698	76	130	32	14	22
30	24	141	245	251	---	294	376	91	80	22	11	16
31	22	---	181	198	---	202	---	157	---	261	9.5	---
TOTAL	708	4072	5810	7612	6092	11375	8231	8635	3549	1247	612.5	557.8
MEAN	22.8	136	187	246	218	367	274	279	118	40.2	19.8	18.6
MAX	41	789	901	1140	1890	1640	1680	3630	711	261	49	126
MIN	14	22	69	101	94	108	88	56	51	17	9.5	5.7
CFSM	.36	2.12	2.93	3.84	3.40	5.73	4.29	4.35	1.85	.63	.31	.29
IN.	.41	2.37	3.38	4.42	3.54	6.61	4.78	5.02	2.06	.72	.36	.32

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	50.5	95.1	157	223	242	261	179	116	78.5	53.0	37.8	35.4
MAX	234	292	469	450	919	590	397	285	549	217	224	170
(WY)	1990	1978	1983	1974	1990	1980	1977	1984	1989	1967	1967	1989
MIN	3.36	7.93	14.1	16.6	57.7	64.6	33.0	16.8	5.75	6.15	7.67	5.17
(WY)	1988	1979	1966	1981	1988	1988	1986	1986	1988	1969	1980	1964

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1960 - 1997	
ANNUAL TOTAL	61387		58501.3			
ANNUAL MEAN	168		160		127	
HIGHEST ANNUAL MEAN					226	1990
LOWEST ANNUAL MEAN					41.9	1988
HIGHEST DAILY MEAN	4510	Jan 27	3630	May 3	9890	Feb 16 1990
LOWEST DAILY MEAN	11	Sep 15	5.7	Sep 22	1.2	Oct 10 1987
ANNUAL SEVEN-DAY MINIMUM	16	Sep 9	7.6	Sep 17	1.6	Oct 6 1987
INSTANTANEOUS PEAK FLOW			4520	May 3	a20600	Feb 16 1990
INSTANTANEOUS PEAK STAGE			10.18	May 3	14.87	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.62		2.50		1.98	
ANNUAL RUNOFF (INCHES)	35.68		34.00		26.95	
10 PERCENT EXCEEDS	310		313		262	
50 PERCENT EXCEEDS	89		100		56	
90 PERCENT EXCEEDS	21		16		10	

a From rating curve extended above 11,000 ft^3/s on basis of contracted-opening measurement of peak flow.

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0500	24	93	92	7.2	7.0	16.0	14.0	8.5	89
NOV										
06...	0500	40	94	93	7.1	7.0	12.0	14.0	8.6	81
DEC										
04...	0500	305	53	50	6.9	7.0	8.0	3.0	9.7	83

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	8.0	<1.0	170	30	14	.360	.040	.100	2.0
NOV									
06...	6.0	<1.0	80	29	6	.290	<.030	.110	3.0
DEC									
04...	14	<1.0	50	19	20	.150	<.030	.060	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 mi^2.

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, except those for the period of estimated daily discharge, which are good to fair.. 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 2	2400	5,430	12.77	May 5	0900	*12,400	*20.57
Jan. 27	0700	8,430	17.02	July 31	1500	5,110	12.39
Mar. 3	1200	11,800	20.20				

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	670	236	3680	1350	1690	8370	e1610	e3060	3670	698	2010	163
2	503	413	5130	1190	1440	9930	e1290	e1870	4540	587	502	146
3	405	782	4180	1040	1250	11200	e1130	8690	1850	520	333	124
4	364	614	1720	941	1280	e10500	e1050	11200	1050	474	265	107
5	341	413	1260	1420	1560	e11000	983	12100	824	489	234	e100
6	332	379	1120	2390	1620	e10000	e2670	8150	716	439	218	e100
7	305	441	1190	1640	1340	e6000	e3970	2210	684	402	245	e100
8	256	2680	1440	1210	1480	e3000	e2400	1600	669	346	302	e110
9	236	4170	1270	1930	1620	e2200	e1490	1370	609	329	340	e130
10	223	2670	996	2970	1350	e1800	e1210	1250	589	313	518	336
11	215	1120	869	2100	1290	e1580	e1070	1100	691	294	377	232
12	209	837	955	1610	1170	e1410	e1480	957	677	299	304	267
13	226	661	2810	1160	1460	e1270	e1690	862	687	297	249	217
14	227	557	2690	981	2890	e1630	e1430	811	1760	289	234	174
15	189	537	1580	906	2290	e1880	e1130	727	2210	288	224	165
16	171	575	1200	2300	1670	e1520	971	696	1440	413	241	126
17	171	475	1330	2780	1350	e1240	892	660	1360	287	238	110
18	198	635	1440	1600	1150	e1120	864	657	1570	255	238	99
19	234	1230	1170	1230	1010	e2170	817	573	1090	243	188	94
20	284	1250	973	1140	965	e4480	914	662	855	244	204	96
21	255	932	851	1010	1420	e3100	897	682	710	237	204	91
22	191	902	805	967	3780	e1890	e1550	585	680	211	185	104
23	176	941	783	1310	3690	e1530	e4030	528	677	212	178	90
24	192	824	851	2590	1830	e1260	e4330	520	579	438	185	119
25	239	1260	1320	6030	1230	e1090	e2580	576	510	294	178	716
26	236	3360	1180	7480	1170	e1580	e1470	652	564	248	133	1020
27	293	3170	1110	7840	1450	e1680	e1300	626	1570	225	109	582
28	296	1640	1210	4310	5280	e1610	e2330	574	1220	226	110	380
29	275	1160	1700	4500	---	e2790	e3940	582	1140	991	116	280
30	248	1090	2040	3120	---	e4150	e5160	679	952	307	170	243
31	230	---	1620	2050	---	e2570	---	860	---	3840	178	---
TOTAL	8390	35954	50473	73095	49725	115550	56648	66069	36143	14735	9210	6621
MEAN	271	1198	1628	2358	1776	3727	1888	2131	1205	475	297	221
MAX	670	4170	5130	7840	5280	11200	5160	12100	4540	3840	2010	1020
MIN	171	236	783	906	965	1090	817	520	510	211	109	90
CFSM	.39	1.74	2.37	3.43	2.58	5.43	2.75	3.10	1.75	.69	.43	.32
IN.	.45	1.95	2.73	3.96	2.69	6.26	3.07	3.58	1.96	.80	.50	.36

e Estimated

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	436	827	1382	2142	2532	2580	1745	1073	676	595	403	388
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	590002		522613			
ANNUAL MEAN	1612		1432		1225	
HIGHEST ANNUAL MEAN					2147	1990
LOWEST ANNUAL MEAN					392	1988
HIGHEST DAILY MEAN	19100	Jan 29	12100	May 5	32800	Feb 18 1990
LOWEST DAILY MEAN	171	Oct 16	90	Sep 23	12	Jul 24 1986
ANNUAL SEVEN-DAY MINIMUM	199	Oct 12	98	Sep 17	24	Aug 29 1987
INSTANTANEOUS PEAK FLOW			12400	May 5	a36800	Feb 17 1990
INSTANTANEOUS PEAK STAGE			20.57	May 5	b30.20	Mar 30 1951
ANNUAL RUNOFF (CFSM)	2.35		2.08		1.78	
ANNUAL RUNOFF (INCHES)	31.95		28.30		24.24	
10 PERCENT EXCEEDS	3690		3110		2840	
50 PERCENT EXCEEDS	915		941		550	
90 PERCENT EXCEEDS	257		192		150	

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 µS Oct. 17, 1993; minimum recorded, 34 µS 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, 457 µS Sept. 25; minimum, 62 µS May 5.
pH: Maximum recorded, 8.2 units Oct. 14, 15, 16; minimum recorded, 7.0 units Dec. 3; Apr. 9; May 5,6; Aug. 1.
WATER TEMPERATURE: Maximum recorded, 29.5°C July 26; minimum, 2.0°C Jan. 14, 18, 19, 20.
DISSOLVED OXYGEN: Maximum recorded, 13.1 mg/L Jan. 19; minimum recorded, 4.5 mg/L July 17.

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
10...	0700	81341	229	312	303	7.6	7.6	16.5	9.5	8.6	73
NOV											
07...	0700	81341	440	233	229	7.5	7.5	13.5	19.0	9.4	74
DEC											
05...	0700	81341	1310	135	132	7.5	7.3	8.5	7.0	10.6	68
JAN											
07...	0700	81341	1780	160	156	7.3	7.5	12.0	5.0	9.2	89
FEB											
04...	0600	81341	1240	162	157	7.6	7.3	10.5	15.0	11.0	89
MAR											
04...	0600	81341	10700	89	88	7.1	7.0	--	7.0	--	98
APR											
01...	0500	81341	1730	118	113	7.6	7.5	14.5	5.0	9.9	94
MAY											
06...	0500	81341	10700	69	69	7.0	7.1	15.5	11.0	--	97
JUN											
03...	0500	81341	2330	115	112	7.3	7.3	18.5	14.0	7.3	94
JUL											
08...	0500	81341	357	224	219	7.6	7.8	--	21.0	--	91
AUG											
05...	0500	81341	236	261	251	7.5	7.7	26.0	20.0	6.2	86
SEP											
02...	0500	81341	156	320	303	7.6	7.7	26.0	23.0	6.3	86

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT							
10...	81341	12	17	<1.0	--	75	20
NOV							
07...	81341	12	17	<1.0	72	55	20
DEC							
05...	81341	15	13	1.6	50	42	18
JAN							
07...	81341	46	16	1.9	80	54	68
FEB							
04...	81341	13	8	1.0	64	55	20
MAR							
04...	81341	54	26	1.4	--	33	48
APR							
01...	81341	16	12	1.1	--	40	30
MAY							
06...	81341	15	22	1.1	30	26	--
JUN							
03...	81341	39	24	1.6	46	39	74
JUL							
08...	81341	12	14	<1.0	84	71	25
AUG							
05...	81341	17	21	<1.0	78	68	37
SEP							
02...	81341	14	16	<1.0	82	84	26

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
10...	81341	.820	<.030	--	.50	1.3	.650	5.0
NOV								
07...	81341	.640	.030	.27	.30	.94	.540	5.0
DEC								
05...	81341	.460	<.030	--	.30	.76	.200	4.0
JAN								
07...	81341	.480	.050	.65	.70	1.2	.300	8.0
FEB								
04...	81341	.700	.040	.26	.30	1.0	.220	2.0
MAR								
04...	81341	.250	<.030	--	.70	.95	.170	7.0
APR								
01...	81341	.390	.040	.36	.40	.79	.180	4.0
MAY								
06...	81341	.130	.030	.37	.40	.53	.090	6.0
JUN								
03...	81341	.370	.060	.64	.70	1.1	.260	7.0
JUL								
08...	81341	.860	<.030	--	.40	1.3	.450	4.0
AUG								
05...	81341	.850	<.030	--	.40	1.3	.590	5.0
SEP								
02...	81341	.720	<.030	--	.50	1.2	.740	5.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
10...	0700	81341	229	2700
NOV				
07...	0700	81341	440	6300
DEC				
05...	0700	81341	1310	2300
JAN				
07...	0700	81341	1780	7900
FEB				
04...	0600	81341	1240	790
MAR				
04...	0600	81341	10700	4900
APR				
01...	0500	81341	1730	360
MAY				
06...	0500	81341	10700	130
JUN				
03...	0500	81341	2330	13000
JUL				
08...	0500	81341	357	1100
15...	1510	81213	265	700
21...	0500	81213	246	330
AUG				
05...	0500	81341	236	330
SEP				
02...	0500	81341	156	460

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP									
16...	1750	81213	123	349	7.7	24.5	35.0	6.6	81

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP								
16...	81213	28	7.0	<1.0	<2.0	<0.5	<1.0	2.4

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP							
16...	81213	1.2	<2.0	<0.1	3.4	<2.0	20

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, 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	187	166	354	325	181	139	162	151	142	132	---	---
2	201	187	341	287	139	89	174	162	155	142	---	---
3	216	201	304	209	112	92	185	171	164	152	---	---
4	249	214	246	218	127	110	190	176	170	163	---	---
5	258	232	246	230	151	127	195	174	174	162	---	---
6	267	249	268	240	164	150	181	160	173	162	---	---
7	271	255	244	162	181	162	168	152	173	161	---	---
8	293	264	243	136	180	167	163	154	169	163	---	---
9	305	291	138	94	176	166	179	154	163	160	---	---
10	328	293	132	99	172	164	154	147	172	162	---	---
11	324	296	151	132	184	172	149	120	175	159	---	---
12	343	315	172	151	198	178	128	117	177	161	---	---
13	340	318	183	163	200	138	145	128	184	168	160	148
14	321	299	209	183	144	130	152	145	171	141	172	158
15	336	297	217	207	148	131	159	152	148	138	161	152
16	368	336	225	202	163	148	174	136	145	140	156	151
17	365	348	241	204	181	162	142	134	158	144	---	---
18	364	318	273	220	177	166	134	128	166	155	---	---
19	390	339	268	181	171	161	137	125	180	165	---	---
20	369	299	181	171	163	161	159	137	189	179	---	---
21	299	265	179	166	165	161	168	159	---	---	---	---
22	310	272	176	170	196	165	187	167	---	---	---	---
23	359	309	179	174	200	183	190	170	---	---	---	---
24	376	346	181	170	210	193	175	142	---	---	---	---
25	371	313	192	158	212	181	---	---	---	---	---	---
26	321	303	175	142	197	183	---	---	---	---	---	---
27	342	300	142	119	193	183	104	71	162	155	155	147
28	355	328	139	129	189	174	125	104	169	114	157	143
29	339	318	154	139	193	162	118	113	---	---	152	128
30	332	309	174	154	162	145	121	115	---	---	128	101
31	333	323	---	---	152	146	133	119	---	---	118	109
MONTH	390	166	354	94	212	89	195	71	189	114	172	101

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	127	117	110	97	202	102	189	168	163	109	323	304
2	138	127	122	92	114	96	195	179	209	163	339	322
3	146	137	114	68	132	114	195	183	248	209	350	337
4	160	145	68	64	148	132	208	195	260	240	382	344
5	162	154	68	62	167	148	216	203	276	258	396	382
6	164	128	101	68	178	165	217	205	286	261	394	379
7	129	104	119	101	200	172	230	216	322	279	400	376
8	114	104	131	119	202	191	---	---	437	279	387	373
9	127	113	140	131	199	188	---	---	302	260	393	310
10	136	127	146	138	---	---	---	---	305	237	394	244
11	149	136	152	141	---	---	---	---	264	241	363	291
12	164	142	161	150	---	---	253	243	253	239	374	274
13	162	144	169	156	---	---	257	242	286	249	296	277
14	150	136	169	163	198	162	260	247	316	286	321	296
15	148	136	180	166	191	146	285	253	318	308	345	321
16	155	140	184	175	159	148	285	228	332	308	350	326
17	163	152	187	175	166	135	272	243	342	290	377	350
18	169	154	188	176	164	138	270	257	290	285	397	377
19	177	156	195	175	176	155	---	---	305	285	405	392
20	183	167	218	194	181	172	---	---	333	291	419	393
21	179	172	199	181	190	178	---	---	382	310	430	418
22	185	141	193	184	198	183	304	277	385	339	434	428
23	148	100	199	183	203	193	321	297	344	330	428	419
24	101	87	207	194	199	190	327	218	352	327	447	401
25	112	92	219	203	208	193	283	255	346	326	457	217
26	126	112	213	192	218	196	294	279	346	318	260	192
27	153	126	194	187	239	152	302	281	374	344	203	192
28	179	136	195	189	162	144	310	249	393	374	242	203
29	137	102	208	195	175	148	304	143	402	382	280	238
30	102	87	216	206	170	151	270	199	399	378	279	266
31	---	---	206	176	---	---	266	95	378	317	---	---
MONTH	185	87	219	62	239	96	327	95	437	109	457	192
YEAR	457	62										

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	7.5	7.4	7.5	7.4	7.5	7.3	7.9	7.8	7.5	7.3	---	---
2	7.4	7.4	7.5	7.4	7.5	7.3	7.9	7.8	7.5	7.3	---	---
3	7.4	7.4	7.5	7.4	7.4	7.0	7.8	7.7	7.5	7.4	---	---
4	7.5	7.4	7.4	7.4	7.4	7.2	7.8	7.7	7.6	7.5	---	---
5	7.6	7.5	7.4	7.4	7.4	7.3	7.9	7.8	7.6	7.4	---	---
6	7.6	7.6	7.5	7.4	7.5	7.3	7.9	7.7	7.6	7.4	---	---
7	7.7	7.6	7.5	7.5	7.7	7.4	7.7	7.4	7.6	7.4	---	---
8	7.6	7.6	7.5	7.1	7.9	7.5	7.4	7.1	7.7	7.5	---	---
9	7.6	7.6	7.2	7.1	8.0	7.5	7.2	7.1	7.8	7.6	---	---
10	7.7	7.6	7.4	7.2	7.7	7.4	7.3	7.2	7.8	7.7	---	---
11	7.7	7.6	7.5	7.3	7.6	7.3	7.5	7.3	7.8	7.7	---	---
12	7.8	7.6	7.5	7.4	7.7	7.5	7.6	7.4	7.8	7.7	---	---
13	8.0	7.7	7.6	7.3	8.0	7.7	7.6	7.5	7.8	7.7	7.5	7.3
14	8.2	7.7	7.6	7.5	8.1	7.8	7.6	7.4	7.7	7.7	7.5	7.4
15	8.2	7.7	7.8	7.5	7.8	7.5	7.7	7.5	7.7	7.6	7.5	7.4
16	8.2	7.7	7.8	7.7	7.6	7.4	7.7	7.4	7.9	7.6	7.4	7.4
17	8.0	7.7	7.7	7.7	7.7	7.5	7.4	7.3	7.8	7.6	---	---
18	7.8	7.6	7.7	7.6	7.7	7.5	7.3	7.2	7.8	7.6	---	---
19	7.8	7.6	7.7	7.6	7.6	7.3	7.3	7.2	7.9	7.7	---	---
20	7.9	7.7	7.7	7.7	7.3	7.2	7.4	7.2	7.9	7.7	---	---
21	7.9	7.7	7.7	7.6	7.2	7.1	7.5	7.3	---	---	---	---
22	7.9	7.7	7.7	7.7	7.3	7.1	7.5	7.4	---	---	---	---
23	7.9	7.7	7.7	7.6	7.6	7.3	7.6	7.5	---	---	---	---
24	7.8	7.7	7.6	7.4	7.6	7.5	7.7	7.5	---	---	---	---
25	7.7	7.6	7.5	7.3	7.5	7.4	---	---	---	---	---	---
26	7.7	7.5	7.6	7.3	7.5	7.4	---	---	---	---	---	---
27	7.5	7.4	7.6	7.4	7.5	7.4	7.3	7.2	8.0	7.9	7.6	7.3
28	7.5	7.4	7.6	7.3	7.6	7.5	7.5	7.2	8.0	7.8	7.4	7.3
29	7.5	7.4	7.5	7.4	7.8	7.6	7.5	7.3	---	---	7.6	7.3
30	7.5	7.4	7.5	7.4	7.9	7.8	7.3	7.3	---	---	7.6	7.6
31	7.5	7.4	---	---	7.9	7.9	7.4	7.2	---	---	7.6	7.5
MONTH	8.2	7.4	7.8	7.1	8.1	7.0	7.9	7.1	8.0	7.3	7.6	7.3

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.6	7.3	7.5	7.3	7.6	7.5	7.5	7.4	7.3	7.0	7.8	7.6
2	7.4	7.3	7.8	7.4	7.5	7.2	7.5	7.4	7.3	7.3	7.8	7.6
3	7.5	7.3	7.5	7.2	7.6	7.1	7.5	7.4	7.4	7.3	7.8	7.6
4	7.6	7.4	7.3	7.1	7.6	7.5	7.6	7.5	7.5	7.4	7.9	7.6
5	7.7	7.5	7.4	7.0	7.5	7.4	7.6	7.5	7.6	7.4	7.9	7.6
6	7.6	7.4	7.3	7.0	7.7	7.4	7.6	7.5	7.6	7.5	7.8	7.6
7	7.5	7.4	7.6	7.2	7.6	7.5	7.6	7.6	7.6	7.5	7.8	7.6
8	7.5	7.4	7.7	7.6	7.6	7.4	---	---	7.5	7.4	7.8	7.6
9	7.5	7.0	7.7	7.6	7.7	7.5	---	---	7.6	7.4	7.7	7.6
10	7.6	7.4	7.6	7.6	---	---	---	---	7.6	7.4	7.6	7.4
11	7.6	7.4	7.6	7.5	---	---	---	---	7.5	7.5	7.6	7.4
12	7.6	7.5	7.6	7.5	---	---	7.8	7.6	7.5	7.5	7.6	7.4
13	7.6	7.5	7.5	7.5	---	---	7.9	7.7	7.5	7.5	7.5	7.5
14	7.7	7.5	7.6	7.5	7.6	7.3	7.9	7.7	7.5	7.4	7.6	7.5
15	7.7	7.5	7.6	7.5	7.4	7.3	7.9	7.8	7.5	7.4	7.6	7.5
16	7.7	7.5	7.7	7.6	7.5	7.3	7.9	7.7	7.6	7.5	7.7	7.6
17	7.7	7.6	7.7	7.6	7.6	7.4	7.8	7.6	7.6	7.4	7.7	7.5
18	7.7	7.6	7.8	7.6	7.6	7.3	7.8	7.7	7.6	7.5	7.6	7.5
19	7.7	7.6	7.8	7.6	7.4	7.3	---	---	7.7	7.5	7.6	7.4
20	7.8	7.6	7.7	7.7	7.5	7.4	---	---	7.6	7.4	7.5	7.4
21	7.8	7.6	7.7	7.7	7.5	7.4	---	---	7.6	7.4	7.5	7.4
22	8.0	7.6	7.8	7.7	7.6	7.5	7.6	7.6	7.6	7.5	7.5	7.4
23	7.8	7.2	7.8	7.7	7.6	7.5	7.6	7.6	7.7	7.6	7.5	7.4
24	7.6	7.2	7.7	7.7	7.6	7.5	7.6	7.4	7.8	7.6	7.5	7.4
25	7.3	7.2	7.7	7.7	7.6	7.6	7.5	7.4	7.8	7.6	7.5	7.2
26	7.4	7.2	7.7	7.7	7.7	7.5	7.5	7.4	7.9	7.6	7.5	7.3
27	7.5	7.4	7.8	7.7	7.6	7.4	7.6	7.5	7.8	7.6	7.5	7.5
28	7.5	7.4	7.7	7.7	7.4	7.3	7.5	7.4	7.7	7.6	7.5	7.4
29	7.4	7.3	7.7	7.7	7.6	7.4	7.5	7.1	7.7	7.5	7.5	7.4
30	7.4	7.2	7.7	7.6	7.5	7.4	7.4	7.3	7.7	7.5	7.6	7.5
31	---	---	7.7	7.5	---	---	7.6	7.1	7.8	7.6	---	---
MONTH	8.0	7.0	7.8	7.0	7.7	7.1	7.9	7.1	7.9	7.0	7.9	7.2
YEAR	8.2	7.0										

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, 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	18.5	18.5	18.0	16.0	9.5	9.0	14.0	13.5	8.5	7.5	---	---
2	20.0	18.5	16.0	14.0	9.5	9.0	14.0	13.5	9.0	8.0	---	---
3	21.0	19.5	14.0	12.0	9.5	9.0	14.5	14.0	10.0	9.0	---	---
4	21.0	19.5	12.0	11.0	10.0	8.5	15.0	14.5	11.5	10.0	---	---
5	20.5	18.5	12.0	11.0	8.5	8.0	15.0	14.5	12.0	11.5	---	---
6	18.5	17.0	13.5	12.0	8.0	7.5	14.5	13.0	11.5	10.0	---	---
7	18.0	17.0	15.5	13.5	9.5	8.0	13.0	10.0	10.0	9.5	---	---
8	19.0	17.0	15.5	15.0	10.0	9.0	10.0	8.0	10.0	9.5	---	---
9	18.5	17.5	15.0	12.5	10.0	8.0	8.0	6.5	9.5	8.5	---	---
10	17.5	16.5	12.5	9.5	8.0	7.0	6.5	6.0	8.5	7.5	---	---
11	17.5	15.5	10.0	9.0	8.5	7.0	6.0	4.5	7.5	6.5	---	---
12	16.5	15.0	9.0	8.5	10.5	8.5	4.5	3.5	6.5	5.5	---	---
13	16.0	14.5	9.0	8.0	12.0	10.5	3.5	2.5	6.5	6.0	16.0	15.5
14	16.0	14.5	9.0	8.5	12.0	10.5	2.5	2.0	6.5	6.5	16.0	15.0
15	17.0	15.0	9.0	8.5	10.5	9.0	4.5	2.5	7.5	6.5	15.0	13.5
16	17.5	15.5	9.0	8.0	9.0	8.5	5.5	4.5	8.0	6.5	13.5	12.0
17	18.5	16.5	10.0	8.5	9.0	8.5	5.0	3.0	8.0	7.0	---	---
18	18.5	16.5	11.0	9.5	8.5	8.0	3.0	2.0	9.0	7.5	---	---
19	16.5	14.5	12.0	10.5	8.0	6.0	2.5	2.0	10.0	8.5	---	---
20	14.5	13.0	11.5	11.5	6.0	4.0	3.5	2.0	11.0	9.5	---	---
21	13.5	12.5	12.0	11.5	4.0	3.0	5.0	3.0	---	---	---	---
22	15.5	13.0	12.0	10.5	4.0	3.0	6.5	5.0	---	---	---	---
23	16.5	14.5	10.5	9.5	6.0	4.0	8.5	6.5	---	---	---	---
24	15.5	13.5	9.5	8.5	7.5	6.0	10.0	8.5	---	---	---	---
25	14.5	14.0	11.5	9.5	7.5	7.0	---	---	---	---	---	---
26	15.5	14.5	12.0	11.5	7.0	6.0	---	---	---	---	---	---
27	16.5	15.5	11.5	10.5	7.0	6.0	8.5	7.5	12.5	10.5	16.5	15.0
28	18.0	16.5	11.0	9.0	8.5	7.0	9.0	8.0	13.5	12.5	15.5	14.5
29	19.0	18.0	9.0	8.5	11.5	8.5	9.0	7.5	---	---	16.0	14.5
30	20.5	19.0	9.0	8.5	12.5	11.5	7.5	7.5	---	---	16.5	15.5
31	19.0	18.0	---	---	13.5	12.5	8.0	7.5	---	---	16.5	15.0
MONTH	21.0	12.5	18.0	8.0	13.5	3.0	15.0	2.0	13.5	5.5	16.5	12.0

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	14.0	17.5	16.0	18.5	18.0	26.0	24.5	24.5	23.0	28.5	26.0
2	14.5	13.0	18.5	16.5	19.0	18.5	27.0	24.5	25.5	22.5	29.0	26.0
3	15.0	13.0	17.5	16.5	19.5	18.5	28.5	26.0	25.0	22.5	27.5	26.0
4	15.5	14.0	16.5	16.0	19.5	19.0	28.5	26.0	27.0	24.0	26.5	24.0
5	17.5	15.0	16.0	16.0	20.0	19.0	27.5	25.0	28.0	26.0	25.5	22.5
6	18.0	17.0	16.5	16.0	20.5	19.0	26.5	24.5	27.0	25.5	25.0	22.0
7	18.0	17.0	17.5	16.5	20.0	19.0	25.5	23.5	26.0	24.5	25.0	22.0
8	17.0	15.5	18.0	17.0	19.5	18.5	---	---	24.5	23.0	25.5	22.5
9	15.5	14.5	18.5	17.5	19.0	18.5	---	---	24.0	21.5	25.5	23.5
10	15.0	13.5	18.5	17.0	---	---	---	---	22.5	21.0	23.5	22.5
11	15.0	13.5	18.0	16.5	---	---	---	---	24.0	21.5	24.0	21.5
12	16.0	14.5	18.0	16.5	---	---	27.0	25.5	26.0	23.0	23.5	22.0
13	16.5	15.0	18.5	16.5	---	---	28.0	26.0	26.0	25.5	23.5	21.5
14	15.0	14.0	18.5	16.5	22.0	21.0	28.0	26.0	27.0	25.5	23.5	22.0
15	15.0	13.0	19.5	17.5	22.5	21.5	28.0	27.0	28.0	26.0	24.5	21.5
16	15.5	13.0	19.0	17.5	22.5	22.0	28.0	25.5	29.0	27.0	25.0	22.0
17	15.5	14.0	19.0	17.0	22.5	21.5	28.5	26.0	29.0	27.0	25.0	22.0
18	15.0	13.5	20.0	17.5	22.5	21.5	29.0	27.0	29.0	27.5	26.0	23.5
19	14.5	13.5	20.5	19.0	23.5	21.5	---	---	29.0	27.0	26.5	24.0
20	15.5	13.5	21.0	19.5	24.5	22.5	---	---	28.0	26.5	26.5	24.0
21	16.5	14.5	21.0	19.5	25.0	23.5	---	---	28.0	25.5	26.0	24.5
22	17.0	16.0	21.0	19.0	25.0	23.5	28.5	27.5	26.5	24.5	25.0	23.0
23	17.0	16.0	21.5	19.0	26.0	24.0	28.5	27.0	26.0	23.5	23.0	22.0
24	16.0	14.5	21.0	20.0	27.0	25.0	28.0	26.5	25.5	23.0	22.0	21.5
25	14.5	12.5	21.0	20.5	27.5	25.5	28.5	26.5	24.5	23.0	21.5	19.5
26	14.0	13.0	21.5	20.5	27.0	25.5	29.5	27.0	26.0	22.5	21.0	19.5
27	14.0	13.5	21.5	21.0	26.0	24.5	29.0	27.5	27.0	23.5	21.5	20.0
28	14.5	14.0	21.0	19.0	25.5	24.0	29.0	26.5	27.0	25.0	21.0	20.5
29	15.5	14.5	19.0	18.0	25.0	24.5	27.5	24.0	27.5	24.5	21.5	19.5
30	16.0	15.0	18.0	17.5	25.5	24.0	27.5	26.0	28.0	25.0	21.0	19.0
31	---	---	18.5	17.5	---	---	27.0	22.5	28.0	25.5	---	---
MONTH	18.0	12.5	21.5	16.0	27.5	18.0	29.5	22.5	29.0	21.0	29.0	19.0
YEAR	29.5	2.0										

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN DISSOLVED (MG/L), 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	8.4	8.1	7.0	5.9	10.4	9.5	8.8	8.7	11.1	11.0	---	---
2	8.1	7.9	8.1	7.0	9.5	8.3	8.7	8.5	11.0	10.9	---	---
3	7.9	7.3	9.6	7.9	9.5	8.2	8.8	8.6	10.9	10.8	---	---
4	7.4	7.0	10.5	9.6	10.7	9.3	8.8	8.4	---	---	---	---
5	8.0	7.1	10.6	10.3	10.8	10.6	8.5	8.2	---	---	---	---
6	8.5	7.7	10.3	9.8	10.9	10.6	8.7	8.2	---	---	---	---
7	8.6	8.0	9.9	9.0	10.7	10.1	10.1	8.7	---	---	---	---
8	8.6	7.8	9.3	8.2	10.2	9.6	10.7	10.1	---	---	---	---
9	8.5	7.7	8.4	7.2	10.6	9.6	10.9	10.7	---	---	---	---
10	9.0	7.9	8.7	7.4	10.9	10.4	10.9	10.8	---	---	---	---
11	9.3	8.3	10.3	8.7	10.6	10.1	11.8	10.9	---	---	---	---
12	10.1	8.5	10.9	10.3	10.1	9.3	12.3	11.8	---	---	---	---
13	11.0	9.2	10.9	10.6	9.3	8.6	12.9	12.3	---	---	8.1	7.8
14	11.8	9.5	10.6	10.1	9.4	8.6	13.1	12.8	10.8	10.6	7.9	7.6
15	11.7	8.9	10.2	9.8	10.2	9.4	13.1	12.4	11.0	10.6	---	---
16	11.5	8.4	10.4	10.0	10.5	10.2	12.4	11.3	11.4	10.9	---	---
17	10.7	7.7	10.4	10.0	10.5	9.8	12.0	11.3	11.4	10.4	---	---
18	8.8	6.6	10.0	9.1	10.2	9.8	12.8	12.0	10.7	10.4	---	---
19	8.2	6.7	9.1	8.3	10.7	10.2	13.1	12.8	10.4	10.1	---	---
20	9.9	7.4	9.0	8.4	11.5	10.7	12.9	12.7	10.1	9.9	---	---
21	10.2	8.2	9.1	8.9	12.0	11.5	12.7	12.3	---	---	---	---
22	10.4	8.7	9.4	8.9	12.0	11.8	12.3	11.4	---	---	---	---
23	9.9	7.5	9.9	9.4	11.8	11.3	11.4	10.7	---	---	---	---
24	9.4	7.7	10.5	9.9	11.3	10.3	10.7	9.9	---	---	---	---
25	9.2	8.0	10.4	9.2	10.5	10.0	---	---	---	---	---	---
26	9.5	7.4	9.3	8.1	11.1	10.5	---	---	---	---	---	---
27	8.2	7.0	8.3	7.9	11.2	11.0	---	---	9.6	9.0	8.5	7.7
28	7.6	6.7	8.4	7.8	11.0	10.3	10.2	9.3	9.1	8.2	8.5	8.2
29	7.4	6.1	9.1	8.4	10.4	9.1	10.5	10.0	---	---	8.4	7.9
30	7.2	6.0	10.2	8.8	9.1	8.7	11.1	10.4	---	---	8.1	7.5
31	7.0	5.9	---	---	8.9	8.7	11.2	11.0	---	---	---	---
MONTH	11.8	5.9	10.9	5.9	'2.0	8.2	13.1	8.2	11.4	8.2	8.5	7.5

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	7.8	7.0	7.3	6.4	7.3	6.4	7.5	6.4
2	---	---	---	---	7.1	6.9	6.5	6.3	7.4	6.6	7.8	6.2
3	---	---	---	---	7.5	7.1	6.7	6.2	7.1	6.6	7.2	6.1
4	---	---	---	---	7.6	7.4	6.7	6.2	6.9	6.4	8.5	5.9
5	---	---	---	---	7.8	7.5	6.7	6.3	6.7	6.2	8.4	6.3
6	---	---	---	---	8.1	7.7	7.1	6.4	6.9	6.2	8.2	6.5
7	---	---	---	---	8.1	7.8	7.1	6.7	6.6	6.3	8.3	6.6
8	---	---	8.6	8.3	8.2	7.8	---	---	6.6	5.2	7.9	6.6
9	---	---	8.6	8.0	8.2	8.0	---	---	6.8	6.3	7.4	6.4
10	---	---	8.4	8.1	---	---	---	---	7.0	6.4	6.4	5.1
11	---	---	8.6	8.4	---	---	---	---	7.1	6.6	6.4	5.5
12	---	---	8.6	8.2	---	---	7.3	6.4	7.0	6.6	6.5	5.9
13	---	---	8.4	8.2	---	---	7.5	6.3	6.8	6.3	6.6	6.2
14	---	---	8.5	8.2	7.9	6.9	7.5	6.2	6.7	6.2	6.8	6.3
15	10.3	8.9	8.5	8.1	7.1	6.5	7.3	6.1	6.9	6.3	7.2	6.3
16	10.5	9.2	8.9	8.1	7.1	6.5	6.6	5.0	7.0	6.2	7.5	6.2
17	10.8	9.9	9.4	8.3	7.4	7.1	6.0	4.5	6.8	5.7	7.4	6.2
18	11.3	10.1	9.8	8.3	7.2	7.0	6.5	5.5	7.0	5.9	7.4	5.9
19	10.9	10.2	9.3	8.1	7.3	7.0	---	---	7.0	6.0	7.2	5.6
20	11.2	9.6	8.8	7.5	7.2	6.9	---	---	6.4	5.8	6.9	5.4
21	9.7	8.9	8.4	7.2	7.0	6.8	---	---	6.6	5.8	6.7	5.2
22	9.3	8.4	9.0	7.6	7.1	6.9	6.2	5.8	7.0	5.8	6.0	5.2
23	8.8	8.4	9.2	7.7	7.0	6.9	6.1	5.7	7.5	6.4	6.3	5.5
24	8.8	8.5	8.8	7.4	7.0	6.8	5.9	4.9	7.8	6.7	6.2	5.6
25	8.8	8.4	7.8	7.2	7.0	6.6	5.5	5.4	7.6	6.9	6.9	5.9
26	9.0	8.6	7.8	7.1	7.3	6.7	6.2	5.5	8.3	6.8	7.0	6.6
27	---	---	7.5	7.2	6.8	6.0	6.5	5.7	8.2	6.6	7.1	7.0
28	---	---	7.7	7.2	6.3	6.0	6.4	5.9	7.6	6.3	7.0	6.7
29	---	---	8.0	7.6	6.6	6.0	6.3	5.2	7.7	6.2	7.0	6.8
30	---	---	8.0	7.8	7.2	6.4	5.6	4.9	7.2	6.1	7.2	6.9
31	---	---	8.1	7.7	---	---	6.8	5.5	7.4	6.3	---	---
MONTH	11.3	8.4	9.8	7.1	8.2	6.0	7.5	4.5	8.3	5.2	8.5	5.1
YEAR	13.1	4.5										

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 Coosawattee River.
DRAINAGE AREA.--706 mi^2.
PERIOD OF RECORD.--August 1974 to February 1994, January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
10...	0740	168	296	290	7.6	7.6	15.5	10.0	7.0	72
NOV										
07...	0740	290	254	254	7.5	7.3	15.0	19.0	7.1	72
DEC										
05...	0745	E1600	125	123	7.5	7.2	8.0	7.0	7.9	68

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
10...	13	<1.0	790	72	.800	<.030	.610	4.0
NOV								
07...	10	<1.0	4900	58	.720	<.030	.600	5.0
DEC								
05...	16	1.6	1300	41	.430	<.030	.160	4.0

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 mi^2.
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. 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.--104 years, 2,835 ft^3/s, 24.06 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 ft^3/s.

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	1850	797	e5760	2910	4790	e13700	4190	7190	6570	1870	4660	1100
2	1580	988	e7910	2660	4170	e14100	3590	5020	7460	1800	1870	1070
3	1420	1370	e7080	2790	3660	e14500	3300	13700	5140	1660	1570	1080
4	1340	1380	3960	2920	3620	e15000	3230	16600	3360	1570	1410	1090
5	1130	1070	2870	3200	4040	e15100	3170	16200	2960	1570	1340	1090
6	998	936	3170	4440	4210	e15700	e5970	14700	2810	1490	1340	1030
7	972	1040	3430	3900	3820	e14400	e9020	10600	2750	1390	1340	635
8	926	3780	3670	3160	4090	e10300	e7760	7230	2680	1370	1450	582
9	1310	5350	3470	4380	4210	e7670	e6990	6450	2410	1760	1430	565
10	1600	4640	3670	5940	3650	e6970	e6450	6220	2310	1810	1700	858
11	1560	2060	4050	4570	3530	e6660	e5450	5400	2560	1850	1500	860
12	1580	1510	4050	3570	3550	e6250	4600	4560	2730	1890	1380	789
13	1510	1290	e6060	2770	4130	e5190	4240	4320	2710	1830	1300	767
14	1190	1130	e6410	2400	e6550	4830	3600	4350	3940	1690	1290	697
15	1040	1070	4090	2240	e6210	5070	3120	4130	4750	1660	1300	636
16	980	1110	3130	4550	4980	4270	2960	3530	3630	1880	1300	577
17	902	998	3150	5490	4070	3690	2880	2710	4420	1740	1270	560
18	838	1150	3430	3700	3650	3480	2870	2410	5700	1360	1190	546
19	785	2370	3110	2860	3420	e4900	2870	2290	3760	964	1170	499
20	807	2210	2870	2600	3220	e7630	2900	2440	3080	949	1210	520
21	800	1750	2810	2390	2960	e6910	2920	2610	2800	883	1290	539
22	700	1490	2660	2270	e5310	5000	3120	2560	2680	836	1230	515
23	667	1550	2510	2680	e6000	4200	e6170	2540	2620	826	1210	565
24	682	1410	2460	4520	3930	3680	e6850	2580	2530	1100	1170	633
25	743	1610	2680	9940	2700	3350	e5660	2650	2440	1100	1070	1070
26	795	4450	2530	10800	2560	4010	3790	2680	2510	938	1030	1850
27	857	4700	2390	10400	3000	4520	3410	2560	3300	870	1000	1420
28	876	3260	2550	10300	e9110	4070	e5420	2470	3640	795	1030	1060
29	838	2600	3840	8630	---	e6450	e7400	2530	2610	1500	1050	872
30	815	2310	4070	6990	---	e7210	8110	2650	2220	1070	1110	789
31	781	---	3290	5480	---	e6140	---	2980	---	3980	1150	---
TOTAL	32872	61379	117130	145450	119140	234950	142010	168860	103080	46001	43360	24864
MEAN	1060	2046	3778	4692	4255	7579	4734	5447	3436	1484	1399	829
MAX	1850	5350	7910	10800	9110	15700	9020	16600	7460	3980	4660	1850
MIN	667	797	2390	2240	2560	3350	2870	2290	2220	795	1000	499

e Estimated

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1503	2197	3141	4573	4952	5971	4502	2852	2063	1608	1231	1224
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1975 - 1997	
ANNUAL TOTAL	1283208		1239096			
ANNUAL MEAN	3506	†3513	3395	†3403	2975	
HIGHEST ANNUAL MEAN					5056	1990
LOWEST ANNUAL MEAN					978	1988
HIGHEST DAILY MEAN	23300	Jan 29	16600	May 4	44400	Feb 18 1990
LOWEST DAILY MEAN	667	Oct 23	499	Sep 19	330	Oct 16 1987
ANNUAL SEVEN-DAY MINIMUM	728	Aug 19	535	Sep 17	352	Jun 27 1988
INSTANTANEOUS PEAK FLOW			17000	May 4	45500	Feb 18 1990
INSTANTANEOUS PEAK STAGE			22.32	May 4	32.59	Feb 18 1990
ANNUAL RUNOFF (CFSM)	2.19	†2.20	2.12	†2.13	1.86	
ANNUAL RUNOFF (INCHES)	29.80	†29.87	28.77	†28.88	25.23	
10 PERCENT EXCEEDS	7190		6740		6600	
50 PERCENT EXCEEDS	2510		2680		1850	
90 PERCENT EXCEEDS	837		866		620	

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	1920
LOWEST ANNUAL MEAN	1246	1941
HIGHEST DAILY MEAN	50000	Mar 31 1951
LOWEST DAILY MEAN	180	Sep 7 1925
ANNUAL SEVEN-DAY MINIMUM	203	Sep 4 1925
INSTANTANEOUS PEAK FLOW	54800	Mar 31 1951
INSTANTANEOUS PEAK STAGE	34.60	Mar 31 1951
INSTANTANEOUS LOW FLOW	a180	Sep 7, 8 1925
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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	2.68	9.57	6.30	8.47	18.46	7.83	11.18	10.47	4.84	8.25	3.38
2	4.25	3.09	12.08	5.96	7.81	18.91	7.16	8.71	11.52	4.73	4.81	3.30
3	3.94	3.86	11.05	6.14	7.24	19.30	6.82	18.76	8.84	4.51	4.26	3.32
4	3.81	3.88	7.55	6.32	7.19	19.78	6.73	21.98	6.89	4.34	3.97	3.35
5	3.38	3.27	6.25	6.68	7.66	19.92	6.65	21.87	6.37	4.33	3.84	3.36
6	3.12	2.99	6.65	8.11	7.85	20.49	9.83	20.41	6.16	4.19	3.84	3.22
7	3.07	3.21	6.97	7.51	7.43	19.22	13.36	15.83	6.08	4.00	3.84	2.33
8	2.97	7.26	7.25	6.64	7.72	14.70	11.89	11.23	5.98	3.96	4.04	2.20
9	3.72	9.05	7.02	8.01	7.85	11.79	10.92	10.23	5.60	4.67	4.01	2.16
10	4.28	8.28	7.24	9.66	7.23	10.89	10.23	9.96	5.47	4.75	4.51	2.85
11	4.21	5.10	7.68	8.24	7.09	10.50	9.16	9.10	5.81	4.81	4.13	2.86
12	4.25	4.23	7.68	7.13	7.12	10.00	8.28	8.23	6.04	4.87	3.90	2.71
13	4.11	3.81	9.84	6.11	7.75	8.89	7.88	7.98	6.02	4.78	3.77	2.66
14	3.51	3.50	10.23	5.59	10.37	8.52	7.17	8.00	7.52	4.56	3.74	2.50
15	3.21	3.37	7.72	5.38	9.97	8.77	6.59	7.77	8.43	4.50	3.76	2.36
16	3.08	3.46	6.60	8.16	8.67	7.93	6.37	7.09	7.20	4.85	3.76	2.21
17	2.91	3.23	6.63	9.20	7.70	7.28	6.25	6.02	8.00	4.64	3.71	2.17
18	2.77	3.52	6.98	7.28	7.23	7.03	6.24	5.61	9.44	3.94	3.56	2.14
19	2.65	5.55	6.57	6.23	6.96	8.59	6.24	5.45	7.35	3.16	3.51	2.02
20	2.70	5.33	6.25	5.86	6.72	11.74	6.29	5.65	6.53	3.13	3.59	2.08
21	2.68	4.65	6.17	5.57	6.36	10.83	6.31	5.88	6.15	2.98	3.74	2.13
22	2.45	4.18	5.94	5.42	9.01	8.70	6.54	5.81	5.98	2.88	3.63	2.08
23	2.37	4.29	5.74	5.98	9.73	7.85	9.96	5.78	5.89	2.86	3.60	2.20
24	2.41	4.04	5.68	8.16	7.51	7.26	10.74	5.83	5.76	3.43	3.50	2.38
25	2.55	4.35	5.97	14.35	6.00	6.88	9.39	5.93	5.65	3.43	3.31	3.33
26	2.67	8.11	5.77	15.24	5.80	7.63	7.39	5.97	5.74	3.11	3.22	4.80
27	2.81	8.38	5.58	14.80	6.40	8.20	6.94	5.81	6.76	2.95	3.17	4.05
28	2.86	6.75	5.80	14.71	13.34	7.70	9.15	5.69	7.20	2.79	3.22	3.37
29	2.77	5.87	7.40	12.92	---	10.32	11.45	5.76	5.87	4.14	3.27	2.96
30	2.72	5.47	7.70	10.92	---	11.21	12.32	5.94	5.33	3.37	3.39	2.78
31	2.64	---	6.81	9.19	---	9.94	---	6.38	---	7.20	3.47	---
MEAN	3.21	4.83	7.30	8.32	7.86	11.59	8.40	9.22	6.87	4.09	3.88	2.78
MAX	4.73	9.05	12.08	15.24	13.34	20.49	13.36	21.98	11.52	7.20	8.25	4.80
MIN	2.37	2.68	5.58	5.38	5.80	6.88	6.24	5.45	5.33	2.79	3.17	2.02

WTR YR 1997 MEAN 6.53 MAX 21.98 MIN 2.02

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 mi^2.
PERIOD OF RECORD.--August 1974 to February 1994, January 1996 to December 1996 (discontinued).
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-regulatation reservoir (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Discharge obtained from gaging station 02387500 Oostanaula River at Resaca, Ga.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
10...	0800	1610	86	86	7.3	7.2	17.5	9.5	8.3	89
NOV										
07...	0805	1020	156	159	7.5	7.2	16.0	19.0	8.0	83
DEC										
05...	0810	2900	100	100	7.4	7.2	9.0	7.0	8.6	76

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
10...	12	1.0	--	26	.240	<.030	.100	2.0
NOV								
07...	5.0	<1.0	1300	45	.390	<.030	.250	3.0
DEC								
05...	16	1.5	1100	34	.370	<.030	.110	3.0

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
15...	0500	1020	138	135	7.0	7.4	16.0	10.0	8.3	86
NOV										
12...	0500	1080	130	128	7.1	7.5	8.5	0.0	8.8	76
DEC										
10...	0500	1100	117	113	6.7	7.2	7.5	0.0	9.1	77

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
15...	10	1.2	80	39	18	0.350	0.080	0.320	3.0
NOV									
12...	19	1.2	790	24	22	0.390	<0.030	0.280	5.0
DEC									
10...	13	1.0	200	29	24	0.350	<0.030	0.140	2.0

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, 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 mi^2.
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 good, except those for the periods October 1-December 10 and January 18-22, which are fair. Peak flow regulated by power company dam since November 1991.

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	21	4.7	126	21	38	414	31	32	74	23	3.6	2.4
2	20	14	130	21	25	372	18	31	26	23	2.8	2.6
3	17	15	44	21	39	393	4.3	545	16	18	2.6	2.4
4	7.6	8.8	27	22	55	268	4.1	409	15	7.4	3.2	2.4
5	3.4	2.1	25	56	68	136	4.4	63	15	2.7	2.6	2.4
6	3.4	2.5	19	55	50	102	111	24	10	2.6	2.6	2.4
7	3.3	18	6.7	45	29	86	182	28	17	2.5	3.0	2.3
8	3.1	48	6.1	25	29	30	59	40	20	2.5	2.7	2.4
9	3.1	40	12	48	28	27	40	28	15	2.5	4.2	2.5
10	3.0	50	e24	79	28	26	31	19	7.9	2.5	4.3	2.6
11	3.1	61	22	45	29	25	26	17	17	2.4	3.1	2.5
12	3.0	61	22	26	29	24	43	17	43	2.4	3.1	2.5
13	3.0	58	22	26	60	23	53	16	40	2.5	3.7	2.5
14	3.0	56	21	21	74	24	37	11	43	2.5	4.3	2.5
15	3.3	44	21	22	68	23	27	4.5	37	2.5	3.3	2.6
16	3.6	23	20	53	58	22	23	4.3	48	2.5	3.1	2.5
17	3.5	8.5	23	77	31	21	19	4.1	115	2.4	3.1	2.5
18	4.4	13	22	58	31	20	19	4.2	138	2.5	4.6	2.6
19	4.9	12	22	30	31	27	13	4.0	89	2.5	2.9	2.6
20	4.4	15	23	21	30	24	7.3	4.0	9.6	2.4	2.9	2.7
21	3.4	17	23	22	35	22	7.0	4.0	7.7	2.5	2.7	3.0
22	3.0	23	22	e33	51	22	7.9	3.4	7.7	2.6	2.5	2.9
23	4.2	30	20	46	62	21	28	3.2	6.8	3.3	2.4	2.9
24	3.5	27	18	80	39	20	23	3.2	6.2	2.9	2.4	3.5
25	2.6	32	21	227	31	21	24	3.5	5.3	2.5	2.9	65
26	2.8	34	21	238	32	24	24	3.3	5.0	2.5	2.5	57
27	3.6	37	22	143	37	22	19	3.5	4.8	2.5	2.4	27
28	2.9	34	21	281	288	21	54	3.3	4.6	2.4	2.5	26
29	3.5	65	23	306	---	31	65	3.4	12	2.6	2.6	20
30	2.9	93	22	118	---	35	32	3.4	22	7.0	2.4	7.1
31	3.8	---	21	77	---	34	---	10	---	7.2	2.4	---
TOTAL	157.3	946.6	871.8	2343	1405	2360	1036.0	1349.3	877.6	149.3	93.4	264.3
MEAN	5.07	31.6	28.1	75.6	50.2	76.1	34.5	43.5	29.3	4.82	3.01	8.81
MAX	21	93	130	306	288	414	182	545	138	23	4.6	65
MIN	2.6	2.1	6.1	21	25	20	4.1	3.2	4.6	2.4	2.4	2.3
CFSM	.31	1.90	1.69	4.55	3.02	4.59	2.08	2.62	1.76	.29	.18	.53
IN.	.35	2.12	1.95	5.25	3.15	5.29	2.32	3.02	1.97	.33	.21	.59

e Estimated

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.14	24.4	35.5	50.9	52.0	56.3	34.5	20.9	12.4	9.27	7.05	6.08
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1982 - 1997	
ANNUAL TOTAL	13828.0		11853.6			
ANNUAL MEAN	37.8		32.5		26.2	
HIGHEST ANNUAL MEAN					47.2	1990
LOWEST ANNUAL MEAN					4.36	1994
HIGHEST DAILY MEAN	488	Mar 7	545	May 3	762	Feb 16 1990
LOWEST DAILY MEAN	2.1	Aug 20,Nov 5	2.1	Nov 5	.19	Nov 4 1994
ANNUAL SEVEN-DAY MINIMUM	2.8	Jul 2	2.4	Sep 3	.27	Nov 3 1994
INSTANTANEOUS PEAK FLOW			641	May 3	944	Feb 16 1990
INSTANTANEOUS PEAK STAGE			6.85	May 3	8.32	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.28		1.96		1.58	
ANNUAL RUNOFF (INCHES)	30.99		26.56		21.44	
10 PERCENT EXCEEDS	81		62		61	
50 PERCENT EXCEEDS	17		20		7.5	
90 PERCENT EXCEEDS	2.9		2.5		2.0	

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 1996 (discontinued).
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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
15...	0530	31	233	228	7.9	7.9	13.0	10.0	8.4	81
NOV										
12...	0530	52	182	179	7.5	7.7	7.0	0.0	8.7	72
DEC										
10...	0530	210	168	168	7.8	7.4	7.0	0.0	8.9	74

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
15...	4.0	<1.0	50	111	5	0.180	<0.030	<0.020	1.0
NOV									
12...	7.0	<1.0	270	77	8	0.210	<0.030	<0.020	2.0
DEC									
10...	5.0	<1.0	70	72	5	0.400	<0.030	<0.020	1.0

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 mi^2.
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. 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.--58 years, 3,645 ft^3/s, 23.35 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2450	869	5730	3810	6040	16800	5580	8430	5420	2690	5140	1150
2	1930	1120	8550	3430	5400	20400	4330	6040	7700	2310	3490	1120
3	1670	1270	8550	3180	4750	20200	3920	14500	6700	2090	2010	1100
4	1500	1490	6510	3280	4200	19800	3630	24800	4350	1890	1640	1110
5	1390	1330	4100	3630	4760	18600	3600	24200	3500	1770	1470	1110
6	1180	1180	3520	4310	4640	17900	6550	21100	3110	1820	1400	1110
7	1090	1010	3620	4750	4520	17500	11100	18500	3120	1710	1420	980
8	1060	3900	3930	3830	4740	16000	9980	12300	3300	1560	1460	690
9	1050	4990	3740	4430	5070	11300	8170	7260	3050	1620	1510	700
10	1440	5410	3610	6060	4740	7750	7080	6450	2690	1890	1810	759
11	1600	3780	3910	6040	4230	6930	6290	5980	2970	1950	1860	1020
12	1560	2180	4040	4870	4140	6580	5900	4990	3440	1920	1540	952
13	1590	1750	4790	3770	4560	5860	5620	4750	3210	2040	1450	896
14	1470	1560	6490	3030	6420	5220	4720	4620	3620	1960	1480	814
15	1190	1380	5610	2720	7660	5530	3960	4540	5050	1780	1390	747
16	1100	1380	3950	4780	6680	4830	3560	3950	5070	1790	1370	736
17	1040	1310	3590	5970	5380	4210	3360	3770	4530	1910	1360	699
18	1020	1310	3820	5420	4590	3870	3230	3130	7030	1750	1320	701
19	929	2150	3730	4040	4070	4890	3150	2900	5370	1370	1240	684
20	847	2650	3240	3410	3860	8360	3290	2690	4030	1140	1240	643
21	852	2360	3160	3030	3800	8510	3310	2860	3820	1080	1340	615
22	859	2030	3160	2810	5300	6670	3190	3010	3410	1020	1320	613
23	800	1800	2890	3120	6690	5470	4650	2830	3310	972	1260	646
24	753	1850	2830	4810	5820	4660	6670	2930	2870	1110	1240	718
25	782	1860	2840	11100	3850	4080	6580	3090	2700	1300	1170	1490
26	831	3710	2930	13100	3180	4540	4850	3190	2610	1210	1090	2290
27	912	5000	2710	12400	3610	5120	3940	3030	2900	1100	1090	1960
28	958	4530	2860	14400	9180	4780	5540	2940	3810	984	1070	1500
29	967	3370	3580	14400	---	5520	7630	2840	5210	1030	1080	1210
30	931	2940	4930	10500	---	7580	8630	2900	3180	1560	1100	1030
31	896	---	4450	7480	---	7400	---	3140	---	1920	1150	---
TOTAL	36647	71469	131370	181910	141880	286860	162010	217660	121080	50246	48510	29793
MEAN	1182	2382	4238	5868	5067	9254	5400	7021	4036	1621	1565	993
MAX	2450	5410	8550	14400	9180	20400	11100	24800	7700	2690	5140	2290
MIN	753	869	2710	2720	3180	3870	3150	2690	2610	972	1070	613

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1824	2692	3891	5995	6552	7954	5883	3521	2406	1915	1471	1447
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1975 - 1997	
ANNUAL TOTAL	1598913		1479435			
ANNUAL MEAN	4369	†4376	4053	†4061	3783	
HIGHEST ANNUAL MEAN					6472	1990
LOWEST ANNUAL MEAN					1301	1988
HIGHEST DAILY MEAN	29500	Jan 28	24800	May 4	42300	Feb 20 1990
LOWEST DAILY MEAN	753	Oct 24	613	Sep 22	390	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	818	Oct 20	657	Sep 17	428	Oct 3 1986
INSTANTANEOUS PEAK FLOW			25700	May 4	a42600	Feb 20 1990
INSTANTANEOUS PEAK STAGE			29.56	May 4	b36.47	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.07	†2.07	1.92	†1.92	1.79	
ANNUAL RUNOFF (INCHES)	28.12	†28.16	26.02	†26.03	24.30	
10 PERCENT EXCEEDS	9070		7520		8710	
50 PERCENT EXCEEDS	2910		3190		2180	
90 PERCENT EXCEEDS	992		1020		717	

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 mi^2, approximately.
PERIOD OF RECORD.--August 1974 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. 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, Oostanaula 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
16...	0630	81341	495	137	136	7.4	7.5	16.0	10.0	8.0	83
NOV											
13...	0630	81341	1750	137	136	7.4	7.5	9.0	7.0	8.7	76
DEC											
11...	0630	81341	4080	117	116	7.5	7.2	10.0	13.0	8.4	76
JAN											
10...	0830	81341	5530	116	116	7.4	7.3	7.0	1.0	10.4	88
FEB											
04...	0900	81341	3990	113	111	7.4	7.2	11.0	16.0	10.1	94
MAR											
04...	0815	81341	19800	74	72	7.2	6.9	14.0	7.0	9.8	97
APR											
01...	0715	81341	5920	102	97	7.4	7.4	14.0	7.0	9.5	93
MAY											
06...	0730	81341	21400	68	66	7.0	6.7	17.0	15.0	9.1	96
JUN											
03...	0700	81341	6640	98	96	7.3	7.3	18.0	17.0	8.8	96
JUL											
08...	0715	81341	1250	135	133	7.5	7.7	23.0	21.0	7.3	87
AUG											
05...	0700	81341	1280	118	113	7.4	7.3	24.0	19.0	7.1	87
SEP											
02...	0700	81341	899	133	123	7.5	7.6	24.0	22.0	7.7	93

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
16...	81341	9.0	<1.0	45	18	.370	.060	.230	2.0
NOV									
13...	81341	15	1.2	47	18	.360	.040	.220	5.0
DEC									
11...	81341	15	1.1	39	23	.360	<.030	.130	2.0
JAN									
10...	81341	25	1.6	43	41	.350	.040	.170	4.0
FEB									
04...	81341	15	1.0	40	23	.510	<.030	.100	2.0
MAR									
04...	81341	39	1.2	26	47	.220	<.030	.140	6.0
APR									
01...	81341	30	1.3	38	50	.340	.040	.150	4.0
MAY									
06...	81341	36	1.2	24	37	.200	.040	.150	6.0
JUN									
03...	81341	38	1.1	38	32	.390	.040	.160	6.0
JUL									
08...	81341	10	<1.0	54	19	.520	<.030	.020	2.0
AUG									
05...	81341	14	<1.0	41	24	.350	<.030	.130	3.0
SEP									
02...	81341	11	1.1	40	21	.270	<.030	.190	2.0

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
16...	0630	81341	495	170
NOV				
13...	0630	81341	1750	1700
DEC				
11...	0630	81341	4080	220
JAN				
10...	0830	81341	5530	1100
FEB				
04...	0900	81341	3990	130
MAR				
04...	0815	81341	19800	2300
APR				
01...	0715	81341	5920	490
MAY				
06...	0730	81341	21400	700
JUN				
03...	0700	81341	6640	940
JUL				
08...	0715	81341	1250	2300
15...	0800	81213	1540	130
21...	0700	81213	1100	50
AUG				
05...	0700	81341	1280	220
SEP				
02...	0700	81341	899	230

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP									
16...	1055	81213	739	182	7.6	23.0	28.0	7.4	88

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP								
16...	81213	18	4.0	<1.0	<2.0	<0.5	<1.0	1.4

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP							
16...	81213	<1.0	<2.0	<0.1	1.0	<2.0	9.1

MOBILE RIVER BASIN

02388530 OOSTANAULA 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 mi^2, 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, 25.97 ft, May 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.98	3.50	8.75	6.64	10.81	22.92	8.74	12.25	9.26	7.09	7.86	3.57
2	5.25	5.18	13.25	6.29	8.98	23.00	7.87	11.56	11.18	7.41	6.60	4.20
3	4.97	4.52	12.01	6.08	8.35	21.09	7.19	18.90	11.28	7.02	4.70	4.22
4	4.77	4.80	10.28	6.62	9.89	22.36	7.38	25.62	9.35	5.91	4.78	4.34
5	4.63	5.71	7.94	6.34	9.56	22.75	6.90	23.96	8.29	5.62	5.04	4.32
6	4.20	5.23	7.24	7.58	9.68	22.44	8.94	21.87	8.08	4.68	5.06	3.62
7	4.06	5.63	7.90	8.52	9.21	22.10	13.34	20.47	7.65	4.56	4.97	3.36
8	4.60	8.25	8.75	9.13	9.27	20.99	12.73	17.05	5.87	5.07	4.83	2.91
9	4.69	9.18	8.16	10.67	8.39	17.57	10.92	12.65	5.85	5.65	5.10	3.79
10	5.21	8.65	8.36	12.58	8.05	14.00	10.19	11.00	6.34	5.58	4.49	3.58
11	4.82	7.31	8.26	11.33	7.94	13.56	9.76	10.96	6.55	5.37	4.53	4.41
12	5.01	6.36	8.77	8.93	8.18	11.55	8.96	10.40	7.16	5.84	5.09	4.49
13	4.12	6.18	10.08	7.96	8.68	11.03	8.34	9.01	7.21	4.75	5.07	4.20
14	3.97	5.48	10.63	7.99	11.20	11.38	7.70	8.27	7.67	4.67	5.28	3.12
15	5.11	5.38	9.76	8.58	11.12	10.84	7.62	8.25	8.52	5.16	4.97	2.98
16	4.99	5.51	8.64	10.47	9.94	10.78	7.22	9.06	7.94	5.47	4.80	3.51
17	4.95	4.93	8.27	11.33	8.86	10.05	7.00	7.25	8.74	5.73	4.42	3.48
18	5.05	4.07	8.14	10.48	8.26	9.17	6.73	5.77	13.50	6.02	4.24	3.96
19	3.43	6.03	8.02	7.77	8.24	10.40	7.10	5.55	13.64	5.29	4.57	3.25
20	3.26	6.96	8.31	7.40	7.76	13.06	6.15	6.51	12.26	3.80	5.03	3.56
21	3.23	6.69	8.18	7.26	8.87	12.94	6.12	6.61	8.20	3.68	4.50	2.73
22	3.49	5.82	6.47	7.42	9.92	11.47	6.49	6.01	6.48	4.11	4.74	2.69
23	3.31	5.59	6.40	7.66	9.58	8.23	7.62	6.80	6.59	4.73	4.59	3.29
24	3.38	4.53	7.36	8.67	9.14	7.54	9.44	5.91	7.23	6.30	3.75	3.43
25	3.34	4.70	7.59	14.85	8.64	7.75	9.25	5.59	7.05	6.05	3.65	7.98
26	3.43	7.62	7.50	16.00	8.01	7.88	8.09	5.65	6.95	6.71	4.48	10.30
27	3.35	8.77	7.41	14.37	8.23	8.48	7.61	6.26	7.26	5.41	4.14	6.69
28	3.40	8.14	7.03	16.18	15.44	8.44	9.46	6.13	8.48	5.43	4.44	5.25
29	3.68	7.22	6.24	16.80	---	8.81	13.00	6.28	8.87	6.16	4.23	4.56
30	3.57	6.88	7.49	13.62	---	9.85	12.38	6.83	6.81	5.88	4.11	4.75
31	3.53	---	7.48	12.26	---	9.70	---	7.18	---	6.10	3.88	---
MEAN	4.22	6.16	8.41	9.93	9.29	13.62	8.67	10.50	8.34	5.52	4.77	4.22
MAX	5.98	9.18	13.25	16.80	15.44	23.00	13.34	25.62	13.64	7.41	7.86	10.30
MIN	3.23	3.50	6.24	6.08	7.76	7.54	6.12	5.55	5.85	3.68	3.65	2.69

WTR YR 1997 MEAN 7.80 MAX 25.62 MIN 2.69

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 mi^2.
PERIOD OF RECORD.--November 1970 to January 1994, January 1996 to December 1996 (discontinued). 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
24...	0930	110	23	23	6.7	6.6	10.5	11.0	9.6	89
NOV										
12...	1310	145	21	23	6.8	6.9	6.0	12.5	11.6	95
DEC										
18...	1245	280	21	23	6.8	6.6	7.0	9.5	11.0	94

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
24...	4.0	<1.0	330	7	0.050	<0.030	<0.020	1.0
NOV								
12...	5.0	<1.0	65	8	0.110	<0.030	<0.020	1.0
DEC								
18...	8.0	1.1	130	9	0.160	<0.030	<0.020	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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0630	48	102	101	7.6	7.2	15.0	13.0	7.9	82
NOV										
05...	0630	45	90	90	7.6	7.2	10.0	10.0	8.8	80
DEC										
03...	0630	88	73	75	7.4	7.5	7.0	-2.0	9.8	83

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
08...	3.0	<1.0	80	44	3	0.230	<0.030	<0.020	1.0
NOV									
05...	5.0	<1.0	330	36	11	0.120	<0.030	<0.020	2.0
DEC									
03...	30	1.0	750	27	61	0.190	<0.030	0.070	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 mi^2.

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 to poor.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 2	0300	8,440	13.15	Mar. 1	0600	*11,300	*16.11

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	580	e380	3780	684	1190	9470	1340	1420	2000	1150	1540	390
2	e520	e580	6240	650	1110	4490	1290	1300	1810	1210	960	383
3	e500	e500	2180	634	1070	3100	1240	4110	1420	964	e760	391
4	e480	e470	1430	618	1070	2460	1210	4200	1200	851	e680	391
5	e460	e440	1140	739	1060	2110	1210	2300	1110	785	618	384
6	e440	e420	985	872	1080	2090	1390	1790	1030	750	578	351
7	e430	e430	893	759	976	1850	1960	1530	1030	714	552	338
8	e420	1210	866	767	1090	1680	1510	1390	1080	712	591	330
9	e410	1440	e730	2890	1190	1550	1330	1320	992	698	628	334
10	e400	826	e670	3030	1060	1470	1260	1270	960	685	811	415
11	e390	627	e640	1650	1030	1430	1210	1200	936	652	845	568
12	e390	548	e750	1270	966	1370	1460	1180	984	632	697	570
13	e380	510	1340	1080	1170	1340	1980	1170	1430	622	633	431
14	e380	486	1100	969	2030	3720	1540	1130	1500	600	663	e380
15	e370	470	878	884	2240	3240	1380	1110	1820	583	671	e360
16	e360	454	e780	1340	1910	2180	1310	1070	1310	631	607	352
17	e350	441	e800	1350	1480	1810	1240	1030	1260	632	564	342
18	e450	455	889	1060	1310	1650	1200	1010	1490	584	532	334
19	e400	678	e760	957	1210	1570	1190	1000	1270	571	512	333
20	e390	667	700	896	1140	1600	1270	1130	1090	561	489	326
21	e380	555	651	842	1160	1490	1220	1060	989	527	613	310
22	e380	553	635	836	1730	1420	1190	975	944	537	541	312
23	e370	536	619	976	1400	1380	1310	919	912	2710	483	319
24	e370	497	633	1020	1220	1340	1250	902	848	3120	462	323
25	e360	496	693	3070	1150	1310	1160	958	816	1240	445	1420
26	e360	694	645	2620	1130	1410	1120	1040	861	897	439	1560
27	e360	758	639	1610	1290	1450	1190	1030	1150	e760	431	e840
28	e550	607	682	1670	6770	1320	2270	976	1310	e740	420	e800
29	e480	549	705	1960	---	1500	2160	977	1090	850	412	1120
30	e410	545	743	1480	---	1690	1660	1230	943	e700	404	835
31	e390	---	707	1310	---	1450	---	1330	---	1290	394	---
TOTAL	12910	17822	34903	40493	41232	65940	42050	43057	35585	27958	18975	15542
MEAN	416	594	1126	1306	1473	2127	1402	1389	1186	902	612	518
MAX	580	1440	6240	3070	6770	9470	2270	4200	2000	3120	1540	1560
MIN	350	380	619	618	966	1310	1120	902	816	527	394	310
CFSM	.68	.97	1.84	2.13	2.40	3.47	2.29	2.27	1.94	1.47	1.00	.85
IN.	.78	1.08	2.12	2.46	2.50	4.00	2.55	2.61	2.16	1.70	1.15	.94

e Estimated

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	706	815	1127	1549	1824	2111	1869	1374	1097	949	835	643
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1897 - 1997	
ANNUAL TOTAL	528656		396467			
ANNUAL MEAN	1444		1086		1239	
HIGHEST ANNUAL MEAN					1979	1901
LOWEST ANNUAL MEAN					510	1986
HIGHEST DAILY MEAN	17300	Mar 7	9470	Mar 1	22700	Jan 7 1946
LOWEST DAILY MEAN	350	Oct 17	310	Sep 21	122	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	369	Oct 21	322	Sep 18	145	Jul 18 1986
INSTANTANEOUS PEAK FLOW			11300	Mar 1	32300	Jan 7 1946
INSTANTANEOUS PEAK STAGE			16.11	Mar 1	26.70	Jan 7 1946
INSTANTANEOUS LOW FLOW			a305	Sep 21	b120	Jul 23 1986
ANNUAL RUNOFF (CFSM)	2.36		1.77		2.02	
ANNUAL RUNOFF (INCHES)	32.08		24.06		27.45	
10 PERCENT EXCEEDS	2470		1750		2170	
50 PERCENT EXCEEDS	1000		944		930	
90 PERCENT EXCEEDS	440		391		420	

a Gage height, 1.69 ft
b Gage height, 0.94 ft

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	7.17	2.62	3.57	14.21	3.88	4.04	4.99	3.51	4.24	1.92
2	---	---	10.59	2.55	3.41	8.57	3.77	3.80	4.72	3.62	3.14	1.90
3	---	---	5.29	2.51	3.34	6.69	3.67	7.85	4.04	3.15	---	1.92
4	---	---	4.05	2.48	3.34	5.73	3.62	8.14	3.60	2.94	---	1.92
5	---	---	3.47	2.72	3.32	5.19	3.60	5.48	3.41	2.81	2.48	1.90
6	---	---	3.18	2.97	3.36	5.15	3.97	4.69	3.27	2.74	2.39	1.81
7	---	---	3.01	---	---	4.78	4.96	4.27	3.26	2.68	2.33	1.78
8	---	---	2.96	---	3.37	4.51	4.21	3.97	3.35	2.67	2.42	1.76
9	---	4.05	---	6.27	3.58	4.30	3.87	3.84	3.20	2.65	---	1.77
10	---	2.89	---	6.57	3.32	4.15	3.71	3.73	3.14	2.62	---	1.98
11	---	2.50	---	4.46	3.27	4.06	3.62	3.60	3.09	2.55	2.92	2.36
12	---	2.32	---	3.74	3.15	3.94	4.09	3.56	3.18	2.51	---	2.36
13	---	2.22	3.88	3.37	3.55	3.87	4.99	3.53	4.07	2.49	---	---
14	---	2.16	3.40	3.16	5.07	7.50	4.26	3.45	4.20	2.44	---	---
15	---	2.12	2.99	3.00	5.39	6.89	3.96	3.41	4.74	2.40	2.59	---
16	---	2.08	---	3.88	4.88	5.29	3.81	3.35	3.81	2.50	2.46	1.82
17	---	2.05	---	3.90	4.17	4.72	3.68	3.27	3.72	2.51	2.36	1.79
18	---	2.08	3.01	3.32	3.82	4.47	3.59	3.23	4.18	2.41	2.28	1.77
19	---	2.59	---	3.13	---	4.34	3.56	3.21	3.74	2.37	2.23	1.77
20	---	2.58	2.65	3.02	3.47	4.38	3.74	3.45	3.38	2.35	2.17	1.75
21	---	2.33	2.55	2.92	3.51	4.19	3.63	3.32	3.19	2.27	2.46	1.70
22	---	2.33	2.52	2.91	4.59	4.05	3.58	3.17	3.11	2.29	2.30	1.71
23	---	2.29	2.48	3.17	4.00	3.96	3.82	3.06	3.05	5.91	2.15	1.73
24	---	2.19	2.51	3.26	3.63	3.87	3.70	3.03	2.93	6.62	2.10	1.74
25	---	2.19	2.64	6.62	3.49	3.82	3.52	3.14	2.87	3.68	2.06	3.97
26	---	2.63	2.54	5.97	3.45	4.03	3.43	3.29	2.95	3.02	2.04	4.26
27	---	2.76	2.53	4.39	3.76	---	3.57	3.27	3.49	---	2.02	---
28	---	2.46	2.61	4.48	11.13	3.84	5.44	3.17	3.83	---	1.99	---
29	---	2.32	2.66	4.95	---	4.20	5.27	3.17	3.38	---	1.97	3.45
30	---	2.31	2.73	4.16	---	4.53	4.48	3.66	3.11	---	1.95	---
31	---	---	2.66	3.81	---	4.10	---	3.86	---	3.74	1.93	---
MEAN	---	---	---	---	---	---	3.97	3.87	3.57	---	---	---
MAX	---	---	---	---	---	---	5.44	8.14	4.99	---	---	---
MIN	---	---	---	---	---	---	3.43	3.03	2.87	---	---	---

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to December 1996 (discontinued).
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0700	481	42	42	7.2	6.9	15.0	14.0	8.4	87
NOV										
05...	0700	565	42	42	7.3	6.8	10.5	10.0	8.9	81
DEC										
03...	0700	2380	34	35	7.2	6.7	8.0	-2.0	9.9	86

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
OCT				
08...	6.0	<1.0	90	16
NOV				
05...	4.0	<1.0	50	15
DEC				
03...	76	1.5	1300	9

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT							
08...	0.170	<0.030	0.20	0.20	0.37	<0.020	2.0
NOV							
05...	0.100	<0.030	0.10	0.10	0.20	<0.020	2.0
DEC							
03...	0.420	0.030	0.57	0.60	1.0	0.160	3.0

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0800	63	91	90	7.4	7.1	15.0	14.0	7.9	82
NOV										
05...	0800	84	90	89	7.4	7.1	11.0	10.0	8.8	82
DEC										
03...	0800	305	70	70	7.1	6.9	6.0	-2.0	10.1	83

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
08...	10	<1.0	140	33	12	0.280	0.040	0.030	2.0
NOV									
05...	8.0	1.0	490	35	16	0.250	0.090	0.060	2.0
DEC									
03...	52	1.6	1700	22	80	0.310	0.060	0.110	4.0

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
08...	0730	20	211	207	7.4	7.3	16.0	14.0	7.6	81
NOV										
05...	0730	27	200	194	7.3	7.2	12.5	10.0	7.2	69
DEC										
03...	0730	80	125	123	7.2	7.2	7.5	-2.0	9.1	78

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
08...	5.0	<1.0	330	43	5	3.45	0.080	0.180	3.0
NOV									
05...	6.0	<1.0	110	44	16	2.66	0.050	0.170	3.0
DEC									
03...	22	1.2	1100	31	19	1.36	0.070	0.060	3.0

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 mi^2.

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.--59 years, 1,909 ft^3/s, 23.14 in/yr, adjusted for storage since 1950.

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	1230	2260	1650	647	1390	275	1180	3020	1870	2880	930	1150
2	1230	909	2660	648	1480	262	874	3830	3380	2880	355	1220
3	1210	953	2270	1320	3250	3180	1940	3890	3220	1710	957	1400
4	1210	2330	1910	332	2550	7600	1020	3770	3390	1620	1600	1370
5	878	2580	1910	332	2410	7590	278	1790	3390	391	1750	409
6	863	2390	1920	1970	2440	7670	288	3740	3100	389	1600	275
7	1590	2220	4550	3020	2960	7700	1100	3790	377	1290	1370	276
8	1780	2930	2010	2320	297	6700	1010	3640	649	2090	1610	1340
9	2040	1920	3580	1630	291	4300	1030	3680	1790	1610	348	877
10	1190	1290	2600	3280	941	6080	1620	3940	1650	1290	354	1550
11	1510	2160	3620	1960	2240	3520	1180	3610	1800	2010	1590	1710
12	252	2530	3640	1300	1260	3510	285	3000	2110	380	1710	1470
13	254	1940	2600	2590	2040	3530	290	1880	1720	378	1870	273
14	2240	1950	2400	4130	1260	2540	1470	2030	370	1310	1550	278
15	2150	2830	2890	3950	282	3340	1460	3090	364	1770	1390	934
16	2150	1300	3140	2620	285	3630	1460	2200	1430	1930	897	920
17	2270	737	2280	4150	1250	3190	1160	391	3110	2570	735	1620
18	258	1960	2260	773	1540	4190	1950	391	5000	1940	1350	719
19	261	2320	3160	1630	1240	3790	324	1890	7470	373	2000	1140
20	261	2680	3950	1930	2830	4020	327	1900	4680	366	1050	272
21	562	2220	988	2290	2850	3690	899	957	390	951	1400	272
22	419	1830	1030	2620	277	288	820	2340	386	1230	1350	863
23	571	336	3630	1620	270	298	877	973	2170	1240	291	858
24	583	323	2710	1280	2490	1490	731	391	2230	2490	285	563
25	571	2270	3020	696	2490	861	1050	394	2230	4070	1590	603
26	273	2620	2700	304	2500	1250	1310	1270	2240	2350	1040	1310
27	276	2110	2700	1290	2520	1490	720	1250	2250	2500	1510	757
28	598	1960	335	1300	1550	1310	859	1580	514	3750	1180	276
29	586	2290	325	1290	---	268	1140	2200	391	2420	1010	1180
30	623	810	1110	3590	---	267	1580	2180	1920	1920	633	1030
31	630	---	651	2930	---	1030	---	1410	---	834	273	---
TOTAL	30519	56958	74199	59742	47183	98859	30232	70417	65591	52932	35578	26915
MEAN	984	1899	2394	1927	1685	3189	1008	2272	2186	1707	1148	897
MAX	2270	2930	4550	4150	3250	7700	1950	3940	7470	4070	2000	1710
MIN	252	323	325	304	270	262	278	391	364	366	273	272
MEAN†	491	980	1786	2535	2990	3410	2121	2212	2035	1548	797	1070
CFSM†	.44	.88	1.59	2.26	2.67	3.04	1.89	1.98	1.82	1.38	.71	.96
IN.†	.51	.98	1.84	2.61	2.78	3.51	2.11	2.28	2.03	1.59	.82	1.07

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1531	1897	2184	2212	2089	2517	2616	2328	1625	1476	1397	1251
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1950 - 1997	
ANNUAL TOTAL	777523		649125			
ANNUAL MEAN	2124	†2125	1778	†1824	1926	†1937
HIGHEST ANNUAL MEAN					3233	1990
LOWEST ANNUAL MEAN					808	1988
HIGHEST DAILY MEAN	9540	Feb 7	7700	Mar 7	13600	Apr 10 1964
LOWEST DAILY MEAN	252	Oct 12	252	Oct 12	132	Mar 14 1993
ANNUAL SEVEN-DAY MINIMUM	416	Oct 18	416	Oct 18	235	Mar 20 1955
INSTANTANEOUS PEAK FLOW			8700	Feb 7	22600	Mar 22 1964
INSTANTANEOUS PEAK STAGE			7.28	Feb 7	15.00	Mar 22 1964
ANNUAL RUNOFF (CFSM)	1.90	†1.90	1.59	†1.63	1.72	†1.73
ANNUAL RUNOFF (INCHES)	25.85	†25.86	21.58	†22.12	23.39	†24.48
10 PERCENT EXCEEDS	4560		3550		4540	
50 PERCENT EXCEEDS	1610		1550		1440	
90 PERCENT EXCEEDS	311		325		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	1946
LOWEST ANNUAL MEAN	1072	1941
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 ft^3/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 December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0930	273	56	54	7.1	7.0	20.0	14.0	7.1	80
NOV										
06...	0915	6820	59	59	7.0	6.9	17.0	16.0	6.9	73
DEC										
04...	0845	8090	60	59	7.3	7.2	10.0	6.5	7.1	64

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	2.0	<1.0	20	20	1	0.060	0.110	<0.020	2.0
NOV									
06...	5.0	1.1	50	19	4	0.160	0.100	<0.020	2.0
DEC									
04...	6.0	<1.0	<20	22	7	0.220	0.040	<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 mi^2.
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0915	57	109	108	7.5	7.5	16.0	14.0	7.9	82
NOV										
06...	0850	52	98	96	7.5	7.3	13.0	16.0	8.1	78
DEC										
04...	0820	380	67	68	7.3	7.2	7.0	3.0	8.7	73

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	8.0	<1.0	210	43	6	0.150	<0.030	<0.020	3.0
NOV									
06...	10	<1.0	170	38	6	0.070	<0.030	0.020	2.0
DEC									
04...	39	1.0	230	25	39	0.140	<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 mi^2.

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.
REVISED RECORDS.--WDR GA-96-1: 1995
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, 14.95 ft Feb. 28; minimum, 4.61 ft Sept. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.41	6.92	7.49	5.36	7.20	12.15	6.23	8.90	8.84	8.21	5.87	6.01
2	6.20	6.52	9.53	5.51	6.92	7.82	6.57	10.25	8.92	8.29	4.83	6.08
3	6.18	5.85	8.01	6.24	8.75	8.90	7.01	13.13	9.02	6.91	5.71	6.25
4	5.82	7.61	7.77	5.32	9.61	14.28	6.38	11.56	9.20	6.71	6.50	6.23
5	5.76	8.31	7.39	5.58	8.23	14.16	5.27	8.14	8.83	4.88	6.66	4.93
6	5.71	7.44	7.49	7.57	8.72	14.24	5.41	10.06	8.73	4.84	6.54	4.64
7	6.73	7.84	10.20	8.88	---	14.17	6.53	10.28	5.09	6.07	6.25	4.63
8	6.84	9.12	6.95	8.00	---	13.31	6.51	10.08	5.36	7.03	6.48	6.18
9	7.17	7.50	9.23	10.52	5.76	10.70	6.11	10.06	7.07	6.58	4.84	5.68
10	5.89	6.38	8.35	10.26	6.40	12.49	7.27	---	6.71	6.40	4.82	6.50
11	6.48	7.55	8.94	8.45	7.66	9.66	6.64	9.10	7.02	6.90	6.50	7.05
12	5.38	7.98	8.97	6.67	5.82	9.19	5.12	9.25	7.42	4.96	6.69	6.69
13	4.72	7.46	9.74	---	7.47	9.92	5.14	7.15	6.82	4.78	6.82	4.68
14	6.89	7.06	7.88	9.51	7.41	6.06	6.81	7.30	5.91	6.11	6.62	4.64
15	7.39	8.09	8.67	10.49	6.60	6.42	6.79	8.38	5.79	6.73	6.33	5.64
16	7.29	6.40	8.86	9.14	4.91	9.92	6.89	7.79	6.59	6.90	5.65	5.68
17	7.34	5.88	8.14	---	5.99	9.97	6.46	5.04	8.76	7.50	5.61	6.47
18	5.28	6.51	7.92	---	6.34	10.43	7.42	5.03	10.82	7.11	6.26	5.31
19	4.76	7.71	8.57	7.00	6.07	8.92	5.45	7.03	13.81	4.80	6.94	6.16
20	4.74	8.29	9.33	7.35	---	10.36	5.12	6.68	11.68	4.73	6.07	4.65
21	5.21	7.97	6.81	7.72	---	9.57	6.00	6.28	5.08	5.67	6.42	4.61
22	5.08	6.73	6.17	8.37	---	6.35	5.99	7.04	5.00	6.08	6.27	5.61
23	5.01	5.59	8.74	7.38	4.56	5.22	6.27	6.38	7.38	7.63	4.78	5.61
24	5.52	4.83	7.87	6.99	7.36	6.66	5.90	4.94	7.40	8.63	4.70	5.21
25	5.25	7.00	9.12	8.34	7.45	6.35	6.02	4.94	7.46	9.01	6.15	9.67
26	4.76	8.24	7.84	6.32	7.98	6.52	6.58	6.21	7.42	8.46	6.20	8.79
27	4.80	7.57	8.44	6.94	7.66	7.15	5.97	6.41	7.49	7.67	6.42	6.25
28	5.36	7.27	5.38	7.49	11.75	6.76	7.34	6.60	5.31	9.01	6.08	5.38
29	5.26	7.68	4.93	7.31	---	5.59	7.49	7.43	4.93	7.90	5.84	6.64
30	5.29	6.32	6.03	9.05	---	5.09	7.48	7.23	6.94	7.20	5.36	6.16
31	5.04	---	5.55	9.19	---	5.79	---	7.06	---	5.84	4.67	---
MEAN	5.79	7.19	7.95	---	---	9.17	6.34	---	7.56	6.76	5.96	5.93
MAX	7.39	9.12	10.20	---	---	14.28	7.49	---	13.81	9.01	6.94	9.67
MIN	4.72	4.83	4.93	---	---	5.09	5.12	---	4.93	4.73	4.67	4.61

CAL YR 1996 MEAN 7.58 MAX 15.85 MIN 4.70

MOBILE RIVER BASIN

02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
09...	0845	530	79	79	7.4	7.1	19.0	14.0	8.0	89
NOV										
06...	0830	565	81	81	7.5	7.1	16.0	16.0	7.9	82
DEC										
04...	0800	1550	75	76	7.7	7.4	9.0	3.0	9.1	80

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
09...	4.0	<1.0	170	29	2	0.130	0.060	<0.020	2.0
NOV									
06...	4.0	<1.0	110	29	1	0.200	0.030	<0.020	2.0
DEC									
04...	17	<1.0	170	30	15	0.220	<0.030	<0.020	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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT 16...	0500	88	260	253	7.8	7.9	19.0	10.0	7.9	87
NOV 13...	0500	148	228	223	7.6	7.9	11.0	7.0	8.3	76
DEC 11...	0500	1800	230	227	7.8	7.6	12.0	14.0	8.1	77

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 16...	6.0	<1.0	130	121	7	0.500	<0.030	0.050	<1.0
NOV 13...	6.0	<1.0	490	102	11	0.420	<0.030	0.060	2.0
DEC 11...	7.0	<1.0	230	103	14	0.540	<0.030	0.040	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 mi^2.
PERIOD OF RECORD.--August 1974 to current year.
REVISED RECORDS.--WDR GA-80-1: Drainage area.
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. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
16...	0530	81341	1000	71	70	7.8	7.3	18.0	9.0	8.1	87
NOV											
13...	0530	81341	1050	72	72	7.4	7.3	13.5	6.0	8.3	80
DEC											
11...	0530	81341	1320	78	77	7.6	7.0	11.0	14.0	8.6	80
JAN											
10...	0920	81341	3700	73	73	7.4	7.0	7.0	3.0	10.5	89
FEB											
04...	0945	81341	3100	97	95	7.4	7.2	11.5	16.0	10.1	95
MAR											
04...	0915	81341	9800	63	62	7.3	7.1	10.5	9.0	10.2	93
APR											
01...	0800	81341	1290	89	88	7.4	7.6	13.0	9.0	9.7	94
MAY											
06...	0815	81341	5050	78	75	7.2	7.3	16.0	17.0	9.5	98
JUN											
03...	0800	81341	1650	84	82	7.3	7.1	17.0	18.0	8.9	95
JUL											
08...	0800	81341	810	91	88	7.2	7.3	21.0	23.0	8.3	95
AUG											
05...	0745	81341	670	101	97	7.2	7.1	21.0	21.0	7.9	91
SEP											
02...	0800	81341	630	93	87	7.2	7.2	23.0	22.0	7.6	90

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
16...	81341	7.0	<1.0	--	27	11	.170	.090	.030	2.0
NOV										
13...	81341	7.0	<1.0	20	23	13	.220	<.030	.040	2.0
DEC										
11...	81341	7.0	<1.0	32	26	9	.320	.030	.030	2.0
JAN										
10...	81341	72	1.8	34	25	116	.310	.050	.200	5.0
FEB										
04...	81341	39	1.3	36	34	64	.380	<.030	.100	2.0
MAR										
04...	81341	19	<1.0	--	22	44	.460	.030	.070	2.0
APR										
01...	81341	18	<1.0	--	33	8	.470	<.030	.040	2.0
MAY										
06...	81341	16	<1.0	26	30	35	.400	.040	.040	2.0
JUN										
03...	81341	9.0	<1.0	34	32	13	.370	<.030	.040	2.0
JUL										
08...	81341	3.0	<1.0	36	34	3	.430	<.030	<.020	2.0
AUG										
05...	81341	3.0	<1.0	40	32	5	.340	.050	.050	2.0
SEP										
02...	81341	2.0	<1.0	26	36	3	.200	.110	.040	2.0

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
16...	0530	81341	1000	80
NOV				
13...	0530	81341	1050	20
DEC				
11...	0530	81341	1320	20
JAN				
10...	0920	81341	3700	4900
FEB				
04...	0945	81341	3100	700
MAR				
04...	0915	81341	9800	80
APR				
01...	0800	81341	1290	140
MAY				
06...	0815	81341	5050	180
JUN				
03...	0800	81341	1650	700
JUL				
08...	0800	81341	810	330
15...	0735	81213	880	130
21...	0800	81213	640	220
AUG				
05...	0745	81341	670	1100
SEP				
02...	0800	81341	630	490

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP									
16...	0945	81213	465	111	7.4	22.5	25.0	6.6	78

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP								
16...	81213	11	3.0	<1.0	<2.0	<0.5	<1.0	1.2

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP							
16...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	4.8

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 mi^2.
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 System equipment).
REMARKS.--Records good to fair.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 25	0715	691	5.05	May 3	1145	*1,220	*6.06
Mar. 1	0515	723	5.15				

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	14	75	19	62	488	40	58	45	38	33	12
2	16	29	43	19	55	178	37	46	32	29	25	19
3	15	18	33	24	55	143	35	636	31	26	21	24
4	13	21	24	18	56	110	33	162	25	25	21	20
5	13	15	25	26	56	93	33	103	24	24	18	20
6	13	15	22	25	55	99	199	80	23	23	18	19
7	13	15	25	24	44	76	136	64	30	23	19	17
8	12	48	19	31	59	67	83	55	25	21	18	19
9	12	27	21	121	49	59	63	50	25	19	23	19
10	11	20	18	71	53	58	51	45	23	21	21	22
11	11	20	18	50	46	52	45	41	31	21	20	22
12	13	17	62	40	44	47	55	41	31	17	19	18
13	10	16	67	40	98	48	46	37	32	17	19	17
14	12	15	41	32	111	161	40	36	95	16	16	13
15	10	15	30	34	117	90	35	34	61	16	20	14
16	11	13	30	113	86	68	34	32	50	24	16	12
17	11	14	33	59	74	63	34	32	162	21	16	11
18	15	18	32	48	61	57	31	29	126	17	17	10
19	12	20	25	44	54	60	31	31	71	17	14	9.5
20	12	17	26	42	53	57	35	29	51	16	17	9.3
21	12	16	21	35	61	48	32	28	43	18	16	17
22	9.9	17	20	37	61	45	35	26	43	20	13	12
23	12	13	25	42	46	40	33	24	40	41	15	12
24	11	14	21	58	47	40	30	25	32	25	14	14
25	11	18	20	384	40	38	28	24	31	19	12	138
26	9.8	24	24	124	41	46	27	27	33	19	14	39
27	18	18	22	88	78	42	48	23	36	16	14	30
28	15	16	23	180	436	44	111	23	31	19	14	37
29	12	14	20	122	---	60	125	26	28	17	14	32
30	12	19	23	86	---	53	78	33	33	23	12	25
31	11	---	20	75	---	47	---	33	---	65	13	---
TOTAL	385.7	556	908	2111	2098	2577	1643	1933	1343	713	542	682.8
MEAN	12.4	18.5	29.3	68.1	74.9	83.1	54.8	62.4	44.8	23.0	17.5	22.8
MAX	18	48	75	384	436	488	199	636	162	65	33	138
MIN	9.8	13	18	18	40	38	27	23	23	16	12	9.3
CFSM	.38	.56	.88	2.06	2.26	2.51	1.65	1.88	1.35	.69	.53	.69
IN.	.43	.62	1.02	2.37	2.36	2.90	1.85	2.17	1.51	.80	.61	.77

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	21.6	30.0	44.4	65.7	88.6	91.0	61.4	39.0	25.5	20.8	22.6	19.5
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1980 - 1997	
ANNUAL TOTAL	20368.7		15492.5			
ANNUAL MEAN	55.7		42.4		44.0	
HIGHEST ANNUAL MEAN					86.2	1990
LOWEST ANNUAL MEAN					12.9	1986
HIGHEST DAILY MEAN	1840	Jan 27	636	May 3	1840	Jan 27 1996
LOWEST DAILY MEAN	9.8	Oct 26	9.3	Sep 20	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	11	Oct 20	11	Oct 20	5.2	Oct 7 1988
INSTANTANEOUS PEAK FLOW			1220	May 3	3960	Jan 27 1996
INSTANTANEOUS PEAK STAGE			6.06	May 3	8.42	Jan 27 1996
ANNUAL RUNOFF (CFSM)	1.68		1.28		1.33	
ANNUAL RUNOFF (INCHES)	22.89		17.41		18.04	
10 PERCENT EXCEEDS	92		77		84	
50 PERCENT EXCEEDS	25		27		23	
90 PERCENT EXCEEDS	14		13		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 mi^2.
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. 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.--75 years (water years 1905-20, 1939-97), 2,953 ft^3/s, 22.26 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 ft^3/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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2120	972	1820	1310	4460	13800	2020	4190	3910	3300	1700	728
2	1760	2770	5600	1320	2770	6920	2530	5250	3370	4030	1590	1570
3	1740	1640	3540	1350	2810	3480	1970	11200	4570	3600	958	1620
4	1710	1970	3410	1940	5150	8870	2330	12000	4580	2590	1510	1770
5	1690	3260	2700	1210	3790	9080	1950	e5000	3970	2410	2080	1740
6	1390	2430	2540	2310	4740	9170	1660	e4900	4360	1170	2210	854
7	1360	3540	3550	2610	3990	8920	2340	e5100	3230	1120	2070	698
8	2080	3370	3580	4670	3400	7910	2590	e5000	1240	1990	1850	682
9	2250	3360	3840	6500	2220	6460	2030	e5000	1470	2730	2090	1790
10	2450	2130	3830	7110	2310	6710	2680	4200	2510	2270	963	1230
11	1650	2290	3460	5310	2610	6860	2750	4560	2430	1940	925	2080
12	1960	2870	3870	2720	2700	4600	1700	5200	2730	2610	2080	2120
13	765	3090	4960	3130	3320	4880	1480	3150	2920	1020	2180	1820
14	754	2420	3740	4140	4800	6380	1870	2720	3090	1000	2420	700
15	2630	2630	3650	5170	3170	4900	2340	2910	2580	1870	2090	675
16	2560	2350	3820	5210	2660	5920	2300	4980	1750	2300	1910	1290
17	2560	2140	3580	5540	2840	5340	2250	1820	3550	2470	1450	1290
18	2690	1050	3290	4280	2490	4760	2280	1210	7670	3060	1260	1910
19	713	2730	3230	2580	3160	5160	2400	1230	9560	2520	1820	1110
20	699	3140	4220	2570	2740	5560	1290	2600	8730	968	2440	1470
21	672	3010	3800	2920	4080	4640	1350	2620	2610	924	1590	659
22	977	2080	1800	3450	3790	4220	1830	1700	1690	1490	1920	644
23	823	2290	2350	3170	2060	1500	2020	2980	1820	2660	1820	1230
24	1160	883	3170	2770	2630	1790	2020	1680	3090	4160	802	1240
25	761	1320	3870	4530	3710	2400	1700	1140	3120	3730	768	5560
26	976	3070	3180	3800	3700	2060	1930	1160	3080	4470	1980	7500
27	709	2830	3590	2740	3320	2400	2260	2010	3190	3020	1480	3010
28	727	2540	2590	3240	8920	2490	3260	1970	3210	3600	1920	2050
29	1030	2750	1070	3770	---	2420	6050	2320	2000	3920	1630	1640
30	943	2600	1160	3450	---	1450	e3500	2930	2130	2900	1480	2130
31	963	---	1620	5080	---	1340	---	3240	---	2650	1090	---
TOTAL	45272	73525	100430	109900	98340	162390	68680	115970	104160	78492	52076	52810
MEAN	1460	2451	3240	3545	3512	5238	2289	3741	3472	2532	1680	1760
MAX	2690	3540	5600	7110	8920	13800	6050	12000	9560	4470	2440	7500
MIN	672	883	1070	1210	2060	1340	1290	1140	1240	924	768	644

e Estimated

MOBILE RIVER BASIN

02395980 ETOWAH RIVER AT STATE HIGHWAY 1 LOOP, NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2028	2440	2983	3565	3738	4609	4277	3352	2322	2072	1916	1737
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1950 - 1997	
ANNUAL TOTAL	1228664		1062045			
ANNUAL MEAN	3357	†3358	2910	†2956	2916	
HIGHEST ANNUAL MEAN					5064	1990
LOWEST ANNUAL MEAN					1224	1988
HIGHEST DAILY MEAN	21200	Jan 27	13800	Mar 1	31900	Apr 14 1979
LOWEST DAILY MEAN	672	Oct 21	644	Sep 22	400	Dec 7 1954
ANNUAL SEVEN-DAY MINIMUM	829	Oct 19	829	Oct 19	473	Dec 23 1954
INSTANTANEOUS PEAK FLOW			a16300	May 3	b36000	Mar 4 1979
INSTANTANEOUS PEAK STAGE			c29.41	May 4	c36.13	Mar 5 1979
ANNUAL RUNOFF (CFSM)	1.86	†1.86	1.62	†1.64	1.62	
ANNUAL RUNOFF (INCHES)	25.38	†25.39	21.94	†22.29	22.00	
10 PERCENT EXCEEDS	7720		5030		6100	
50 PERCENT EXCEEDS	2450		2540		2160	
90 PERCENT EXCEEDS	957		1100		847	

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	d55000	Dec 11 1919
INSTANTANEOUS PEAK STAGE	f	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, 28.97 ft
b Gage height, 35.81 ft, at site and datum then in use.
c Backwater from Coosa River.
d Computed from data at upstream stations.
f 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 mi^2.
PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to December 1996 (discontinued).
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
16...	0600	5620	85	85	7.4	7.5	18.0	10.0	8.1	87
NOV										
13...	0600	3520	98	99	7.5	7.5	12.0	7.0	8.2	76
DEC										
11...	0600	2150	96	89	7.5	7.2	11.0	14.0	8.3	77

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
16...	13	<1.0	--	--	35	42	0.240	<0.030	0.050	2.0
NOV										
13...	8.0	1.0	330	--	30	15	0.290	<0.030	0.050	2.0
DEC										
11...	9.0	<1.0	50	--	34	10	0.380	<0.030	0.050	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 mi^2, 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. 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.--66 years (water years 1897-1903, 1929-31, 1938-58, 1963-97), 6,738 ft^3/s, 22.65 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 ft^3/s, from rating curve extended above 63,000 ft^3/s on basis of peak flow at Gadsden, Ala.

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	4900	1890	8690	5610	11800	30400	8370	14800	9470	6550	6980	1910
2	4030	4000	14800	5170	9380	30900	7040	14200	13300	7110	5680	2720
3	3640	3050	13400	4950	8380	28200	6260	23900	13400	6570	3310	2780
4	3430	3350	11000	5760	10500	29900	6540	34400	10400	5070	3540	2950
5	3240	4680	7940	5160	10200	30500	5930	32400	8570	4700	3910	2930
6	2750	4160	6790	7100	10200	30100	8620	29300	8010	3390	3920	2000
7	2550	4610	7750	8710	9720	29600	15700	27300	7460	3260	3790	1750
8	3320	8420	9020	9560	9810	28000	15200	22000	4910	4050	3600	1380
9	3480	9710	8100	11500	8580	22800	12700	15400	4980	4770	3930	2340
10	4070	8870	8640	14200	7950	16800	11100	13400	5630	4650	2940	2060
11	3500	6770	8380	12400	7860	16200	10500	13100	5830	4370	2990	3050
12	3810	5510	9170	9280	8330	13700	9060	12100	6590	4950	3930	3180
13	2600	5320	10700	8000	8760	12600	7840	9780	6720	3410	3920	2810
14	2430	4410	11200	8130	12100	12900	6840	8020	7320	3310	4160	1560
15	4050	4260	10300	9050	12100	12100	6900	7940	8470	4100	3770	1420
16	3910	4510	9060	11200	10500	11900	6450	9360	7450	4490	3550	1970
17	3850	3660	8530	12200	9230	10700	6210	6850	8960	4770	3000	1960
18	3970	2530	8240	11400	8400	9120	5890	4870	16000	5130	2770	2570
19	1930	4970	8040	7590	8430	11200	6380	4730	16200	4260	3270	1720
20	1750	6380	8580	7080	7590	15100	5190	5970	14900	2310	3870	2060
21	1720	5990	8450	6900	9370	15300	5160	5970	8890	2150	3120	1240
22	1970	4800	5520	7220	10600	13600	5660	5170	5650	2690	3470	1180
23	1800	4470	5480	7560	9970	7560	6790	6150	5870	3520	3270	1750
24	1840	2960	7100	8630	9490	6530	9640	5010	6790	5650	2150	1860
25	1880	3140	7380	17100	9080	6910	9340	4610	6520	5210	2030	8230
26	1890	7260	7300	19100	8190	7000	7600	4760	6340	6070	3170	11800
27	1780	9080	7150	16600	8490	7790	6950	5530	6670	4400	2690	5930
28	1800	8150	6570	19100	18400	7840	10200	5350	8200	4380	3110	4180
29	2080	6710	5030	20600	---	8250	15300	5530	9410	5350	2800	3200
30	1970	6220	6770	16000	---	9860	15000	6190	6090	4930	2620	3560
31	1920	---	6990	14100	---	9780	---	6580	---	5160	2290	---
TOTAL	87860	159840	262070	326960	273410	503140	260360	370670	255000	140730	107550	88050
MEAN	2834	5328	8454	10550	9765	16230	8679	11960	8500	4540	3469	2935
MAX	4900	9710	14800	20600	18400	30900	15700	34400	16200	7110	6980	11800
MIN	1720	1890	5030	4950	7590	6530	5160	4610	4910	2150	2030	1180

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3575	4847	6767	9500	10570	12530	10620	7452	4743	4066	3437	3164
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1950 - 1997	
ANNUAL TOTAL	2954320		2835640			
ANNUAL MEAN	8072	†8080	7769	†7823	6765	
HIGHEST ANNUAL MEAN					11880	1990
LOWEST ANNUAL MEAN					2509	1988
HIGHEST DAILY MEAN	43000	Jan 28	34400	May 4	64200	Mar 18 1990
LOWEST DAILY MEAN	1720	Oct 21	1180	Sep 22	907	Oct 14 1988
ANNUAL SEVEN-DAY MINIMUM	1840	Oct 20	1770	Sep 18	1020	Oct 2 1986
INSTANTANEOUS PEAK FLOW			35400	May 4	65500	Mar 18 1990
INSTANTANEOUS PEAK STAGE			28.15	May 4	35.97	Mar 18 1990
ANNUAL RUNOFF (CFSM)	2.00	†2.00	1.92	†1.94	1.67	
ANNUAL RUNOFF (INCHES)	27.20	†27.21	26.11	†26.30	22.75	
10 PERCENT EXCEEDS	18100		14400		14700	
50 PERCENT EXCEEDS	5350		6570		4450	
90 PERCENT EXCEEDS	2350		2490		1970	

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	1946
LOWEST ANNUAL MEAN	3236	1941
HIGHEST DAILY MEAN	64600	Jan 22 1947
LOWEST DAILY MEAN	870	Oct 18-22 1931
ANNUAL SEVEN-DAY MINIMUM	879	Oct 17 1931
INSTANTANEOUS PEAK FLOW	71000	Jan 22 1947
INSTANTANEOUS PEAK STAGE	37.00	Jan 22 1947
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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.83	11.37	13.98	13.05	15.12	25.29	14.11	16.47	14.44	13.46	13.63	11.39
2	12.46	12.37	16.51	12.89	14.16	25.98	13.68	16.13	15.72	13.64	13.12	11.83
3	12.29	12.01	15.81	12.79	13.86	24.45	13.37	21.58	15.89	13.44	12.14	11.86
4	12.19	12.13	14.78	13.06	14.62	24.95	13.49	27.68	14.72	12.86	12.22	11.92
5	12.10	12.68	13.72	12.88	14.48	25.66	13.23	27.15	14.10	12.71	12.37	11.92
6	11.88	12.47	13.39	13.48	14.49	25.45	14.14	25.19	13.94	12.18	12.38	11.45
7	11.77	12.65	13.68	13.94	14.28	25.14	17.09	23.87	13.75	12.12	12.32	11.28
8	12.11	13.87	14.10	14.26	14.33	24.30	16.75	21.20	12.78	12.44	12.24	10.99
9	12.17	14.28	13.77	15.02	13.88	21.66	15.46	17.31	12.81	12.74	12.38	11.60
10	12.41	13.99	13.91	16.18	13.72	18.19	14.89	15.79	13.09	12.68	11.98	11.47
11	12.20	13.39	13.84	15.40	13.69	17.68	14.71	15.74	13.18	12.57	12.00	11.96
12	12.33	12.99	14.09	14.18	13.82	15.95	14.31	15.30	13.48	12.81	12.38	12.04
13	11.80	12.93	14.67	13.73	14.00	15.42	13.95	14.51	13.52	12.19	12.38	11.86
14	11.71	12.57	14.90	13.77	15.23	15.56	13.61	13.99	13.74	12.14	12.48	11.13
15	12.39	12.51	14.52	14.05	15.24	15.30	13.64	13.95	14.14	12.46	12.31	11.03
16	12.35	12.62	14.05	14.88	14.62	15.16	13.46	14.38	13.83	12.62	12.21	11.40
17	12.32	12.25	13.88	15.27	14.10	14.79	13.36	13.54	14.28	12.74	11.98	11.40
18	12.36	11.76	13.79	14.96	13.85	14.33	13.21	12.76	17.46	12.89	11.88	11.70
19	11.40	12.78	13.74	13.62	13.85	14.95	13.42	12.70	17.74	12.52	12.08	11.25
20	11.28	13.27	13.89	13.47	13.62	16.67	12.90	13.23	16.79	11.64	12.35	11.46
21	11.26	13.15	13.87	13.43	14.15	16.87	12.89	13.23	14.25	11.54	12.03	10.86
22	11.42	12.73	12.99	13.51	14.64	15.91	13.11	12.89	13.11	11.83	12.18	10.82
23	11.32	12.60	12.95	13.61	14.39	13.86	13.57	13.29	13.20	12.19	12.09	11.26
24	11.33	11.99	13.48	13.98	14.19	13.49	14.48	12.82	13.54	13.11	11.54	11.34
25	11.35	12.05	13.56	17.77	14.06	13.64	14.40	12.64	13.44	12.92	11.47	13.90
26	11.37	13.52	13.53	19.13	13.78	13.68	13.86	12.71	13.37	13.26	12.02	15.23
27	11.30	14.05	13.49	17.58	13.87	13.94	13.64	13.05	13.49	12.58	11.82	13.22
28	11.31	13.78	13.32	18.98	18.60	13.95	14.64	12.97	14.02	12.57	12.00	12.48
29	11.49	13.37	12.82	20.03	---	14.07	17.04	13.05	14.40	12.98	11.87	12.10
30	11.43	13.23	13.39	17.31	---	14.54	16.68	13.31	13.30	12.81	11.78	12.22
31	11.39	---	13.45	16.13	---	14.52	---	13.48	---	12.90	11.62	---
MEAN	11.85	12.85	13.93	14.91	14.38	17.91	14.24	16.00	14.18	12.63	12.17	11.81
MAX	12.83	14.28	16.51	20.03	18.60	25.98	17.09	27.68	17.74	13.64	13.63	15.23
MIN	11.26	11.37	12.82	12.79	13.62	13.49	12.89	12.64	12.78	11.54	11.47	10.82

CAL YR 1996	MEAN 14.42	MAX 31.43	MIN 11.26
WTR YR 1997	MEAN 13.91	MAX 27.68	MIN 10.82

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 22, Aug. 18, 19; minimum, 4.5°C, Jan. 18, 19, 20.
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
16...	0700	4620	110	109	7.5	7.5	17.5	11.5	8.2	87
NOV										
13...	0700	5030	105	106	7.4	7.2	11.5	6.0	8.6	79
DEC										
11...	0700	7230	107	108	7.4	7.2	11.0	14.0	8.5	79

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
16...	8.0	<1.0	170	37	0.250	<0.030	0.130	2.0
NOV								
13...	12	1.3	490	35	0.310	<0.030	0.120	3.0
DEC								
11...	11	<1.0	130	36	0.380	<0.030	0.100	2.0

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, 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	20.0	19.5	19.0	17.5	11.5	10.0	13.0	13.0	8.5	7.5	14.5	13.0
2	20.5	19.5	17.5	16.5	11.5	11.0	13.5	13.0	9.0	8.5	15.5	14.5
3	22.0	20.5	16.5	14.5	11.0	10.5	13.5	13.5	9.5	9.0	15.5	15.0
4	22.0	21.0	14.5	13.5	11.0	10.0	14.0	13.5	10.0	9.0	15.5	14.0
5	21.5	20.0	14.5	13.5	10.0	9.5	14.0	13.5	11.0	9.5	14.0	13.5
6	20.0	19.0	16.0	14.5	10.0	9.0	13.5	13.0	10.5	9.0	13.5	13.0
7	19.0	18.5	17.0	15.5	11.0	9.5	13.0	11.5	10.0	9.0	13.0	12.5
8	19.5	18.5	18.0	16.5	11.0	10.0	11.5	9.0	10.0	9.5	12.5	12.0
9	20.0	19.0	16.5	15.0	10.0	9.5	9.0	7.5	9.5	9.0	12.5	12.0
10	19.5	18.5	15.0	13.5	10.0	9.0	7.5	7.0	9.5	9.0	13.0	12.5
11	19.0	18.0	13.5	12.0	11.0	9.5	7.0	6.5	9.0	8.0	13.5	12.5
12	18.5	17.5	12.0	11.5	12.0	11.0	6.5	5.5	8.0	7.0	14.0	13.0
13	18.0	17.5	13.0	11.5	12.0	11.5	5.5	5.0	7.5	7.0	14.0	13.0
14	17.5	17.5	13.5	12.5	11.5	11.0	6.0	5.0	7.0	7.0	14.0	13.0
15	19.0	17.0	13.5	12.0	11.0	10.5	7.0	5.5	8.0	7.0	14.5	13.0
16	19.5	18.0	13.0	11.5	10.5	9.5	7.5	6.5	8.0	7.5	13.5	12.0
17	20.0	18.5	12.5	11.0	10.0	9.5	6.5	5.5	9.0	8.0	12.5	12.0
18	20.0	19.0	12.0	11.5	9.5	9.0	5.5	4.5	9.0	8.5	14.0	12.5
19	19.0	17.0	13.0	12.0	9.0	7.5	5.0	4.5	10.0	9.0	14.0	13.0
20	17.0	16.0	13.5	12.5	7.5	6.5	6.0	4.5	11.0	10.0	14.0	13.5
21	16.0	15.5	13.5	13.0	7.0	6.0	7.0	5.5	12.0	10.5	14.5	13.5
22	16.0	15.5	13.5	12.5	7.0	6.0	7.5	6.5	12.0	11.0	14.5	14.0
23	16.5	16.0	12.5	11.5	9.0	7.0	9.0	7.5	12.0	11.5	15.0	14.0
24	16.0	16.0	11.5	11.0	9.5	8.5	10.0	8.5	12.0	11.5	15.0	14.5
25	16.5	16.0	12.0	11.5	9.0	8.0	10.5	10.0	11.5	10.0	15.0	14.5
26	16.5	16.0	12.5	11.5	8.0	7.5	10.0	9.5	11.0	10.0	15.5	14.5
27	17.0	16.5	11.5	10.5	8.5	7.5	9.5	9.0	12.0	10.5	15.5	15.0
28	18.0	17.0	10.5	10.0	9.0	8.5	9.0	8.5	13.0	12.0	15.5	14.5
29	19.0	18.0	10.5	9.5	10.0	9.0	9.0	8.5	---	---	15.5	14.5
30	19.5	19.0	10.0	9.5	11.5	10.0	8.5	8.5	---	---	16.0	15.0
31	19.5	19.0	---	---	13.0	11.5	8.5	7.5	---	---	16.0	15.5
MONTH	22.0	15.5	19.0	9.5	13.0	6.0	14.0	4.5	13.0	7.0	16.0	12.0

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.5	15.0	17.0	16.0	19.0	18.0	24.5	24.0	24.5	23.5	26.0	25.5
2	15.5	14.5	17.0	16.5	19.0	18.5	24.5	23.0	24.5	23.0	26.0	25.5
3	15.0	14.0	17.0	17.0	19.5	18.5	25.0	23.5	25.0	24.0	26.0	25.5
4	15.0	14.5	17.5	17.0	19.5	19.0	26.5	24.0	26.0	25.0	25.5	24.0
5	16.0	15.0	17.5	17.0	19.5	18.5	26.0	24.0	26.0	25.5	24.5	23.0
6	17.5	16.0	17.5	17.0	19.5	18.5	26.0	24.5	26.0	24.0	24.0	23.0
7	17.5	17.0	17.5	17.0	19.5	18.5	25.0	24.5	25.5	23.5	23.5	23.0
8	17.0	16.5	17.5	17.0	19.0	18.5	25.0	23.5	25.0	23.0	24.0	23.0
9	16.5	15.0	18.0	17.5	19.0	18.5	25.0	23.5	23.5	22.5	24.0	23.5
10	15.0	14.5	17.5	17.0	19.0	18.5	25.5	24.0	22.5	22.0	24.5	23.5
11	15.0	14.5	17.5	16.5	19.5	19.0	25.5	23.5	23.0	22.5	24.0	23.0
12	15.0	14.5	17.5	17.0	20.0	19.0	25.0	23.5	24.5	23.0	23.5	23.0
13	16.0	15.0	18.0	17.0	21.5	20.0	24.5	24.0	24.5	24.0	24.0	23.0
14	15.5	15.0	18.0	17.5	22.0	21.0	25.5	24.5	24.5	23.0	24.0	23.5
15	15.5	15.0	18.5	17.5	22.0	21.0	26.0	25.5	25.5	23.5	24.0	23.5
16	15.5	15.0	18.0	17.5	22.5	22.0	26.0	24.5	26.5	25.0	24.0	23.5
17	15.5	15.0	18.0	17.0	22.0	21.5	26.0	24.0	27.0	26.0	24.5	23.5
18	15.5	14.5	19.5	17.5	22.0	20.5	25.5	23.5	27.5	26.5	24.5	24.0
19	15.0	14.5	20.0	19.0	21.0	20.0	25.0	23.5	27.5	26.0	25.0	24.5
20	16.0	15.0	20.5	20.0	21.0	20.5	26.0	25.0	27.0	25.5	25.0	24.0
21	16.5	15.5	20.0	19.0	22.5	21.0	27.0	26.0	26.0	24.5	25.5	25.0
22	17.0	16.5	19.5	18.0	23.0	22.0	27.5	26.5	25.5	24.0	25.0	24.0
23	17.0	16.5	19.5	19.0	24.0	22.5	27.0	25.5	25.0	23.0	24.0	22.5
24	16.5	16.0	19.5	18.5	24.0	23.5	26.0	23.5	24.0	23.5	23.0	22.5
25	16.5	15.5	20.0	19.0	24.0	22.5	26.0	25.0	24.0	23.5	22.5	18.5
26	15.5	15.0	20.5	19.0	23.5	22.5	26.0	23.0	24.0	23.5	19.5	18.0
27	15.0	14.0	21.0	20.0	23.5	22.0	25.5	23.5	24.5	24.0	20.5	19.5
28	14.5	14.0	20.5	19.0	23.5	22.0	26.0	24.0	25.0	24.0	20.5	20.5
29	15.0	14.5	19.0	17.5	23.5	22.5	25.5	22.5	25.0	24.5	21.0	20.0
30	16.0	15.0	18.0	17.0	24.0	23.0	26.0	24.0	25.5	25.0	21.0	20.0
31	---	---	18.0	17.5	---	---	26.0	23.5	26.0	25.0	---	---
MONTH	17.5	14.0	21.0	16.0	24.0	18.0	27.5	22.5	27.5	22.0	26.0	18.0
YEAR	27.5	4.5										

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 1996 (discontinued).
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 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
15...	0830	81341	2230	162	161	7.5	7.6	16.0	10.0	8.2	85
NOV											
12...	0830	81341	5660	148	147	7.3	7.3	11.0	0.0	8.5	78
DEC											
10...	0800	81341	9130	116	116	7.3	7.2	10.0	1.0	8.7	78

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, EC BROTH (MPN) (31615)	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
15...	81341	11	<1.0	170	49	17	0.320	0.040	0.270	2.0
NOV										
12...	81341	26	1.3	940	47	40	0.320	<0.030	0.180	6.0
DEC										
10...	81341	13	1.0	110	32	28	0.370	0.040	0.100	2.0

MOBILE RIVER BASIN

02397100 COOSA RIVER AT STATE HIGHWAY 100, NEAR COOSA, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP									
16...	1220	81213	1860	183	7.6	27.0	32.0	7.2	92

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP								
16...	81213	17	4.0	<1.0	<2.0	<0.5	<1.0	2.8

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP							
16...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	17

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 mi^2.
PERIOD OF RECORD.--May 1981 to September 1997 (discontinued).
GAGE.--Water-stage recorder. Datum of gage is 758.88 ft above sea level.
REMARKS.--Records fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 4, 1979, reached a stage of 21.1 ft from floodmarks, discharge, 16,500 ft^3/s from rating curve extended above 4,500 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 3	1230	*3,490	*14.32	Sept. 25	1515	1,600	10.15

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	38	22	585	72	136	797	48	155	134	85	71	26
2	33	41	223	82	120	353	46	118	82	69	43	26
3	27	29	139	72	415	293	45	1790	113	58	38	27
4	23	25	108	67	374	215	44	418	78	51	35	28
5	22	23	95	143	229	183	44	224	65	44	31	25
6	21	23	89	111	173	210	465	171	55	41	30	28
7	20	34	86	225	150	160	244	141	82	39	29	29
8	19	233	77	316	289	141	141	123	77	39	30	30
9	17	85	68	940	201	127	111	111	63	37	35	34
10	15	59	60	357	173	119	94	102	54	35	37	43
11	16	47	57	227	150	112	84	95	51	34	32	40
12	17	42	130	173	130	103	112	90	49	32	32	36
13	14	38	260	142	262	104	94	85	44	32	33	27
14	19	36	139	122	271	167	78	81	132	31	37	21
15	18	34	108	117	261	121	72	78	117	29	35	17
16	15	32	94	365	193	104	65	73	74	29	30	14
17	18	31	110	191	162	97	60	68	249	29	27	12
18	16	34	95	148	140	94	54	65	256	39	27	13
19	17	41	85	130	127	98	51	60	172	44	27	12
20	14	36	73	116	120	100	51	60	145	31	29	11
21	14	45	67	105	204	88	47	57	134	29	30	12
22	12	59	64	110	233	81	73	53	124	31	28	12
23	16	46	61	149	158	71	73	49	115	226	26	18
24	19	41	72	146	131	66	57	48	97	126	25	65
25	16	59	74	530	120	62	47	52	84	80	26	822
26	18	89	66	245	121	79	43	51	80	50	26	192
27	23	63	82	181	161	69	234	48	78	41	26	96
28	20	52	87	318	846	67	649	49	79	37	28	89
29	19	46	83	235	---	67	391	53	143	35	25	69
30	19	47	76	185	---	57	213	57	105	78	24	54
31	19	---	71	157	---	52	---	80	---	120	25	---
TOTAL	594	1492	3484	6477	6050	4457	3830	4705	3131	1681	977	1928
MEAN	19.2	49.7	112	209	216	144	128	152	104	54.2	31.5	64.3
MAX	38	233	585	940	846	797	649	1790	256	226	71	822
MIN	12	22	57	67	120	52	43	48	44	29	24	11
CFSM	.29	.74	1.68	3.12	3.23	2.15	1.91	2.27	1.56	.81	.47	.96
IN.	.33	.83	1.94	3.60	3.36	2.48	2.13	2.62	1.74	.93	.54	1.07

MOBILE RIVER BASIN

02397410 CEDAR CREEK AT CEDARTOWN, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	41.8	61.1	96.4	143	185	188	123	83.2	47.5	45.5	34.2	30.9
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1981 - 1997	
ANNUAL TOTAL	39230		38806			
ANNUAL MEAN	107		106		89.9	
HIGHEST ANNUAL MEAN					155	1990
LOWEST ANNUAL MEAN					29.9	1986
HIGHEST DAILY MEAN	3130	Jan 27	1790	May 3	4580	Mar 16 1990
LOWEST DAILY MEAN	12	Oct 22	11	Sep 20	10	a
ANNUAL SEVEN-DAY MINIMUM	15	Oct 16	12	Sep 16	11	Jun 12 1988
INSTANTANEOUS PEAK FLOW			3490	May 3	7910	Mar 16 1990
INSTANTANEOUS PEAK STAGE			14.32	May 3	18.36	Mar 16 1990
ANNUAL RUNOFF (CFSM)	1.60		1.59		1.34	
ANNUAL RUNOFF (INCHES)	21.81		21.58		18.27	
10 PERCENT EXCEEDS	161		224		173	
50 PERCENT EXCEEDS	59		67		40	
90 PERCENT EXCEEDS	22		22		17	

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 mi^2.
PERIOD OF RECORD.--February 1968 to February 1994, January 1996 to December 1996 (discontinued).
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
16...	0745	42	293	290	7.4	7.6	14.0	10.0	7.5	75
NOV										
13...	0735	82	267	261	7.6	7.7	10.0	7.0	7.8	69
DEC										
11...	0730	122	250	246	7.6	7.5	12.0	14.0	7.6	72

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
16...	1.0	1.2	490	137	0.900	0.040	0.130	2.0
NOV								
13...	3.0	<1.0	11000	122	0.610	0.060	0.090	2.0
DEC								
11...	4.0	<1.0	600	110	0.640	<0.030	0.110	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 mi^2, 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.--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. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. 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).
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 recorded, 244 microsiemens, Oct. 26; minimum recorded, 61 microsiemens, May 4.
pH: Maximum, 8.7 units, Sept. 14, 15, 16; minimum recorded, 7.0 units, Mar. 9, May 4, 5, 6.
WATER TEMPERATURE: Maximum, 31.5°C, Sept. 2; minimum recorded, 5.0°C, Jan. 18, 19, 20.
DISSOLVED OXYGEN: Maximum recorded, 11.8 mg/L, Dec. 21; minimum recorded, 5.1 mg/L June 30.

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
15...	0800	81341	160	160	7.7	7.6	17.0	10.0	8.1	85
NOV										
12...	0740	81341	136	134	7.3	7.2	14.0	0.0	7.3	77
DEC										
10...	0730	81341	126	129	7.6	7.2	9.5	0.0	9.2	79
JAN										
10...	0740	81341	109	108	7.6	7.3	7.0	0.0	10.0	85
FEB										
04...	0800	81341	128	125	7.8	7.2	12.0	16.0	8.5	81
MAR										
04...	0750	81341	86	85	7.3	7.0	15.5	7.0	7.4	97
APR										
01...	0630	81341	129	123	7.8	7.8	16.0	0.0	7.6	91
MAY										
06...	0650	81341	71	69	7.0	7.1	17.0	11.0	6.2	94
JUN										
03...	0630	81341	119	115	7.4	7.4	19.0	16.0	6.7	93
JUL										
08...	0645	81341	163	160	7.6	7.7	26.5	20.0	7.1	87
AUG										
05...	0630	81341	160	153	7.6	7.6	26.0	19.0	6.8	86
SEP										
02...	0630	81341	164	153	7.6	7.7	28.0	20.0	6.5	85

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

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

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT							
15...	81341	6.0	6	<1.0	--	53	9
NOV							
12...	81341	36	26	1.4	50	44	40
DEC							
10...	81341	11	6	<1.0	44	41	15
JAN							
10...	81341	46	20	2.0	36	39	62
FEB							
04...	81341	15	10	1.1	46	46	18
MAR							
04...	81341	46	22	1.2	--	31	67
APR							
01...	81341	24	12	1.1	--	47	29
MAY							
06...	81341	60	13	1.5	26	25	--
JUN							
03...	81341	72	19	1.3	50	44	131
JUL							
08...	81341	12	11	<1.0	60	60	29
AUG							
05...	81341	14	16	<1.0	60	57	28
SEP							
02...	81341	9.0	19	<1.0	52	49	18

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
15...	81341	.270	<.030	--	.40	.67	.180	2.0
NOV								
12...	81341	.300	.030	.27	.30	.60	.220	7.0
DEC								
10...	81341	.380	.030	.27	.30	.68	.110	2.0
JAN								
10...	81341	.380	.040	.46	.50	.88	.160	4.0
FEB								
04...	81341	.460	.050	.25	.30	.76	.090	2.0
MAR								
04...	81341	.270	.030	.57	.60	.87	.130	5.0
APR								
01...	81341	.360	<.030	--	.40	.76	.100	4.0
MAY								
06...	81341	.230	.040	.56	.60	.83	.170	6.0
JUN								
03...	81341	.380	.040	.66	.70	1.1	.190	5.0
JUL								
08...	81341	.510	<.030	--	.30	.81	.130	3.0
AUG								
05...	81341	.420	<.030	--	.30	.72	.120	3.0
SEP								
02...	81341	.300	.050	.65	.70	1.0	.230	4.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT			
15...	0800	81341	<20
NOV			
12...	0740	81341	700
DEC			
10...	0730	81341	230
JAN			
10...	0740	81341	7000
FEB			
04...	0800	81341	230
MAR			
04...	0750	81341	3100
APR			
01...	0630	81341	170
MAY			
06...	0650	81341	460
JUN			
03...	0630	81341	3300
JUL			
08...	0645	81341	3300
15...	0900	81213	<20
21...	0640	81213	20
AUG			
05...	0630	81341	480
SEP			
02...	0630	81341	35

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, 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	162	144	231	224	141	127	170	156	---	---	107	81
2	179	162	237	219	136	119	168	154	---	---	81	75
3	180	158	237	205	123	110	167	154	---	---	86	79
4	166	153	206	171	119	107	168	160	---	---	89	81
5	171	146	184	157	118	106	168	160	---	---	87	81
6	165	145	194	158	130	117	167	150	---	---	86	80
7	174	148	179	132	139	129	153	146	---	---	81	80
8	184	158	165	124	137	120	155	125	---	---	89	81
9	187	160	143	115	120	107	135	125	---	---	93	88
10	177	147	151	127	126	116	127	102	---	---	101	90
11	175	141	152	139	118	113	120	102	---	---	97	88
12	164	141	144	124	116	106	122	111	---	---	104	88
13	168	153	141	125	115	109	134	122	144	129	109	100
14	165	136	141	126	116	106	141	131	139	118	120	105
15	167	150	150	130	133	111	132	117	126	115	117	102
16	169	142	157	136	126	120	128	113	126	121	127	110
17	189	133	160	140	134	118	127	112	126	124	128	112
18	146	133	158	140	139	125	124	115	132	126	122	111
19	160	140	183	145	144	132	131	113	134	126	127	113
20	153	146	184	162	146	128	140	129	140	128	123	102
21	154	146	162	145	134	118	151	133	140	128	114	102
22	178	149	173	147	131	116	149	132	144	120	115	106
23	193	178	168	148	143	129	150	133	130	115	115	105
24	207	193	167	158	145	134	145	130	145	130	124	115
25	238	207	173	156	145	117	---	---	140	129	137	124
26	244	237	193	170	134	121	---	---	141	120	153	133
27	238	220	189	137	146	119	---	---	137	125	140	134
28	236	222	161	137	150	136	---	---	135	106	140	136
29	230	215	157	139	147	133	---	---	---	---	146	137
30	228	214	149	127	164	143	---	---	---	---	138	127
31	235	215	---	---	163	156	---	---	---	---	127	121
MONTH	244	133	237	115	164	106	170	102	145	106	153	75

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	129	126	117	108	140	121	148	115	169	129	174	153
2	142	126	108	101	129	119	150	135	169	137	171	159
3	142	130	109	83	130	112	140	119	165	140	175	162
4	141	128	83	61	114	101	131	123	148	141	177	161
5	---	---	69	63	118	109	139	124	161	148	184	172
6	---	---	79	69	117	108	146	136	162	153	172	148
7	---	---	82	78	121	107	147	142	168	147	176	150
8	---	---	89	82	122	110	156	142	154	141	165	151
9	---	---	97	89	129	114	164	152	154	138	169	159
10	114	103	98	97	141	129	182	164	154	140	180	169
11	114	102	100	97	160	141	167	147	159	140	186	169
12	114	100	105	90	160	135	154	143	160	150	196	158
13	113	104	112	94	150	131	147	136	168	159	183	148
14	125	112	111	100	145	125	143	139	193	165	176	161
15	140	125	125	111	141	127	150	136	169	145	175	151
16	147	140	129	108	143	127	145	139	160	146	168	153
17	144	133	126	99	157	142	171	145	151	144	202	168
18	136	133	116	100	149	105	154	135	153	144	207	195
19	136	132	126	116	105	94	142	129	160	149	216	204
20	136	130	147	126	99	95	153	131	171	150	222	183
21	135	130	173	147	101	95	152	136	173	154	195	183
22	138	132	173	135	124	101	150	141	163	145	197	183
23	160	138	154	136	138	124	167	148	158	145	201	185
24	158	137	151	136	148	136	196	167	163	141	209	192
25	144	131	153	130	152	141	189	135	162	146	215	126
26	131	115	143	130	148	128	141	114	160	150	126	80
27	127	116	150	142	148	128	136	117	168	158	95	80
28	140	126	152	142	144	126	149	111	178	156	119	95
29	129	112	165	147	138	120	152	129	186	164	162	118
30	113	103	147	138	128	112	135	117	173	148	172	155
31	---	---	147	124	---	---	134	115	174	156	---	---
MONTH	160	100	173	61	160	94	196	111	193	129	222	80
YEAR	244	61										

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, 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	7.5	7.4	7.4	7.3	7.8	7.6	7.7	7.7	—	—	7.4	7.2
2	7.5	7.4	7.3	7.1	7.6	7.4	7.7	7.6	—	—	7.2	7.1
3	7.4	7.3	7.4	7.1	7.5	7.4	7.7	7.7	—	—	7.2	7.1
4	7.6	7.4	7.4	7.4	7.4	7.4	7.8	7.7	—	—	7.2	7.2
5	7.6	7.5	7.5	7.2	7.5	7.4	7.8	7.7	—	—	7.2	7.2
6	7.5	7.5	7.7	7.5	7.6	7.5	7.7	7.6	—	—	7.2	7.2
7	7.6	7.5	7.6	7.5	7.7	7.6	7.6	7.6	—	—	7.2	7.1
8	7.6	7.5	7.6	7.4	7.7	7.6	7.6	7.6	—	—	7.2	7.2
9	7.6	7.5	7.4	7.2	7.6	7.5	7.6	7.5	—	—	7.2	7.0
10	7.7	7.6	7.3	7.2	7.7	7.6	7.5	7.4	—	—	7.3	7.1
11	7.7	7.6	7.3	7.3	7.7	7.7	7.5	7.4	—	—	7.4	7.3
12	7.8	7.7	7.3	7.3	7.7	7.6	7.6	7.5	—	—	7.4	7.3
13	7.8	7.7	7.4	7.3	7.6	7.6	7.6	7.6	7.7	7.7	7.4	7.3
14	8.0	7.7	7.7	7.4	7.6	7.5	7.7	7.6	7.7	7.6	7.5	7.4
15	7.9	7.8	7.6	7.6	7.6	7.5	7.7	7.6	7.6	7.6	7.4	7.3
16	7.8	7.8	7.6	7.5	7.6	7.6	7.7	7.5	7.7	7.6	7.3	7.3
17	7.8	7.7	7.7	7.6	7.6	7.6	7.5	7.4	7.7	7.6	7.3	7.3
18	7.7	7.6	7.7	7.7	7.6	7.6	7.6	7.5	7.7	7.6	7.5	7.3
19	7.7	7.6	7.7	7.7	7.6	7.5	7.6	7.6	7.7	7.6	7.5	7.4
20	7.7	7.5	7.7	7.6	7.9	7.6	7.7	7.6	7.7	7.7	7.5	7.4
21	7.7	7.5	7.7	7.6	7.8	7.7	7.7	7.6	7.7	7.6	7.4	7.3
22	7.6	7.5	7.6	7.5	7.8	7.7	7.7	7.7	7.7	7.5	7.5	7.4
23	7.8	7.5	7.5	7.5	7.8	7.7	7.7	7.7	7.5	7.4	7.5	7.4
24	7.9	7.5	7.7	7.5	7.8	7.8	7.7	7.6	7.5	7.4	7.4	7.3
25	7.7	7.6	7.7	7.7	7.8	7.6	—	—	7.6	7.4	7.6	7.4
26	7.7	7.7	7.7	7.6	7.7	7.6	—	—	7.6	7.5	7.6	7.6
27	7.7	7.6	7.6	7.5	7.8	7.7	—	—	7.6	7.6	7.6	7.5
28	7.7	7.6	7.6	7.5	7.8	7.8	—	—	7.6	7.4	7.7	7.6
29	8.0	7.6	7.6	7.5	7.8	7.8	—	—	—	—	7.8	7.7
30	7.6	7.5	7.7	7.6	7.8	7.8	—	—	—	—	7.8	7.7
31	7.5	7.4	—	—	7.8	7.7	—	—	—	—	7.8	7.7
MONTH	8.0	7.3	7.7	7.1	7.9	7.4	7.8	7.4	7.7	7.4	7.8	7.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.8	7.7	7.5	7.4	7.7	7.6	7.4	7.2	7.5	7.4	8.6	7.8
2	7.8	7.7	7.5	7.4	7.6	7.5	7.4	7.3	7.5	7.3	8.2	7.7
3	7.8	7.7	7.5	7.3	7.5	7.4	7.4	7.3	7.8	7.3	7.8	7.6
4	7.8	7.7	7.3	7.0	7.5	7.4	7.4	7.3	7.6	7.3	8.0	7.6
5	---	---	7.0	7.0	7.5	7.4	7.4	7.3	7.4	7.3	8.2	7.7
6	---	---	7.1	7.0	7.5	7.4	8.2	7.4	7.7	7.4	8.5	7.8
7	---	---	7.2	7.1	7.5	7.4	8.0	7.4	7.7	7.5	8.6	7.8
8	---	---	7.2	7.1	7.5	7.4	7.7	7.4	7.6	7.4	8.6	8.0
9	---	---	7.2	7.1	7.5	7.4	7.6	7.4	7.5	7.4	8.5	8.2
10	7.4	7.3	7.3	7.2	7.5	7.4	7.6	7.5	7.8	7.5	8.4	8.0
11	7.5	7.4	7.3	7.3	7.5	7.5	7.6	7.5	8.0	7.5	8.1	7.9
12	7.5	7.4	7.4	7.3	7.5	7.4	7.6	7.5	7.7	7.6	8.2	7.9
13	7.5	7.4	7.4	7.3	7.4	7.4	8.5	7.5	7.6	7.5	8.5	7.9
14	7.4	7.4	7.4	7.4	7.4	7.3	8.5	7.6	7.7	7.6	8.7	7.9
15	7.5	7.4	7.5	7.4	7.4	7.3	8.3	7.6	7.6	7.6	8.7	7.8
16	7.6	7.5	7.5	7.4	7.4	7.3	7.7	7.5	7.7	7.6	8.7	8.0
17	7.6	7.6	7.5	7.4	7.4	7.3	7.7	7.6	7.9	7.5	8.1	7.8
18	7.6	7.6	7.6	7.4	7.4	7.2	7.6	7.5	7.8	7.6	8.3	7.7
19	7.6	7.5	7.5	7.4	7.2	7.2	7.6	7.5	7.9	7.6	8.5	7.8
20	7.7	7.6	7.5	7.4	7.3	7.2	8.0	7.5	7.6	7.6	8.3	7.8
21	7.7	7.6	7.6	7.5	7.3	7.2	8.1	7.7	7.7	7.6	7.9	7.7
22	7.7	7.6	7.6	7.5	7.3	7.3	7.7	7.4	7.8	7.6	7.8	7.6
23	7.7	7.6	7.6	7.6	7.4	7.3	7.6	7.4	7.8	7.6	7.7	7.6
24	7.7	7.6	7.6	7.6	7.5	7.4	7.9	7.5	8.2	7.6	7.6	7.6
25	7.6	7.5	7.7	7.6	7.5	7.4	7.7	7.4	8.6	7.8	7.6	7.3
26	7.5	7.4	7.6	7.5	7.5	7.4	7.4	7.3	8.3	7.8	7.3	7.2
27	7.5	7.4	7.7	7.6	7.4	7.4	7.6	7.3	8.5	7.8	7.2	7.2
28	7.6	7.5	7.7	7.6	7.4	7.4	7.4	7.3	8.4	8.1	7.3	7.2
29	7.6	7.5	7.7	7.7	7.4	7.3	7.5	7.3	8.5	8.1	7.4	7.2
30	7.5	7.4	7.7	7.7	7.4	7.2	7.5	7.4	8.5	8.0	7.5	7.3
31	---	---	7.7	7.7	---	---	7.5	7.3	8.4	7.9	---	---
MONTH	7.8	7.3	7.7	7.0	7.7	7.2	8.5	7.2	8.6	7.3	8.7	7.2
YEAR	8.7	7.0										

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, 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	21.5	21.0	20.5	20.0	11.0	9.5	13.0	12.0	---	---	14.5	13.0
2	21.5	20.5	21.0	20.5	12.0	11.0	13.5	13.0	---	---	15.5	14.5
3	21.5	20.5	21.0	17.5	11.5	11.0	14.0	13.5	---	---	16.0	15.5
4	22.5	21.0	17.5	17.0	11.5	11.0	14.0	14.0	---	---	16.0	15.0
5	22.0	21.5	17.5	16.0	11.0	10.5	14.5	14.0	---	---	15.0	14.0
6	22.0	21.5	16.0	15.0	11.0	10.5	14.0	13.5	---	---	14.5	13.5
7	22.0	21.5	18.0	16.0	11.0	10.5	13.5	12.5	---	---	13.5	13.0
8	21.5	21.0	18.5	17.5	11.5	10.5	12.5	10.0	---	---	13.0	12.5
9	21.0	20.0	18.0	16.5	11.0	10.0	10.0	8.5	---	---	13.0	12.5
10	20.5	19.5	16.5	15.0	10.0	9.5	8.5	7.0	---	---	14.0	13.0
11	21.0	20.0	15.0	14.0	10.5	10.0	7.5	7.0	---	---	14.5	13.5
12	20.5	19.5	14.0	13.5	11.0	10.5	7.0	6.5	---	---	15.0	14.0
13	21.5	19.0	14.0	13.0	12.0	11.0	6.5	6.0	8.0	7.5	15.0	14.5
14	20.0	18.0	14.5	13.0	12.0	11.5	6.5	6.0	7.5	7.0	14.5	14.0
15	18.5	17.5	15.0	13.5	11.5	11.0	7.5	6.0	7.5	7.0	14.5	13.5
16	18.5	18.0	15.0	13.0	11.0	10.5	8.0	7.0	8.0	7.5	14.5	13.5
17	19.0	18.0	14.5	13.0	10.5	9.0	7.0	6.0	8.5	8.0	14.0	12.5
18	21.0	19.0	14.0	13.5	10.5	10.0	6.0	5.0	9.5	8.5	13.5	13.0
19	20.5	19.5	16.0	13.0	10.0	9.0	5.5	5.0	9.5	9.5	14.5	13.5
20	20.5	19.5	16.0	12.5	9.5	7.5	5.5	5.0	10.5	9.5	15.0	14.0
21	20.5	19.5	14.0	13.0	7.5	7.0	7.0	5.5	11.5	10.5	15.0	14.5
22	21.5	20.0	14.0	13.5	7.5	6.5	8.0	6.5	12.5	11.5	15.0	14.5
23	20.0	19.0	14.0	13.0	7.5	7.0	9.0	7.5	12.0	11.0	15.5	14.5
24	20.5	18.5	14.0	13.0	8.5	7.5	10.5	9.0	12.0	11.5	15.5	15.0
25	18.5	18.0	13.5	12.5	9.0	8.0	---	---	12.0	11.5	15.5	15.0
26	19.0	18.5	14.0	11.5	8.0	7.5	---	---	11.5	10.5	16.0	15.5
27	19.0	18.5	12.0	11.0	7.5	7.5	---	---	12.0	11.0	16.0	15.0
28	21.0	18.5	11.5	10.5	8.5	7.5	---	---	13.0	11.5	16.0	15.5
29	21.5	20.0	10.5	10.0	9.5	8.5	---	---	---	---	16.5	16.0
30	21.0	20.0	10.0	9.5	10.5	9.5	---	---	---	---	16.5	15.5
31	22.0	20.5	---	---	12.0	10.5	---	---	---	---	16.5	16.0
MONTH	22.5	17.5	21.0	9.5	12.0	6.5	14.5	5.0	13.0	7.0	16.5	12.5

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	17.5	16.0	19.0	18.0	25.5	24.5	26.5	25.5	31.0	28.5
2	17.0	16.5	18.0	17.0	19.0	18.5	27.0	25.0	26.5	25.0	31.5	28.5
3	16.5	16.0	18.0	17.5	19.5	19.0	26.5	25.5	29.0	25.0	30.0	28.5
4	17.0	16.0	17.5	17.0	20.5	19.5	27.5	25.5	29.0	26.0	30.0	28.5
5	---	---	17.5	17.0	20.5	19.5	27.5	26.5	29.0	26.5	30.5	27.5
6	---	---	18.0	17.0	20.0	19.5	29.5	27.5	30.5	28.0	29.5	26.5
7	---	---	18.0	17.5	20.0	19.0	28.5	27.0	29.0	27.5	29.0	27.0
8	---	---	18.0	17.5	20.0	19.5	29.5	26.5	28.5	26.5	28.5	26.5
9	---	---	18.5	18.0	20.0	19.5	28.5	27.5	27.0	25.5	27.5	26.0
10	17.0	16.0	18.5	18.0	20.5	19.5	28.0	27.0	27.5	25.0	27.5	25.5
11	16.5	15.5	18.0	17.5	20.5	19.5	28.0	27.0	28.0	24.5	27.0	26.5
12	16.0	15.5	18.0	17.5	21.0	20.0	28.0	27.0	26.5	24.0	28.5	26.0
13	16.5	15.5	18.0	17.5	22.0	21.0	30.5	27.5	25.5	24.0	28.5	25.5
14	16.5	15.5	18.5	17.5	23.0	21.5	31.0	27.5	26.0	24.5	28.0	25.0
15	17.0	16.0	19.0	18.0	23.5	22.5	29.0	28.0	27.0	25.5	28.0	26.0
16	17.5	16.0	19.0	18.0	23.5	22.5	30.0	28.0	28.0	26.0	28.5	26.0
17	17.0	16.5	19.0	18.0	23.5	23.0	29.5	28.5	30.0	27.5	28.5	26.5
18	17.0	16.0	22.0	18.0	23.0	22.0	29.0	27.5	30.5	28.0	29.5	27.5
19	17.0	16.0	21.0	19.0	22.5	21.5	29.0	27.5	31.0	29.0	30.0	27.5
20	17.5	16.0	21.5	19.0	22.5	21.5	31.0	27.5	31.0	29.5	29.5	28.0
21	18.0	16.5	22.0	20.5	22.0	21.5	30.0	28.0	30.5	28.5	29.5	28.0
22	18.5	17.0	22.0	21.0	24.0	22.0	29.5	28.5	29.5	27.5	29.0	27.5
23	19.0	17.5	21.5	21.0	25.0	23.5	31.0	29.0	29.5	27.0	28.0	27.0
24	18.5	17.5	21.0	20.5	26.0	24.0	30.5	29.5	29.5	26.5	29.0	28.0
25	18.0	17.0	21.5	20.5	27.0	25.0	29.5	27.5	30.0	26.5	28.0	20.0
26	17.5	16.0	21.5	20.5	26.5	25.0	29.0	27.0	28.0	27.0	20.0	19.0
27	16.0	16.0	22.0	21.0	26.0	25.0	28.5	27.0	30.5	26.5	20.0	19.0
28	16.0	15.0	22.0	21.0	25.5	24.5	27.5	26.0	28.0	26.5	21.0	20.0
29	15.5	15.0	21.0	20.0	24.5	23.5	28.5	27.0	29.5	26.5	23.0	20.5
30	16.0	15.0	20.0	18.5	25.5	23.5	28.0	26.5	30.0	27.0	23.0	21.5
31	---	---	18.5	18.0	---	---	27.0	25.0	31.0	27.5	---	---
MONTH	19.0	15.0	22.0	16.0	27.0	18.0	31.0	24.5	31.0	24.0	31.5	19.0
YEAR	31.5	5.0										

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN DISSOLVED (MG/L), 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	6.8	6.4	7.2	6.8	10.3	8.3	9.3	9.1	---	---	9.0	8.2
2	6.8	6.5	6.9	6.7	9.9	8.8	9.1	9.0	---	---	8.3	7.5
3	7.0	6.7	7.2	6.7	10.3	8.6	9.1	9.0	---	---	7.5	7.3
4	7.3	6.7	7.6	7.1	9.9	8.8	9.0	8.9	---	---	8.0	7.3
5	7.2	7.0	7.7	7.1	10.6	9.5	9.0	8.9	---	---	8.2	8.0
6	7.2	6.9	8.3	7.6	10.7	10.5	9.0	8.8	---	---	8.3	8.1
7	7.4	6.9	8.2	7.8	10.9	10.7	9.1	9.0	---	---	8.7	8.1
8	7.4	7.0	7.8	7.1	11.0	10.9	10.0	9.0	---	---	8.7	8.6
9	7.7	7.1	7.1	6.5	10.9	10.6	10.1	9.9	---	---	8.7	8.4
10	8.2	7.6	7.1	6.7	10.6	10.4	10.3	10.1	---	---	9.1	8.5
11	8.2	7.6	7.3	6.9	10.4	10.2	10.4	10.2	---	---	9.4	9.1
12	7.9	7.6	8.3	7.2	10.3	9.9	10.8	10.4	---	---	9.3	8.8
13	8.3	7.6	8.6	8.2	10.5	9.7	11.1	10.8	10.9	10.6	9.1	8.9
14	8.9	7.6	8.9	8.6	10.6	10.4	11.4	11.1	10.8	10.7	9.0	8.6
15	8.0	7.7	8.9	8.7	10.8	10.5	11.4	11.2	10.8	10.6	8.8	8.3
16	8.1	7.7	8.8	8.7	11.3	10.4	11.3	10.6	10.7	10.6	9.1	8.3
17	8.3	7.9	9.0	8.8	11.3	11.0	10.8	10.6	10.8	10.5	9.5	8.8
18	7.9	7.6	8.9	8.7	11.4	11.3	11.2	10.8	10.8	10.6	9.6	9.1
19	7.9	7.5	8.9	8.7	11.5	11.2	11.3	11.2	10.7	10.5	9.5	9.0
20	8.6	7.5	8.8	8.7	11.7	11.5	11.6	11.3	10.6	10.3	9.0	8.6
21	8.9	7.7	8.7	8.4	11.8	11.5	11.4	11.3	10.3	9.9	9.0	8.4
22	8.0	7.3	8.5	8.4	11.6	11.2	11.3	11.1	9.9	9.4	9.0	8.6
23	8.4	7.3	9.2	8.3	11.3	10.8	11.1	10.7	9.5	9.3	8.7	8.4
24	9.4	7.3	9.6	8.5	11.2	10.8	10.7	10.2	9.4	9.0	8.8	8.2
25	8.6	7.9	9.6	8.9	10.8	10.5	---	---	9.8	9.1	8.7	8.5
26	8.1	7.7	9.4	8.8	10.9	10.6	---	---	10.0	9.7	8.7	8.4
27	9.2	6.2	9.1	8.0	11.0	10.9	---	---	10.0	9.8	8.6	7.8
28	8.2	7.4	8.9	7.5	11.0	10.7	---	---	9.9	9.0	8.4	8.2
29	9.6	7.5	8.3	7.5	10.7	10.4	---	---	---	---	8.7	8.3
30	7.6	7.1	8.3	7.2	10.4	10.0	---	---	---	---	8.6	8.0
31	7.6	6.8	---	---	10.0	9.3	---	---	---	---	8.1	7.6
MONTH	9.6	6.2	9.6	6.5	11.8	8.3	11.6	8.8	10.9	9.0	9.6	7.3

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.2	7.6	8.0	7.9	7.7	7.5	6.5	5.3	---	---	7.3	6.0
2	8.1	7.7	8.0	7.8	7.5	7.2	6.4	5.9	---	---	6.9	6.0
3	8.6	7.6	8.0	7.3	7.2	6.6	6.9	6.1	---	---	7.2	6.7
4	8.4	7.8	7.3	6.8	7.0	6.7	7.3	6.6	---	---	7.2	6.5
5	---	---	6.8	6.3	7.2	6.8	7.5	6.5	---	---	7.6	6.3
6	---	---	6.5	6.2	7.7	7.1	10.1	6.6	8.1	6.4	8.2	6.5
7	---	---	6.9	6.4	7.9	7.3	9.4	7.1	7.9	7.6	8.6	6.9
8	---	---	6.9	6.7	7.9	7.5	9.2	6.9	7.9	7.5	8.7	7.3
9	---	---	7.4	6.7	7.6	7.2	7.9	7.2	8.2	7.9	9.2	8.4
10	8.5	8.2	7.9	7.4	7.7	7.3	7.7	7.1	8.3	7.8	9.0	8.4
11	8.4	8.0	8.3	7.9	7.7	7.6	8.4	7.3	8.0	7.7	9.0	8.7
12	8.4	8.0	8.4	8.0	7.7	7.4	8.0	7.4	7.8	7.2	9.2	8.9
13	8.4	8.0	8.4	8.1	7.5	7.3	8.2	7.6	7.7	7.4	9.5	8.9
14	8.8	8.2	8.3	8.1	7.3	7.0	8.5	7.7	7.7	7.2	9.7	9.0
15	9.2	8.8	8.2	7.9	7.1	6.6	8.5	8.0	7.4	7.1	9.7	9.2
16	9.4	9.1	8.1	7.9	6.8	6.5	8.6	8.0	7.6	7.2	10.2	8.2
17	9.5	9.1	8.2	7.9	6.5	6.1	8.7	7.9	7.5	6.6	8.2	6.6
18	9.5	9.1	8.8	7.9	6.6	6.1	8.6	8.0	7.2	6.4	8.5	7.0
19	9.3	9.1	9.5	7.8	6.7	6.3	8.9	8.0	6.5	6.1	8.2	7.0
20	9.6	9.1	8.2	7.7	7.0	6.7	9.2	8.2	6.6	6.2	8.3	7.0
21	9.3	8.9	7.7	7.4	7.0	6.8	8.9	8.4	6.9	6.3	7.6	7.1
22	8.9	8.5	7.7	7.3	7.1	6.6	8.5	7.8	7.1	6.8	7.5	7.0
23	8.6	8.2	7.6	7.4	7.2	6.6	8.2	7.3	7.3	6.9	8.2	7.4
24	8.4	8.1	7.8	7.4	7.3	6.7	8.2	7.3	7.9	7.0	7.4	6.7
25	8.3	7.5	7.6	7.1	6.7	6.3	7.7	7.1	7.6	7.0	7.4	6.2
26	8.1	7.5	7.3	7.1	7.1	6.5	7.4	6.6	8.5	7.6	6.5	6.1
27	8.4	8.1	7.2	6.9	7.0	6.5	7.5	6.7	8.6	7.8	6.4	6.1
28	8.4	8.3	7.1	6.9	7.1	6.5	---	---	8.4	7.9	6.3	6.0
29	8.4	8.3	7.0	6.9	7.0	6.0	---	---	8.1	6.8	6.3	5.8
30	8.3	7.9	7.4	6.9	6.0	5.1	---	---	8.0	6.6	6.4	5.9
31	---	---	7.7	7.3	---	---	---	---	7.5	6.2	---	---
MONTH	9.6	7.5	9.5	6.2	7.9	5.1	10.1	5.3	8.6	6.1	10.2	5.8
YEAR	11.8	5.1										

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 mi^2.
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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
15...	0630	4.9	206	202	7.9	7.6	13.0	10.0	7.7	75
NOV										
12...	0630	11	120	117	7.5	7.4	8.0	0.0	8.4	72
DEC										
10...	0630	43	109	110	7.5	7.2	8.0	0.0	8.5	73

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
15...	7.0	<1.0	490	97	0.280	<0.030	0.030	1.0
NOV								
12...	5.0	<1.0	130	48	0.160	<0.030	<0.020	<1.0
DEC								
10...	2.0	<1.0	80	44	0.220	<0.030	<0.020	<1.0

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 mi^2.

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, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 1	1500	4,430	13.71	Mar. 19	2400	3,130	11.89
Mar. 3	2300	6,250	15.14	May 3	1900	*8,740	*16.37

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	155	94	1580	278	600	3760	435	538	1010	229	142	91
2	147	120	1130	261	514	1940	394	542	560	220	130	90
3	142	115	645	248	459	4010	361	6650	429	206	125	90
4	134	102	480	235	433	3200	329	3300	345	196	122	89
5	129	98	394	436	428	1490	320	1190	293	188	119	88
6	122	99	355	423	385	1390	1350	865	258	179	115	89
7	121	106	322	355	352	976	888	684	256	173	115	89
8	119	384	302	321	442	809	648	573	249	169	113	87
9	116	259	256	601	410	695	547	501	233	166	131	89
10	114	194	238	580	377	617	466	437	225	161	161	158
11	109	160	227	477	351	549	410	383	264	155	132	116
12	107	144	263	404	324	480	704	340	290	151	124	103
13	107	135	483	343	498	466	e620	315	242	149	119	97
14	104	128	380	305	655	743	e520	289	287	145	118	97
15	99	121	314	285	538	641	e450	268	305	143	115	92
16	99	113	276	742	464	537	407	250	247	168	111	91
17	96	111	598	541	415	485	369	237	783	148	107	90
18	99	135	544	450	374	454	332	230	883	142	105	89
19	95	180	427	403	342	1570	311	220	599	141	102	89
20	96	155	346	355	319	1950	298	315	459	137	126	88
21	96	144	292	309	723	1070	273	240	374	134	109	90
22	91	135	259	304	1470	817	335	219	345	132	102	87
23	93	130	241	356	783	662	498	208	314	134	98	86
24	91	123	253	886	625	563	356	201	277	134	97	94
25	92	177	270	2380	536	494	304	226	259	132	96	398
26	94	468	241	1260	516	595	270	217	264	130	93	180
27	108	298	255	861	658	496	313	207	375	125	93	130
28	101	236	252	1590	1470	466	541	206	305	124	93	127
29	94	205	316	1140	---	726	904	217	259	126	92	116
30	93	218	316	845	---	585	666	246	243	162	91	106
31	91	---	298	701	---	496	---	307	---	189	92	---
TOTAL	3354	5087	12553	18675	15461	33732	14619	20621	11232	4888	3488	3326
MEAN	108	170	405	602	552	1088	487	665	374	158	113	111
MAX	155	468	1580	2380	1470	4010	1350	6650	1010	229	161	398
MIN	91	94	227	235	319	454	270	201	225	124	91	86
CFSM	.56	.88	2.11	3.14	2.88	5.67	2.54	3.46	1.95	.82	.59	.58
IN.	.65	.99	2.43	3.62	3.00	6.54	2.83	4.00	2.18	.95	.68	.64

e Estimated

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	153	246	388	586	698	754	512	336	199	192	140	153
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	155425		147036			
ANNUAL MEAN	425		403		362	
HIGHEST ANNUAL MEAN					628	1990
LOWEST ANNUAL MEAN					133	1986
HIGHEST DAILY MEAN	9640	Jan 27	6650	May 3	19600	Feb 16 1990
LOWEST DAILY MEAN	91	Oct 22	86	Sep 23	a38	b
ANNUAL SEVEN-DAY MINIMUM	93	Oct 20	88	Sep 17	54	Jul 31 1986
INSTANTANEOUS PEAK FLOW			8740	May 3	30100	Feb 16 1990
INSTANTANEOUS PEAK STAGE			16.37	May 3	22.63	Feb 16 1990
INSTANTANEOUS LOW FLOW			85	Sep 20,23	c38	Aug 3 1986
ANNUAL RUNOFF (CFSM)	2.21		2.10		1.88	
ANNUAL RUNOFF (INCHES)	30.11		28.49		25.59	
10 PERCENT EXCEEDS	848		732		710	
50 PERCENT EXCEEDS	204		259		180	
90 PERCENT EXCEEDS	106		96		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 December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
15...	0600	101	849	839	7.9	7.9	14.0	10.0	7.5	74
NOV										
12...	0600	144	554	547	7.7	7.9	9.0	0.0	8.1	71
DEC										
10...	0600	242	206	205	7.7	7.7	8.0	0.0	8.3	71

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
15...	5.0	1.6	120	210	0.370	0.060	0.120	6.0
NOV								
12...	7.0	1.5	320	128	0.290	<0.030	0.090	4.0
DEC								
10...	7.0	<1.0	110	160	0.420	0.030	0.050	1.0

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 mi^2.
PERIOD OF RECORD.--August 1974 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. Field determinations OF Discahrge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
15...	0720	81341	137	673	654	7.7	7.8	14.0	10.0	7.3	72
NOV											
12...	0700	81341	180	386	376	7.4	7.8	7.0	0.0	7.9	66
DEC											
10...	0700	81341	248	340	338	7.4	7.6	7.0	0.0	8.0	67
JAN											
10...	0645	81341	900	223	218	7.3	7.7	7.0	0.0	9.8	83
FEB											
04...	0715	81341	615	243	237	7.7	7.6	13.0	16.0	8.9	86
MAR											
04...	0715	81341	5700	79	78	7.1	7.0	13.0	7.0	10.0	97
APR											
01...	0600	81341	535	239	231	7.6	7.9	12.0	0.0	9.6	91
MAY											
06...	0600	81341	1240	162	155	7.7	7.7	14.0	11.0	9.6	95
JUN											
03...	0600	81341	550	225	215	7.6	7.9	17.5	16.0	9.0	97
JUL											
08...	0600	81341	210	270	264	7.7	8.2	22.0	20.0	7.3	85
AUG											
05...	0600	81341	157	484	466	7.6	7.7	23.0	19.0	7.6	91
SEP											
02...	0600	81341	107	552	526	7.7	7.8	23.0	20.0	7.1	84

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
15...	81341	5.0	1.4	--	163	8	.500	.090	.550	4.0
NOV										
12...	81341	12	1.2	120	111	19	.380	.100	.360	4.0
DEC										
10...	81341	8.0	1.1	110	116	15	.460	.110	.280	3.0
JAN										
10...	81341	28	1.6	80	92	61	.370	.060	.160	3.0
FEB										
04...	81341	11	1.3	90	97	28	.410	.110	.140	2.0
MAR										
04...	81341	62	1.7	--	31	68	.130	.030	.130	5.0
APR										
01...	81341	7.0	1.4	--	91	13	.340	.070	.140	2.0
MAY										
06...	81341	14	1.0	64	67	35	.280	.050	.090	2.0
JUN										
03...	81341	15	1.3	86	86	32	.340	.050	.150	4.0
JUL										
08...	81341	6.0	<1.0	120	116	13	.720	.050	.160	2.0
AUG										
05...	81341	7.0	2.2	140	135	21	.480	.080	.350	5.0
SEP										
02...	81341	5.0	1.9	130	170	11	.340	<.030	.280	4.0

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DISCHARGE, INST. CUBIC FEET PER SECOND	COLIFORM, FECAL, EC BROTH (MPN)
	(00028)	(00061)	(31615)	
OCT				
15...	0720	81341	137	170
NOV				
12...	0700	81341	180	490
DEC				
10...	0700	81341	248	80
JAN				
10...	0645	81341	900	3100
FEB				
04...	0715	81341	615	230
MAR				
04...	0715	81341	5700	7000
APR				
01...	0600	81341	535	80
MAY				
06...	0600	81341	1240	490
JUN				
03...	0600	81341	550	790
JUL				
08...	0600	81341	210	130
15...	1015	81213	178	110
21...	0600	81213	180	50
AUG				
05...	0600	81341	157	230
SEP				
02...	0600	81341	107	130

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	DISCHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
		(00028)	(00061)	(00095)	(00400)	(00010)	(00020)	(00300)	(00301)
SEP									
16...	1320	81213	520	544	7.9	22.0	35.5	6.8	79

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	ANTIMONY, TOTAL (UG/L AS SB)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
	(00028)	(00916)	(00927)	(01097)	(01002)	(01027)	(01034)	(01042)
SEP								
16...	81213	31	9.0	<1.0	<2.0	<0.5	<1.0	2.3

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	THALLIUM, TOTAL (UG/L AS TL)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
	(00028)	(01051)	(01059)	(71900)	(01067)	(01147)	(01092)
SEP							
16...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	5.6

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
16...	0815	40	43	43	7.2	7.1	12.5	10.0	8.4	82
NOV										
13...	0810	85	44	44	7.2	7.1	8.0	7.0	8.9	75
DEC										
11...	0815	120	41	43	7.2	6.9	10.0	14.0	8.3	76

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
16...	7.0	<1.0	80	18	4	0.060	<0.030	<0.020	2.0
NOV									
13...	7.0	<1.0	20	16	4	0.060	<0.030	<0.020	3.0
DEC									
11...	8.0	<1.0	220	13	4	0.110	<0.030	<0.020	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 mi^2.
PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to December 1996 (discontinued).
REVISED RECORDS.--WDR GA-80-1: Drainage area.
REMARKS.--Laboratory chemical 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
17...	0500	84	43	43	6.9	6.6	14.5	12.5	8.2	83
NOV										
14...	0500	76	45	43	6.8	7.2	10.0	7.0	8.5	77
DEC										
12...	0500	80	42	42	6.8	7.1	12.0	16.0	8.3	80

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
17...	10	<1.0	170	13	0.100	<0.030	0.030	2.0
NOV								
14...	11	<1.0	130	17	0.080	<0.030	0.030	3.0
DEC								
12...	9.0	<1.0	20	15	0.150	<0.030	0.020	2.0

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 mi^2.
PERIOD OF RECORD.--January 1996 to December 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
17...	0630	97	50	49	6.9	6.6	15.5	12.5	8.0	83
NOV										
14...	0630	16	58	57	6.7	7.0	10.0	6.0	7.9	72
DEC										
12...	0630	20	54	54	6.8	6.9	13.0	16.0	7.7	76

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
17...	6.0	<1.0	790	16	4	.140	.060	<.020	3.0
NOV									
14...	8.0	1.2	230	20	5	.130	<.030	<.020	3.0
DEC									
12...	11	1.1	210	17	8	.200	<.030	<.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 fromLittle Tallapoosa River and 3.4 mi north of Roopville.
DRAINAGE AREA.--25.6 mi^2.
PERIOD OF RECORD.--January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
17...	0600	22	72	72	6.8	6.6	14.5	12.5	8.1	82
NOV										
14...	0605	29	64	64	6.9	6.9	8.0	6.0	8.4	73
DEC										
12...	0600	34	60	59	6.9	6.9	13.0	16.0	8.3	81

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT									
17...	13	1.2	80	26	18	.070	<.030	<.020	3.0
NOV									
14...	8.0	<1.0	110	20	2	.060	<.030	<.020	4.0
DEC									
12...	6.0	<1.0	50	17	2	.100	<.030	<.020	3.0

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 mi^2.
PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to December 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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
17...	0530	308	70	69	7.0	6.8	14.5	12.5	8.2	83
NOV										
14...	0535	128	66	65	7.0	7.1	9.0	6.0	8.5	75
DEC										
12...	0530	213	60	59	7.0	7.0	12.0	16.0	8.8	84

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT								
17...	8.0	1.0	220	17	0.480	0.050	0.030	2.0
NOV								
14...	12	<1.0	330	17	0.340	<0.030	0.040	3.0
DEC								
12...	11	<1.0	140	15	0.350	<0.030	0.030	2.0

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 mi^2.
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, 415,300 acre-ft, May 6, elevation, 1,083.40 ft; minimum, 355,000 acre-ft, Oct. 11, elevation, 1,065.00 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1068.20	365000	-	-
Oct. 31.....	1065.70	357200	-7800	-127
Nov. 30.....	1073.40	381600	+24400	+410
Dec. 31.....	1068.20	365000	-16600	-270
CAL YR 1996	-	-	+1300	+2
Jan. 31.....	1073.40	381600	+16600	+270
Feb. 28.....	1075.70	389200	+7600	+137
Mar. 31.....	1076.40	391500	+2300	+37
Apr. 30.....	1075.20	387500	-4000	-67
May 31.....	1074.60	385500	-2000	-33
June 30.....	1073.80	382900	-2600	-44
July 31.....	1072.90	380000	-2900	-47
Aug. 31.....	1069.08	367800	-12200	-198
Sept. 30.....	1071.40	375200	+7400	+124
WTR YR 1997	-	-	+10200	+14

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 mi^2.
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, 15,900 acre-ft, Oct. 8, elevation, 696.25 ft; minimum 3,520 acre-ft, Nov. 24, elevation, 679.46 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	692.32	12620	-	-
Oct. 31.....	689.60	10470	-2150	-35
Nov. 30.....	685.55	7470	-3000	-50
Dec. 31.....	690.82	11430	+3960	+64
CAL YR 1996	-	-	+3390	+5
Jan. 31.....	694.84	14700	+3270	+53
Feb. 28.....	692.33	12630	-2070	-37
Mar. 31.....	685.25	7250	-5380	-87
Apr. 30.....	691.93	12310	+5060	+85
May 31.....	687.02	8550	-3760	-61
June 30.....	683.16	5850	-2700	-45
July 31.....	691.04	11610	+5760	+94
Aug. 31.....	684.90	7000	-4610	-75
Sept. 30.....	686.92	8470	+1470	+25
WTR YR 1997	-	-	-4150	-6

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 mi^2.
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, 414,700 acre-ft June 5, elevation, 843.81 ft; minimum, 202,200 acre-ft Dec. 28, elevation, 822.92 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	836.61	328800	-	-
Oct. 31.....	833.75	298500	-30300	-493
Nov. 30.....	828.00	243800	-54700	-919
Dec. 31.....	823.47	206400	-37400	-608
CAL YR 1996	-	-	+800	+1
Jan. 31.....	828.00	243800	+37400	+608
Feb. 28.....	835.45	316300	+72500	+1305
Mar. 31.....	836.71	329900	+13600	+221
Apr. 30.....	842.35	396100	+66200	+1113
May 31.....	842.05	392400	-3700	-60
June 30.....	841.32	383400	-9000	-151
July 31.....	840.51	373600	-9800	-159
Aug. 31.....	838.67	352000	-21600	-351
Sept. 30.....	839.56	362300	+10300	+173
WTR YR 1997	-	-	+33500	+46

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 mi^2.
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 , except those for greater than 20 ft^3/s, which are fair.
PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 35 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0930	*272	*3.44	Apr. 12	0845	39	2.74
Feb. 21	1600	39	2.74	May 3	0500	85	2.99
Feb. 28	1500	82	2.98	July 23	1430	69	2.92
Mar. 14	0430	55	2.85				

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	13	2.7	145	4.9	7.1	43	6.1	7.6	10	3.0	1.4	1.0
2	10	3.1	41	4.5	6.3	28	5.6	9.3	6.8	2.7	1.3	1.0
3	8.1	2.7	20	4.2	5.8	22	5.5	57	5.8	2.6	1.3	.99
4	6.7	2.5	12	4.0	5.9	17	5.4	23	5.2	2.5	1.3	1.0
5	5.6	2.5	9.5	7.0	6.6	15	5.3	15	4.7	2.4	1.2	1.0
6	5.0	2.4	7.9	6.0	5.9	14	12	12	4.4	2.3	1.2	1.0
7	4.6	3.3	7.1	5.3	5.7	12	9.9	9.9	4.2	2.3	1.2	.98
8	4.2	8.7	6.0	5.0	6.6	11	8.1	9.0	4.0	2.3	1.2	.97
9	3.9	5.3	5.3	12	6.1	9.6	7.1	8.2	3.9	2.7	1.3	1.1
10	3.6	4.2	4.8	11	5.9	8.9	6.5	7.5	3.8	2.4	1.3	1.7
11	3.4	3.6	4.4	8.4	5.3	8.3	6.0	6.9	3.8	2.2	1.2	1.7
12	3.1	3.3	5.6	6.8	4.9	7.6	28	6.6	4.2	2.2	1.1	1.2
13	2.9	3.1	5.7	5.8	5.4	12	17	6.2	3.8	2.1	1.2	1.1
14	2.8	3.0	5.2	5.3	6.7	41	12	5.9	8.1	2.0	1.2	1.1
15	2.8	2.8	4.8	5.3	11	22	9.7	5.6	6.4	2.0	1.2	1.1
16	2.7	2.7	4.5	7.6	9.2	15	8.5	5.2	5.3	1.9	1.2	1.0
17	2.7	2.6	5.5	6.1	7.6	12	7.7	5.0	4.9	1.9	1.2	.95
18	3.0	3.4	4.8	5.5	6.6	11	7.0	4.8	4.5	1.8	1.2	.94
19	2.8	3.3	4.5	5.0	6.1	10	6.7	4.8	4.1	1.8	1.2	.93
20	2.8	3.1	4.1	4.6	5.5	9.2	6.2	4.7	3.8	1.8	1.2	.90
21	2.8	3.4	3.9	4.4	14	8.5	6.1	4.4	4.1	1.9	1.1	.91
22	2.7	3.4	3.8	4.3	16	7.9	7.1	4.2	3.6	1.8	1.1	.91
23	3.1	3.3	3.6	4.4	11	7.3	6.9	4.1	3.4	8.8	1.1	.91
24	2.8	3.1	4.3	9.1	8.7	6.8	6.2	4.1	3.3	2.7	1.0	2.5
25	2.7	5.7	3.9	23	7.6	6.5	5.9	4.8	3.2	1.9	1.0	5.0
26	2.8	9.5	3.8	14	7.0	7.0	5.5	4.4	3.1	1.6	1.0	1.6
27	3.1	6.3	4.3	9.6	11	6.3	6.3	4.2	3.2	1.7	1.1	1.3
28	2.8	5.0	4.1	14	55	6.3	9.7	4.1	3.0	1.6	1.0	3.4
29	2.8	4.3	6.4	12	---	7.7	9.9	4.3	3.0	1.5	1.0	2.6
30	2.7	8.5	6.1	9.8	---	7.0	8.6	4.8	2.8	1.7	1.0	1.7
31	2.6	---	5.5	8.2	---	6.6	---	5.6	---	1.6	1.0	---
TOTAL	124.6	120.8	357.4	237.1	260.5	406.5	252.5	263.2	134.4	71.7	36.0	42.49
MEAN	4.02	4.03	11.5	7.65	9.30	13.1	8.42	8.49	4.48	2.31	1.16	1.42
MAX	13	9.5	145	23	55	43	28	57	10	8.8	1.4	5.0
MIN	2.6	2.4	3.6	4.0	4.9	6.3	5.3	4.1	2.8	1.5	1.0	.90
CFSM	2.41	2.41	6.90	4.58	5.57	7.85	5.04	5.08	2.68	1.38	.70	.85
IN.	2.78	2.69	7.96	5.28	5.80	9.05	5.62	5.86	2.99	1.60	.80	.95

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.80	5.13	5.91	8.37	8.15	9.79	7.24	4.98	4.30	3.29	4.80	3.17
MAX	15.8	13.4	11.5	27.0	22.9	19.9	11.6	9.28	14.5	9.75	18.6	9.13
(WY)	1996	1993	1997	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1984 - 1997	
ANNUAL TOTAL	3057.4		2307.19			
ANNUAL MEAN	8.35		6.32		5.81	
HIGHEST ANNUAL MEAN					9.17	1996
LOWEST ANNUAL MEAN					2.69	1986
HIGHEST DAILY MEAN	211	Jan 27	145	Dec 1	247	Oct 5 1995
LOWEST DAILY MEAN	1.7	Aug 10	.90	Sep 20	.56	Oct 15 1987
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 4	.92	Sep 17	.57	Oct 13 1987
INSTANTANEOUS PEAK FLOW			272	Dec 1	a779	Aug 16 1994
INSTANTANEOUS PEAK STAGE			3.44	Dec 1	4.02	Aug 16 1994
ANNUAL RUNOFF (CFSM)	5.00		3.79		3.48	
ANNUAL RUNOFF (INCHES)	68.10		51.39		47.31	
10 PERCENT EXCEEDS	11		11		10	
50 PERCENT EXCEEDS	4.9		4.5		4.0	
90 PERCENT EXCEEDS	2.2		1.2		1.3	

a From rating curve extended above 40 ft^3/s on basis of slope-area measurement of peak flow.

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 mi^2.
PERIOD OF RECORD.--August 1974 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. 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
10...	0600	81341	78	290	282	7.8	7.8	15.0	9.5	7.1	72
NOV											
07...	0600	81341	65	320	315	7.7	7.7	15.0	19.0	6.9	70
DEC											
05...	0605	81341	310	253	249	7.8	7.7	10.0	7.0	7.3	66
JAN											
07...	0530	81341	300	254	248	7.7	7.7	12.0	5.0	9.7	92
FEB											
04...	0530	81341	330	236	229	7.7	7.7	13.0	15.0	9.0	87
MAR											
04...	0530	81341	1450	111	109	7.4	7.2	14.0	13.0	8.9	88
APR											
01...	0430	81341	263	240	225	7.6	8.0	13.5	5.0	9.2	90
MAY											
06...	0430	81341	685	187	179	7.4	7.6	15.5	15.0	9.2	94
JUN											
03...	0430	81341	385	220	210	7.6	7.7	17.0	16.0	8.4	90
JUL											
08...	0430	81341	104	257	250	7.7	8.1	22.0	21.0	7.9	92
AUG											
05...	0430	81341	71	290	279	7.7	8.0	24.0	23.0	7.5	92
SEP											
02...	0430	81341	50	300	282	7.7	7.9	24.0	23.0	7.1	86

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
10...	81341	7.0	<1.0	--	136	9	.760	<.030	.040	2.0
NOV										
07...	81341	5.0	<1.0	150	146	7	.760	.040	.060	2.0
DEC										
05...	81341	17	1.6	120	111	22	.800	.350	.080	2.0
JAN										
07...	81341	33	1.2	130	110	32	.560	.030	.090	4.0
FEB										
04...	81341	9.0	1.4	110	105	16	.840	.260	.070	2.0
MAR										
04...	81341	80	1.7	--	48	50	.170	.040	.150	5.0
APR										
01...	81341	11	1.2	--	105	13	.560	.090	.050	2.0
MAY										
06...	81341	21	<1.0	84	82	33	.480	.040	.070	2.0
JUN										
03...	81341	22	1.1	120	10	34	.510	.030	.090	4.0
JUL										
08...	81341	8.0	<1.0	120	119	13	.810	<.030	.060	2.0
AUG										
05...	81341	5.0	<1.0	150	130	13	.740	.030	.050	2.0
SEP										
02...	81341	4.0	<1.0	120	133	7	.550	<.030	.040	2.0

TENNESSEE RIVER BASIN

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.--Continued

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

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	COLIFORM, FECAL, EC BROTH (MPN) (31615)
OCT				
10...	0600	81341	78	110
NOV				
07...	0600	81341	65	70
DEC				
05...	0605	81341	310	1300
JAN				
07...	0530	81341	300	2300
FEB				
04...	0530	81341	330	1800
MAR				
04...	0530	81341	1450	13000
APR				
01...	0430	81341	263	270
MAY				
06...	0430	81341	685	270
JUN				
03...	0430	81341	385	11000
JUL				
08...	0430	81341	104	230
15...	1230	81213	71	140
21...	0430	81213	63	<20
AUG				
05...	0430	81341	71	140
SEP				
02...	0430	81341	50	80

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
SEP									
16...	1520	81213	38	304	7.9	22.0	34.5	8.2	96

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG) (00927)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
SEP								
16...	81213	35	10	<1.0	<2.0	<.5	<1.0	1.7

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	THALLIUM, TOTAL (UG/L AS TL) (01059)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
SEP							
16...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.7

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 mi^2.
PERIOD OF RECORD.--November 1994 to January 1997 (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. Field determinations of Discharge are by the U.S. Geological Survey.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE WATER (DEG C) (00010)	TEMPER-ATURE AIR (DEG C) (00020)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
OCT										
10...	0640	14	222	217	7.7	7.6	14.0	9.5	7.2	72
NOV										
07...	0645	17	214	213	7.6	7.3	15.0	19.0	7.0	71
DEC										
05...	0650	115	132	132	7.7	7.3	8.5	7.0	7.6	66
JAN										
07...	0630	96	150	147	7.6	7.5	10.0	5.0	9.9	90

DATE	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, EC BROTH (MPN) (31615)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
10...	5.0	<1.0	130	--	84	6	0.260	0.050	<0.020	2.0
NOV										
07...	5.0	<1.0	80	120	81	13	0.160	<0.030	0.020	2.0
DEC										
05...	6.0	1.3	220	54	47	13	0.320	<0.030	<0.020	1.0
JAN										
07...	8.0	<1.0	330	70	53	13	0.300	<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 mi^2.
PERIOD OF RECORD.--November 1994 to January 1997 (discontinued).
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 1996 TO SEPTEMBER 1997

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	TEMPERATURE WATER (DEG C) (00010)	TEMPERATURE AIR (DEG C) (00020)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
10...	0620	487	464	7.7	7.8	15.0	9.5	6.9	70
NOV									
07...	0615	376	363	7.8	7.8	18.0	19.0	6.2	67
DEC									
05...	0625	325	303	7.9	7.7	11.0	7.0	7.2	67
JAN									
07...	0600	291	280	7.7	7.6	11.0	5.0	8.7	81

DATE	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, EC BROTH (MPN) (31615)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	ALKALINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT										
10...	2.0	2.5	13000	--	147	2	0.780	0.690	0.210	2.0
NOV										
07...	6.0	<1.0	700	170	130	8	0.500	0.030	0.220	2.0
DEC										
05...	6.0	1.0	<20	120	110	11	0.750	<0.030	0.210	1.0
JAN										
07...	5.0	<1.0	<20	110	96	9	0.660	<0.030	0.320	1.0

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 mi^2.
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-temperature data 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 25	0330	4,900	14.27	Mar. 3	2015	4,330	13.86
Jan. 28	0630	4,300	13.40	May 3	2015	*6,330	*15.16

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	254	48	660	194	625	1900	282	519	1050	191	57	24
2	205	75	643	180	498	1230	252	558	488	162	46	24
3	168	79	399	168	418	3720	231	5240	332	144	43	23
4	161	63	288	155	370	1980	214	2210	251	128	42	23
5	125	59	232	325	312	1150	207	989	203	119	42	27
6	107	57	220	315	266	1170	393	742	168	111	40	22
7	96	61	238	240	241	893	413	563	167	102	39	22
8	88	315	254	216	282	758	316	448	153	96	39	22
9	80	232	203	478	253	624	275	363	146	90	43	25
10	72	171	181	363	230	524	239	301	138	86	54	46
11	66	139	167	292	219	449	214	253	142	80	51	44
12	62	119	281	241	206	381	259	216	164	75	41	30
13	58	107	670	211	382	416	270	195	155	71	37	26
14	55	99	409	190	491	651	225	170	216	69	36	25
15	51	92	309	198	384	530	205	157	208	66	36	24
16	49	85	247	682	325	434	193	144	167	62	33	24
17	48	79	297	415	283	387	182	133	782	59	32	24
18	50	95	280	328	252	351	171	125	841	56	32	23
19	50	144	228	279	229	2000	165	118	536	55	32	23
20	47	136	197	240	216	1540	162	133	369	53	34	23
21	44	137	177	209	998	954	158	116	277	51	32	22
22	43	144	160	198	1030	754	169	107	623	51	31	22
23	47	132	149	262	680	593	234	101	535	50	29	22
24	47	122	156	2140	522	485	190	97	334	49	28	65
25	45	167	184	3900	434	407	169	113	258	47	27	153
26	43	277	164	1300	415	377	157	116	241	45	26	114
27	43	209	179	924	801	322	165	102	305	44	26	62
28	44	180	180	2900	1550	373	533	97	288	43	26	49
29	44	160	214	1340	---	445	1380	102	351	49	25	45
30	44	154	224	964	---	376	794	132	235	56	24	38
31	42	---	207	780	---	321	---	289	---	62	24	---
TOTAL	2378	3937	8397	20627	12912	26495	8817	14949	10123	2422	1107	1116
MEAN	76.7	131	271	665	461	855	294	482	337	78.1	35.7	37.2
MAX	254	315	670	3900	1550	3720	1380	5240	1050	191	57	153
MIN	42	48	149	155	206	321	157	97	138	43	24	22
CFSM	.51	.88	1.82	4.47	3.09	5.74	1.97	3.24	2.26	.52	.24	.25
IN.	.59	.98	2.10	5.15	3.22	6.61	2.20	3.73	2.53	.60	.28	.28

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	111	200	335	468	574	601	356	223	111	74.9	81.8	83.6
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1979 - 1997	
ANNUAL TOTAL	119672		113280			
ANNUAL MEAN	327		310		266	
HIGHEST ANNUAL MEAN					424	1990
LOWEST ANNUAL MEAN					81.0	1988
HIGHEST DAILY MEAN	5980	Jan 27	5240	May 3	11900	Oct 5 1995
LOWEST DAILY MEAN	25	Jul 20	22	Sep 6-8,21-23	11	Aug 17 1988
ANNUAL SEVEN-DAY MINIMUM	28	Jul 15	23	Sep 17	12	Jun 27 1988
INSTANTANEOUS PEAK FLOW			6330	May 3	20000	Aug 17 1982
INSTANTANEOUS PEAK STAGE			15.16	May 3	20.73	Aug 17 1982
ANNUAL RUNOFF (CFSM)	2.19		2.08		1.78	
ANNUAL RUNOFF (INCHES)	29.88		28.28		24.24	
10 PERCENT EXCEEDS	805		664		596	
50 PERCENT EXCEEDS	142		169		99	
90 PERCENT EXCEEDS	40		34		24	

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 mi^2.
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 ft^3/s-days, of which 59,100 ft^3/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 ft^3/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft^3/s- days Oct. 6, 1947, elevation, 1638.6 ft
EXTREMES FOR CURRENT YEAR:--Maximum contents, 83,760 ft^3/s-days June 12, elevation, 1,778.05 ft; minimum, 36,090 ft^3/s-days Jan. 22, elevation, 1,743.55 ft

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1762.90	58070	-	-
Oct. 31.....	1754.03	46860	-11210	-362
Nov. 30.....	1753.62	46390	-470	-16
Dec. 31.....	1748.12	40510	-5880	-190
CAL YR 1996		-	+4630	+13
Jan. 31.....	1745.86	38280	-2230	-72
Feb. 28.....	1755.29	48320	+10040	+359
Mar. 31.....	1760.20	54410	+6090	+196
Apr. 30.....	1772.74	73650	+19240	+641
May 31.....	1777.06	81770	+8120	+262
June 30.....	1776.93	81510	-260	-9
July 31.....	1770.90	70440	-11070	-357
Aug. 31.....	1763.71	59210	-11230	-362
Sept. 30.....	1756.36	49590	-9620	-321
WTR YR 1997	-	-	-8480	-23

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 mi^2.
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 ft^3/s-days, of which 92,800 ft^3/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 ft^3/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft^3/s-days Jan. 16, 1956, elevation, 1,587.75 ft
EXTREMES FOR CURRENT YEAR: Maximum contents, 96,370 ft^3/s-days, May 4, elevation, 1,689.57 ft; minimum, 51,950 ft^3/s-days, Nov. 25, elevation, 1,657.89 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1670.73	67840	-	-
Oct. 31.....	1659.83	54150	-13690	-442
Nov. 30.....	1658.99	53190	-960	-32
Dec. 31.....	1663.50	58510	+5320	+172
CAL YR 1996	-	-	+3550	+10
Jan. 31.....	1665.35	60810	+2300	+74
Feb. 28.....	1671.16	68420	+7610	+272
Mar. 31.....	1684.97	88890	+20470	+660
Apr. 30.....	1687.74	93360	+4470	+149
May 31.....	1687.34	92700	-660	-21
June 30.....	1687.47	92920	+220	+7
July 31.....	1682.32	84730	-8190	-264
Aug. 31.....	1674.50	73080	-11650	-376
Sept. 30.....	1669.77	66540	-6540	-218
WTR YR 1997	-	-	-1300	-4

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	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (feet)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (ft^3/s)
SUWANNEE RIVER BASIN								
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, 1984-97	10-08-96	12.54	2600	03-28-84	17.36	11,000
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).	1965-97	02-15-97	2.77	77	10-03-94	5.46	219
OCHLOCKONEE RIVER BASIN								
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).	1964-97	02-15-97	1.52	81	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.	1981-97	02-15-97	13.05	3,090	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.	1981-97	02-15-97	7.49	1,270	02-11-86	10.22	5,860
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).	1977-97	08-01-97	1.80	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	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (feet)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (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‡‡, 1972-97	12-01-96	10.50	9,120	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††, 1997	02-28-97	7.17	1,310	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).	1995-97	02-28-97	7.64	981	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).	1995-97	04-28-97	5.61	362	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).	1987-97	04-28-97	5.81	247	10-05-95	5.98	260
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).	1977-97	05-31-97	5.44	73	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, 1984-97	04-28-97	19.09	5,850	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.	1984-97	04-28-97	19.99	5,990	03-17-90	27.74	21,000
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).	1963-97	02-22-97	6.05	367	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)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (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).	1979-97	12-01-96	5.27	263	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.	1979-97	02-14-97	6.94	732	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).	1977-97	12-01-96	2.11	142	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).	1984-97	02-22-97	4.83	260	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).	1978-97	12-01-96	1.83	49	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, 1984-97	04-28-97	9.46	1,850	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, 1988-97	07-01-97	2.74	417	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).	1979-97	02-22-97	7.37	145	07-05-94	10.79	518
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).	1979-97	01-09-97	3.00	210	07-06-94	7.50	2,400

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)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (ft^3/s)
APALACHICOLA RIVER BASIN--Continued								
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 (a)0.40 mi^2. Elevation of gage is 495 ft above sea level (from topographic map).	1977-97	07-01-97	3.01	50	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).	1979-97	01-09-97	6.69	683	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).	1977-97	05-27-97	5.47	141	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 Highway 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, 1987-97	01-10-97	6.76	1,730	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. Highway 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).	1977-97	02-22-97	1.16	7	07-06-94	9.25	625
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).	1981-97	04-07-97	8.14	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.	1964-97	05-03-97	5.81	451	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.	1984-97	03-04-97	17.47	ND	03-28-94	24.58	ND

‡‡ Operated as a continuous-record gaging station.
(a) Approximately.
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	Water year 1996 maximum			Period of record maximum		
			Date	Gage height (feet)	Discharge (ft^3/s)	Date	Gage height (feet)	Discharge (ft^3/s)
MOBILE RIVER BASIN--Continued								
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, 1984-97	05-03-97	9.74	2,610	03-04-79	15.00	7,000
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‡‡, 1983-97	05-03-97	7.91	1,310	02-16-90	12.00	5,530
McClendon Creek tributary near Dallas, Ga. (02411735)	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State Highway 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).	1977-97	02-28-97	3.53	225	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 Highway 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).	1977-97	05-03-97	3.72	52	04-13-79	5.51	107
TENNESSEE RIVER BASIN								
Hiawassee 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‡‡, 1983-97	12-01-96	6.43	1,620	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‡‡, 1983-97	12-01-96	8.99	3,470	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 Clyo	32°31'30"	81°15'45"	9,850	Apr. 1, 1930 to Sept. 30, 1933
					Oct. 1, 1937 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	Alcovy River above Covington	33°38'24"	83°46'45"	185	Jan. 26, 1972 to current year
02208500	Alcovy River near Covington	33°35'35"	83°48'29"	228	May 1, 1901 to Dec. 31, 1904
02209000	Alcovy 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	Alcovy 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	Tucsawhatchee 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
02217000	Allen Creek at Talmo	34°11'34"	83°43'11"	17.3	July 7, 1951 to Sept. 30, 1971

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period(s) of record		
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	Oct. 2, 1996
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	Oct. 2, 1996
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	Ohoopee 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
02318000	Little River near Adel	31°09'18"	83°32'38"	577	June 12, 1940	to	Sept. 30, 1971

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period(s) of record		
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 Attapulgus Creek at Attapulgus	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 Dahlonega	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
02335078	Johns Creek at Buice Road, near Warsaw	34°00'58"	84°12'40"	11.6	Apr. 1, 1994	to	current year
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	33°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	Sep. 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
02337160	Deep Creek at State Highway 70, near Tell	33°39'52"	84°38'26"	27.5	Oct. 1, 1995	to	current year

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period(s) of record		
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
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period(s) of record		
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
					Oct. 1, 1929	to	current year
02353000	Flint River at Newton	31°18'34"	84°20'06"	5,740	Apr. 1, 1938	to	Sept. 30, 1945
					Oct. 1, 1946	to	Sept. 30, 1947
					Jan. 1, 1949	to	Sept. 30, 1950
					Oct. 1, 1956	to	current year
02353400	Pachitla Creek near Edison	31°33'17"	84°40'43"	188	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
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
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
02356500	Long Branch near Damascus	31°17'55"	84°42'11"	18.0	Feb. 1, 1945	to	Dec. 31, 1949
02356980	Aycocks Creek near Boykin	31°05'11"	84°44'12"	105	Mar. 1, 1993	to	Sept. 30, 1995
02357000	Spring Creek near Iron City	31°02'23"	84°44'18"	485	June 11, 1937	to	Apr. 30, 1971
					Dec. 20, 1976	to	Sept. 30, 1978
					June 7, 1982	to	current year
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	July 1, 1904	to	Dec. 31, 1905
					Dec. 12, 1918	to	June 30, 1921
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Mar. 17, 1937	to	Sept. 30, 1977
02380000	Ellijay River at Ellijay	34°41'06"	84°28'40"	87.7	May 4, 1907	to	Dec. 31, 1907
					Dec. 10, 1918	to	June 30, 1921
					Feb. 26, 1953	to	Sept. 30, 1969
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Oct. 1, 1938	to	Dec. 31, 1949
					June 1, 1963	to	current year
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. 12, 1925	to	Dec. 10, 1931
					Oct. 1, 1961	to	Sept. 30, 1964
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct. 1, 1974	to	current year
02381950	Scarecorn Creek above Hinton	34°27'11"	84°33'28"	6.4	July 22, 1986	to	Jan. 16, 1991
02382000	Scarecorn Creek at Hinton	34°28'04"	84°35'30"	21.3	Apr. 1, 1939	to	Dec. 31, 1942
					May 1, 1959	to	Sept. 30, 1974
					Aug. 1, 1986	to	Apr. 2, 1991
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Nov. 1, 1973	to	current year
02382300	Talking Rock Creek near Carters	34°35'20"	84°40'05"	142	Oct. 1, 1963	to	Sept. 30, 1971
02382500	Coosawattee River at Carters	34°36'13"	84°41'44"	521	Sept. 1, 1896	to	Dec. 1, 1908
					Dec. 21, 1918	to	Sept. 30, 1923
					Oct. 1, 1961	to	Sept. 7, 1972
					Oct. 1, 1974	to	current year
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Oct. 1, 1951	to	Sept. 30, 1974
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Nov. 11, 1938	to	current year
02384000	Conasauga River near Tennga	35°00'34"	84°44'02"	108	May 27, 1929	to	Dec. 31, 1931
					Oct. 1, 1943	to	Dec. 31, 1947
02384500	Conasauga River near Eton	34°49'40"	84°51'03"	252	Oct. 1, 1981	to	current year
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
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period(s) of record		
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 Damsite, 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	Oct. 2, 1997
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 CONTINUOUS-RECORD 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. 1990
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 CONTINUOUS-RECORD 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
				Cl	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. 1981
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

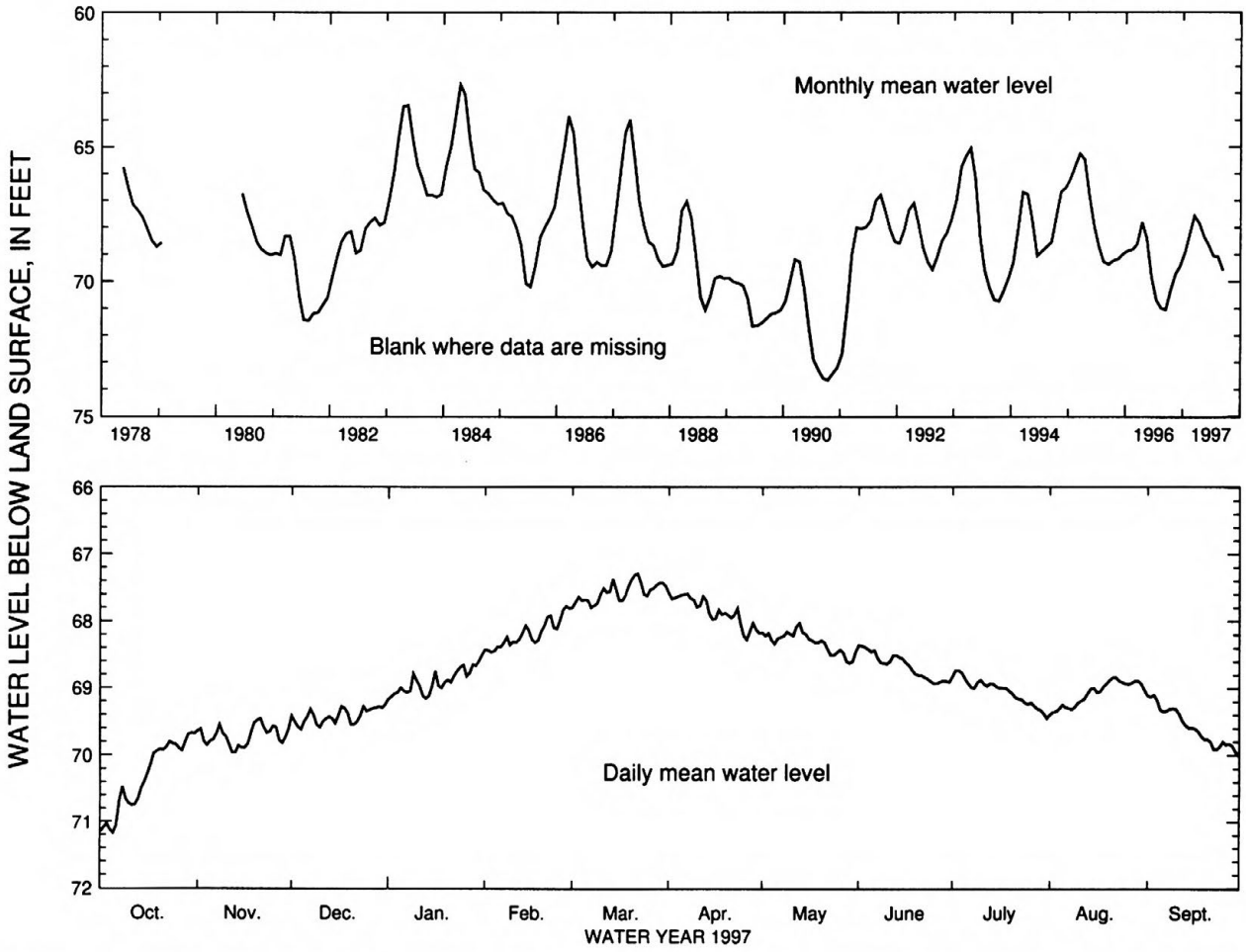
ACTIVE AND DISCONTINUED CONTINUOUS-RECORD WATER-QUALITY MONITORING STATIONS--Continued

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	June 1971 to Sept. 1983
				SSQ	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	June 1975 to July 1975
					Aug. 1976 to current year
				K	June 1975 to July 1975
					Aug. 1976 to current year
				DO	June 1975 to current year
				pH	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.



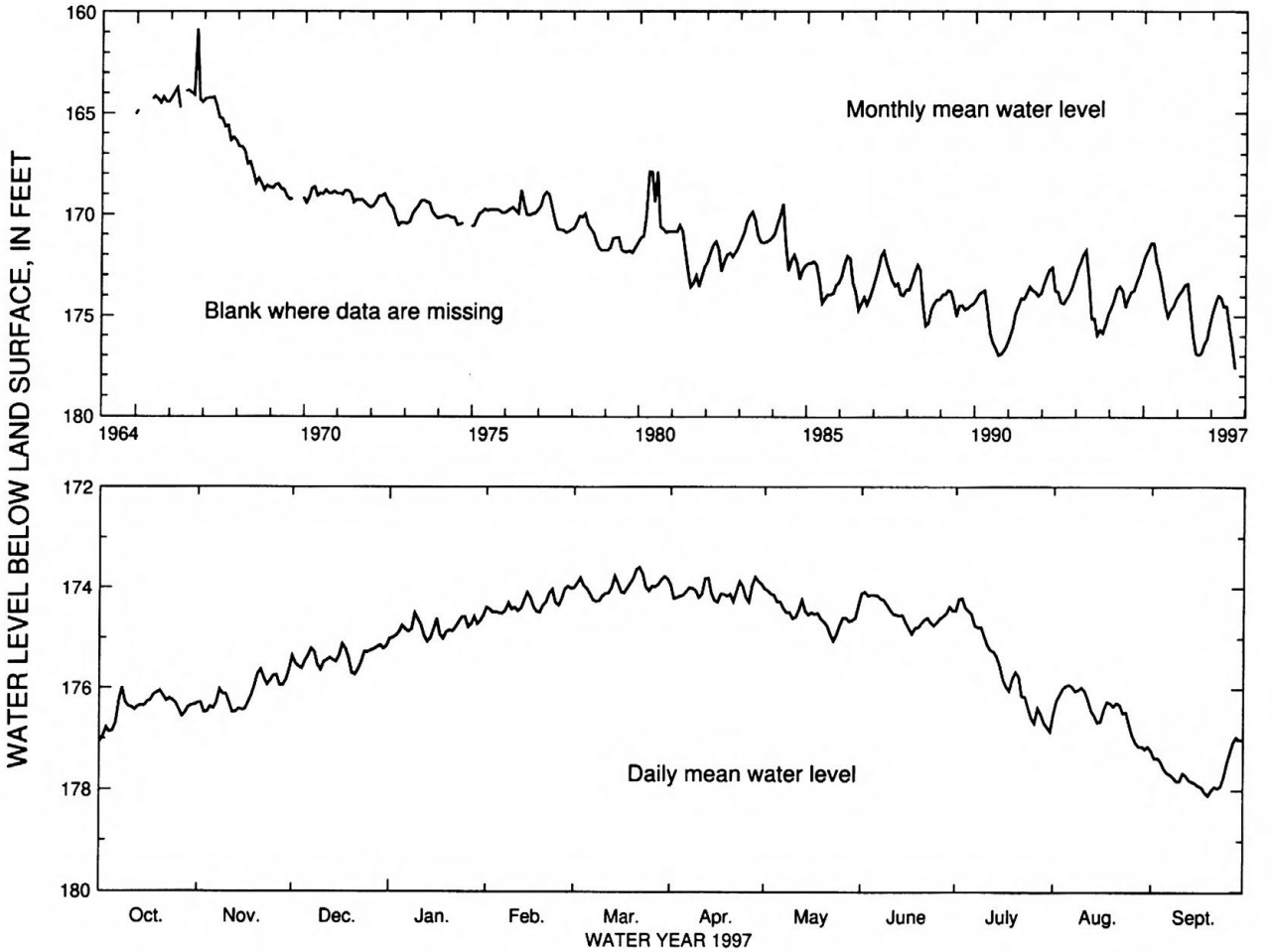
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	69.67	69.46	69.25	68.51	67.78	67.29	67.58	68.03	68.36	68.74	68.84	69.10
MEAN	70.33	69.71	69.42	68.90	68.19	67.57	67.85	68.32	68.67	69.05	69.08	69.58
LOW	71.17	69.96	69.62	69.17	68.47	67.80	68.28	68.63	68.93	69.45	69.40	70.01

WATER YEAR 1997 HIGH 67.29 (Mar. 22, 1997) MEAN 68.89 LOW 71.17 (Oct. 5, 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, 178.10 ft below land-surface datum, September 19, 1997.



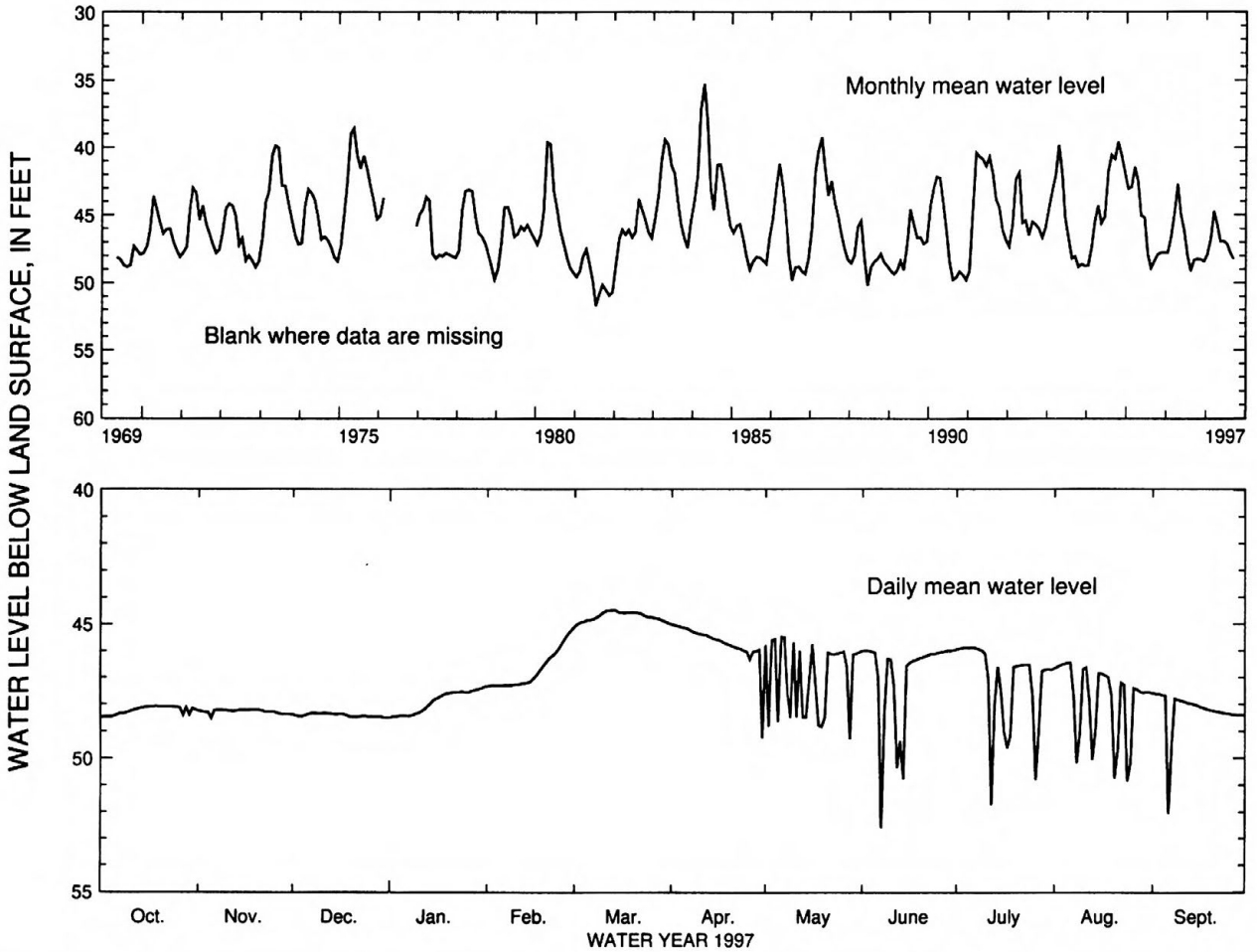
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	175.99	175.63	175.12	174.50	173.97	173.59	173.78	174.02	174.08	174.20	175.92	176.95
MEAN	176.40	176.11	175.39	174.79	174.31	173.96	174.07	174.51	174.49	175.55	176.43	177.63
LOW	177.06	176.48	175.73	175.07	174.51	174.27	174.28	175.05	174.91	176.84	177.19	178.10

WATER YEAR 1997 HIGH 173.59 (Mar. 22, 1997) MEAN 175.31 LOW 178.10 (Sept. 19, 1997)

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.—None.
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.



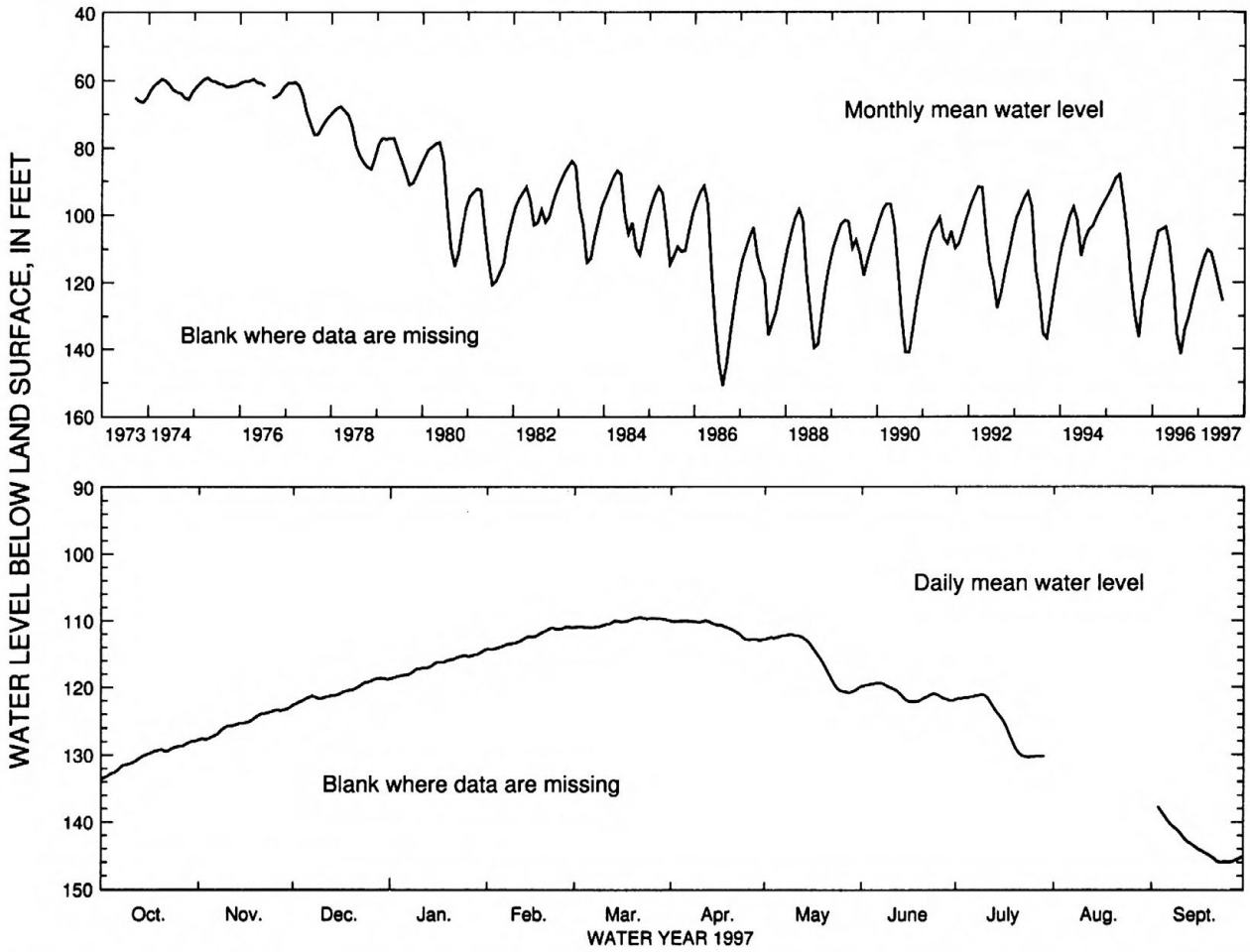
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	48.09	48.21	48.34	47.36	45.22	44.48	45.01	45.48	45.99	45.89	46.45	47.59
MEAN	48.24	48.28	48.42	47.92	46.75	44.72	45.70	46.96	46.93	47.16	47.82	48.26
LOW	48.49	48.53	48.50	48.50	47.33	45.10	49.27	49.29	52.59	51.73	50.86	52.07

sWATER YEAR 1997 HIGH 44.48 (Mar. 13-14, 1997) MEAN 47.27 LOW 52.59 (June 7, 1997)

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 period, July 30 to September 2, 1997, 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.



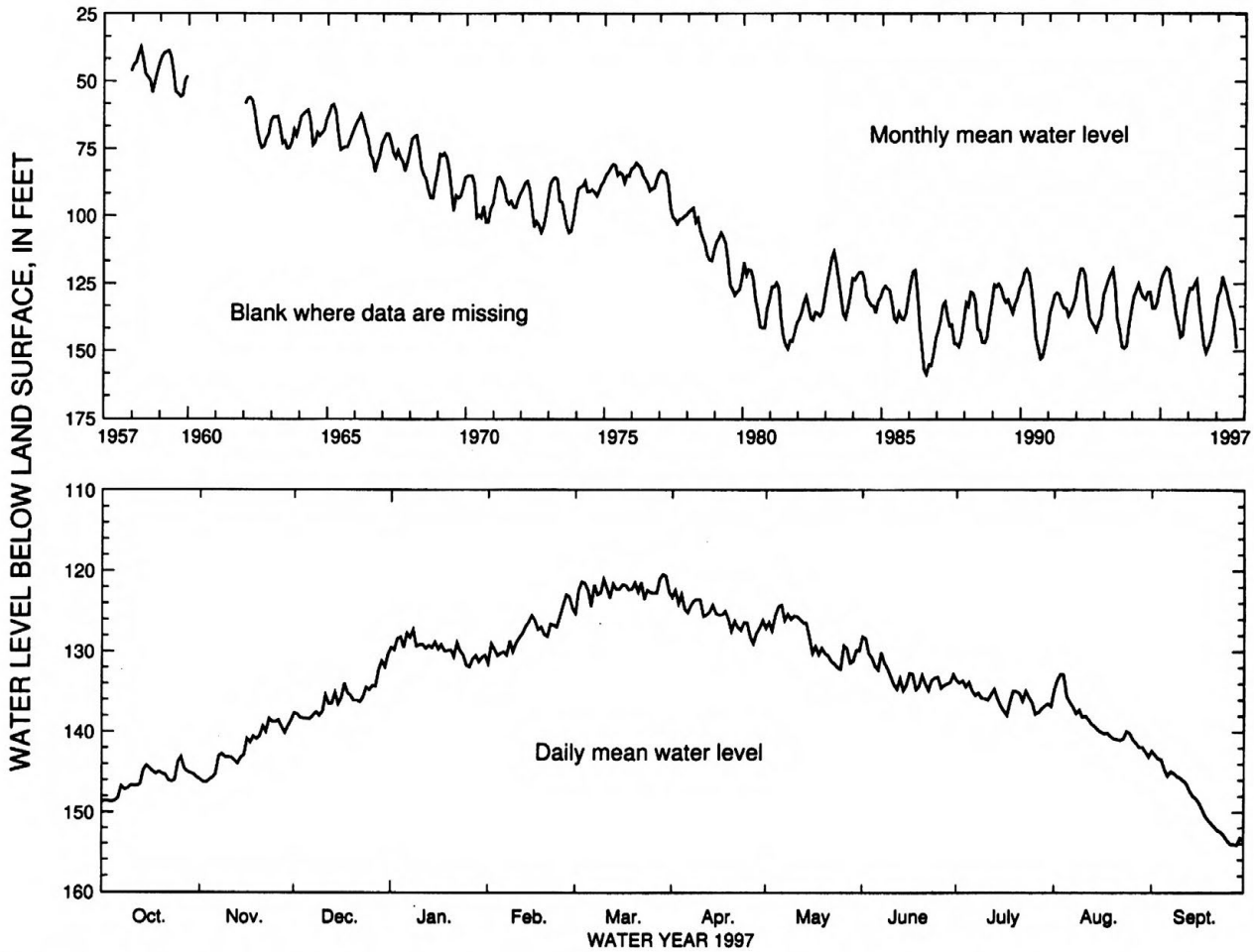
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	127.92	122.96	118.59	114.46	110.99	109.53	110.00	112.17	119.40	121.16	-----	137.67
MEAN	130.29	125.20	120.59	116.55	112.56	110.25	111.08	115.62	120.93	125.44	-----	143.34
LOW	133.53	127.71	122.57	118.70	114.35	111.04	112.99	120.82	122.22	130.40	-----	145.98

WATER YEAR 1997 HIGH 109.53 (Mar. 22, 1997) MEAN 120.94 LOW 145.98 (Sept. 23, 1997)

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.—None.
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.



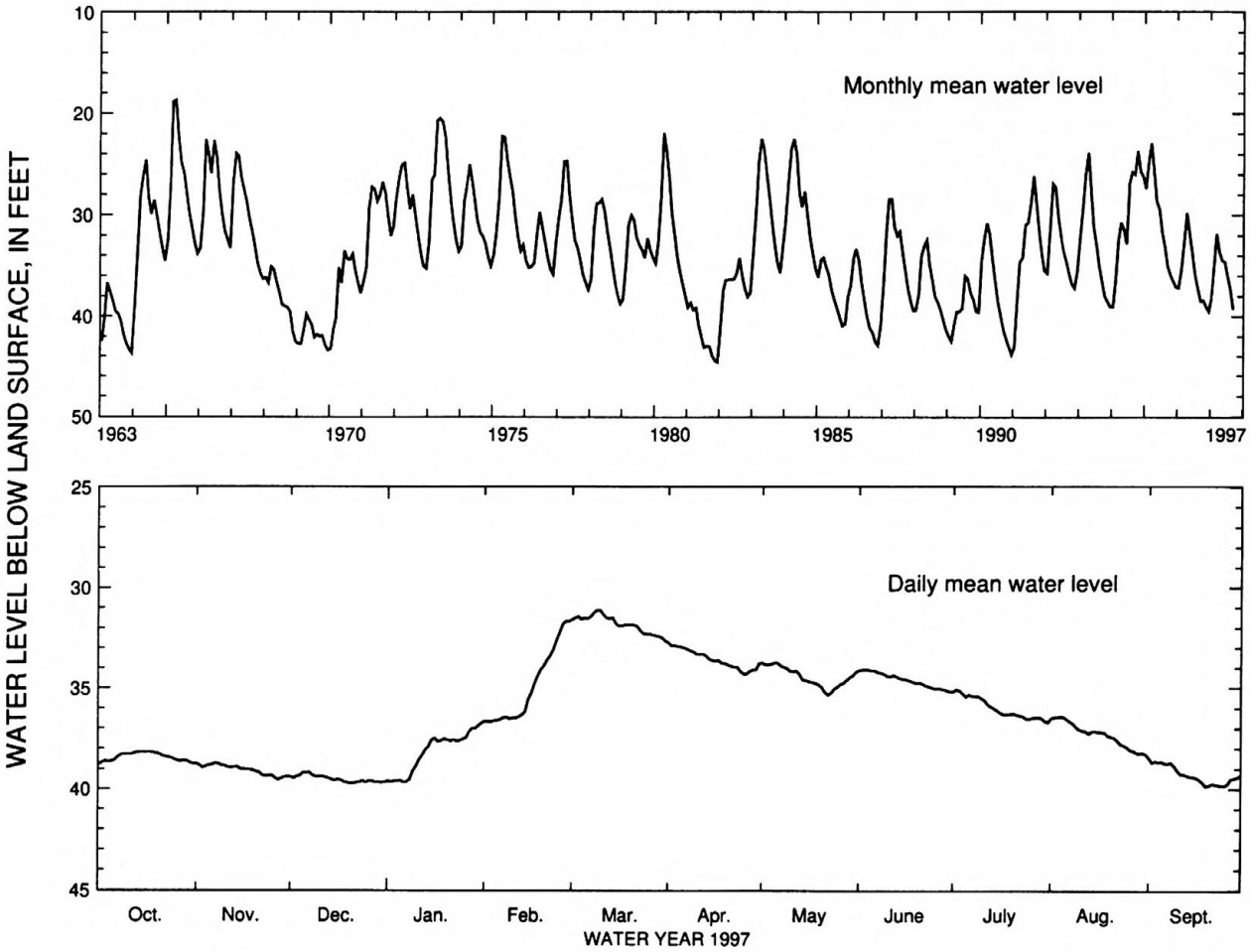
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	143.13	138.35	130.34	127.28	123.00	120.45	122.43	124.21	128.17	133.56	132.79	142.37
MEAN	146.09	141.99	135.74	129.67	127.55	122.25	125.47	128.36	132.84	135.71	138.93	148.80
LOW	148.69	146.31	138.40	131.91	131.49	125.26	129.02	132.18	134.84	137.91	143.10	154.17

WATER YEAR 1997 HIGH 120.45 (Mar. 29, 1997) MEAN 134.47 LOW 154.17 (Sept. 28, 1997)

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.



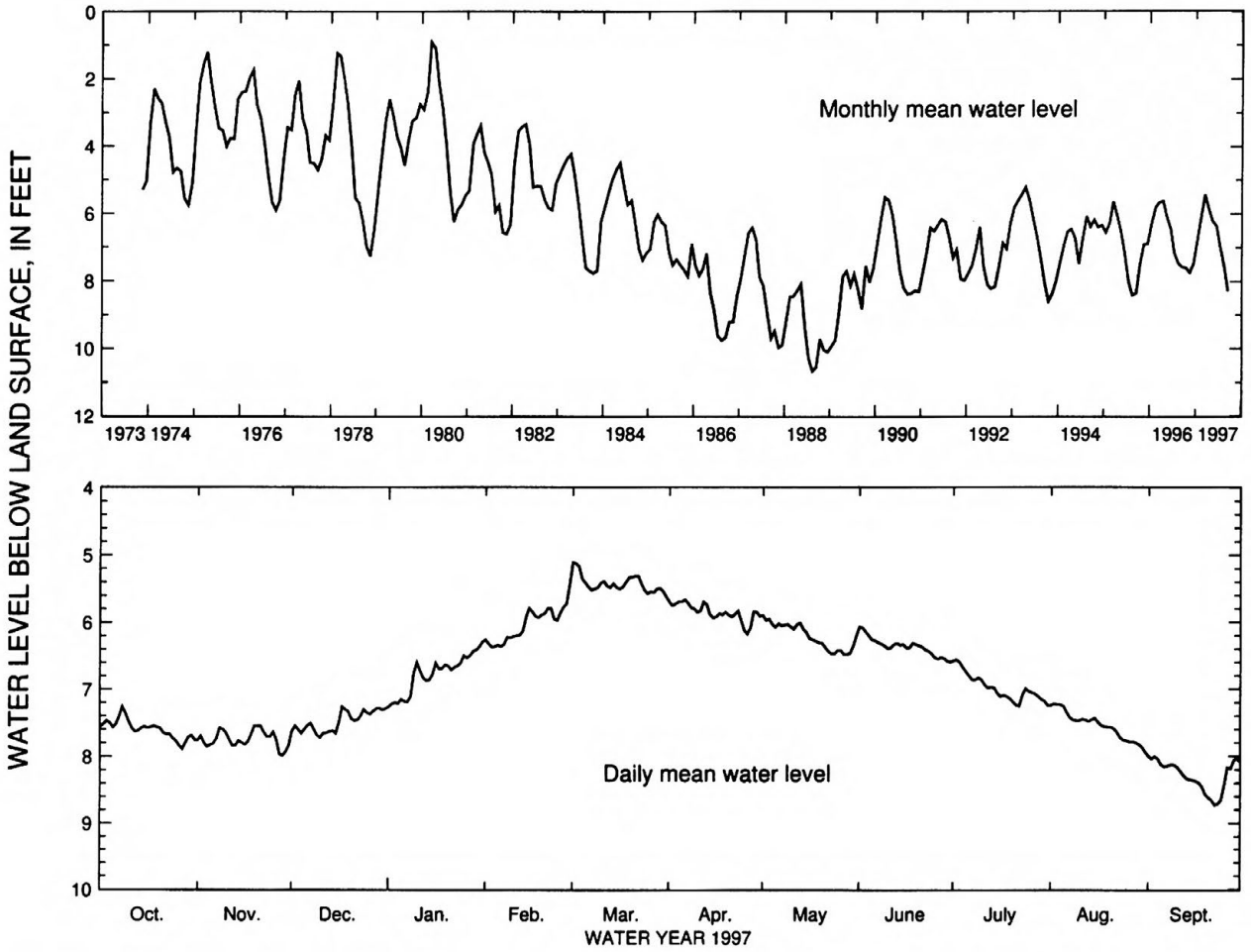
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	38.17	38.72	39.18	36.76	31.67	31.13	32.75	33.75	34.10	35.07	36.43	38.48
MEAN	38.43	39.07	39.52	38.18	34.98	31.82	33.56	34.45	34.60	36.00	37.31	39.29
LOW	38.78	39.54	39.72	39.67	36.68	32.67	34.31	35.34	35.19	36.72	38.28	39.87

WATER YEAR 1997 HIGH 31.13 (Mar. 9-10, 1997) MEAN 36.44 LOW 39.87 (Sept. 19, 1997)

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.



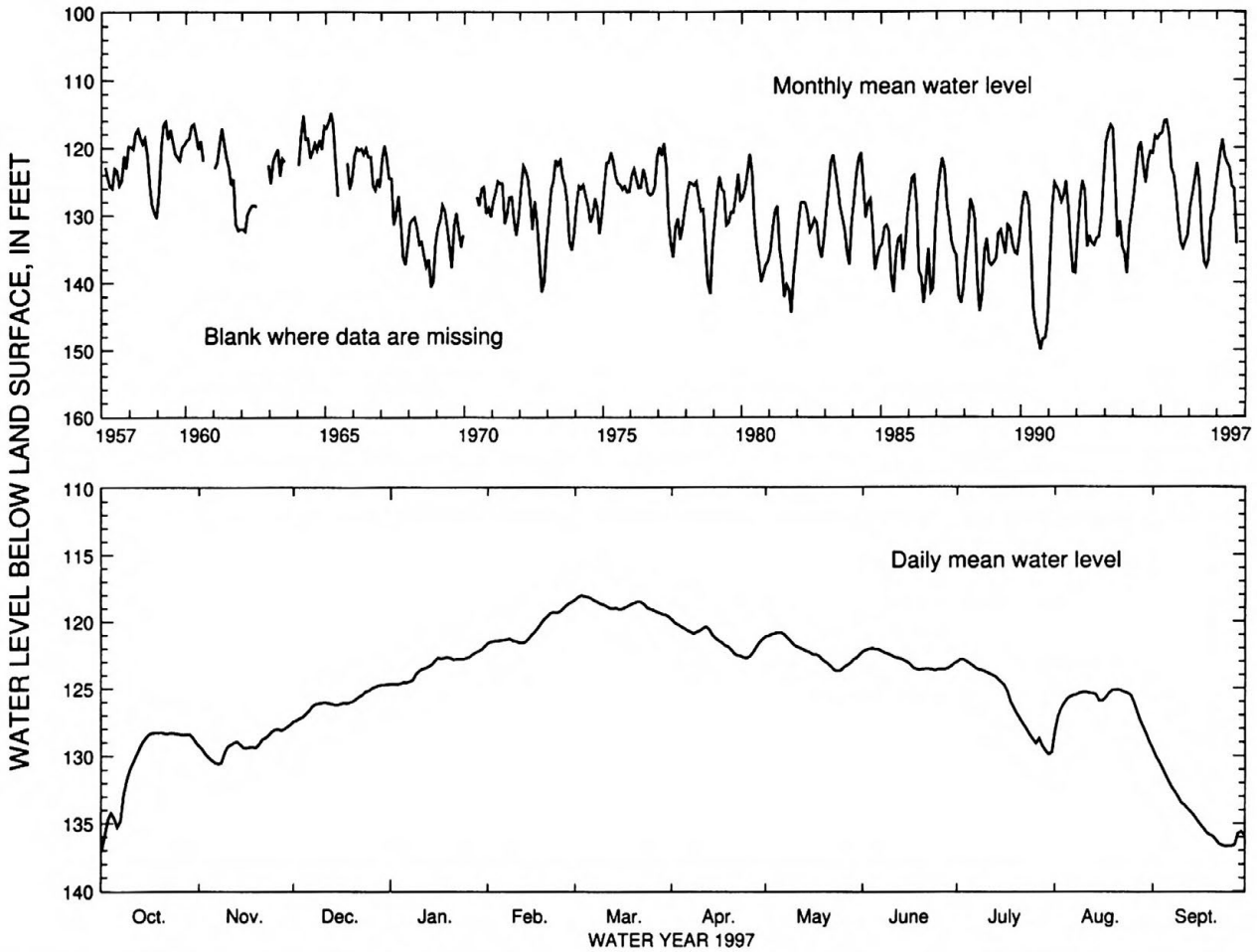
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	7.26	7.55	7.26	6.29	5.43	5.11	5.66	5.90	6.07	6.56	7.22	8.00
MEAN	7.60	7.75	7.48	6.77	6.03	5.42	5.85	6.21	6.36	6.98	7.54	8.29
LOW	7.89	7.99	7.72	7.26	6.37	5.62	6.17	6.48	6.60	7.25	7.94	8.73

WATER YEAR 1997 HIGH 5.11 (Mar. 1, 1997) MEAN 6.86 LOW 8.73 (Sept. 22, 1997)

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.



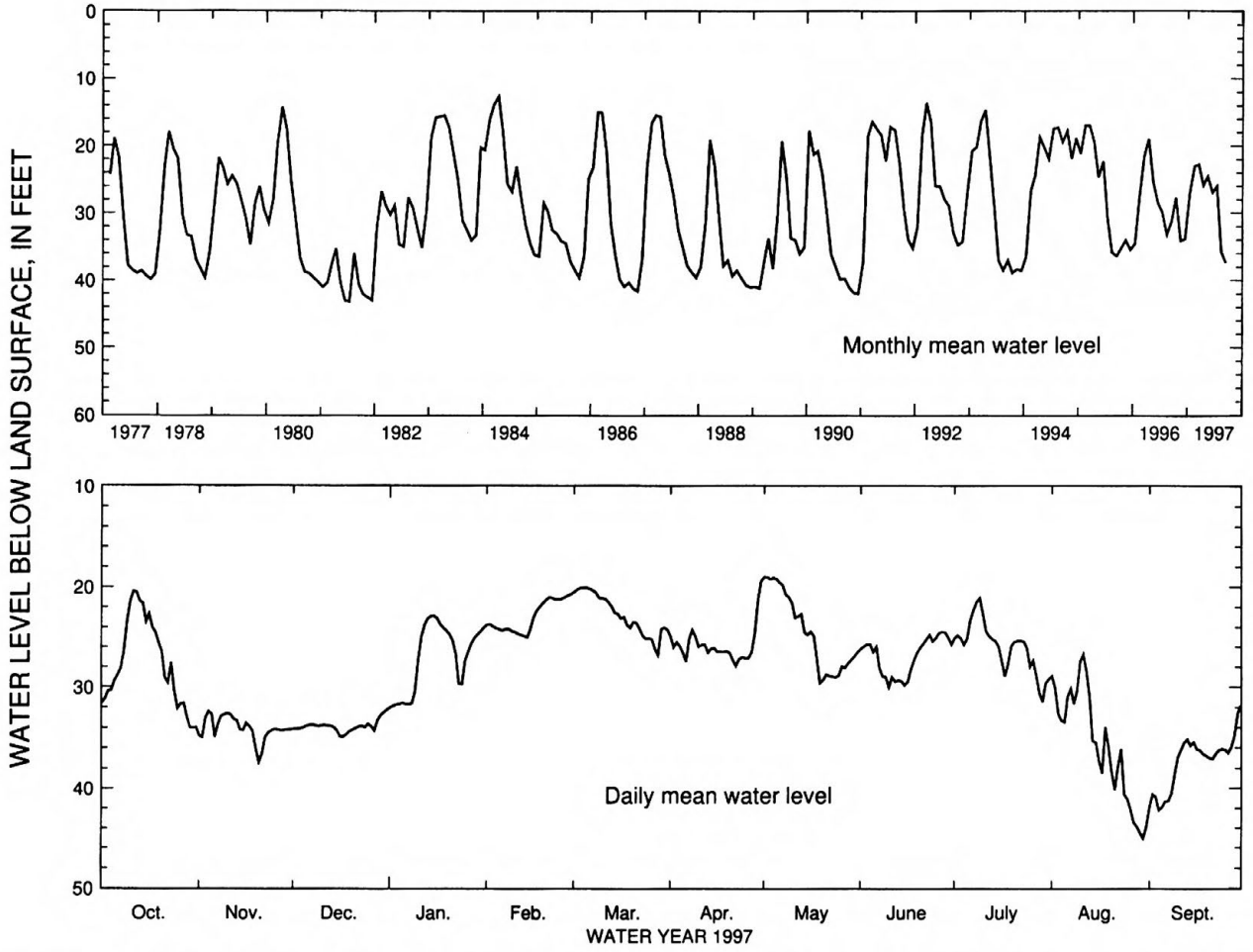
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	128.24	127.66	124.70	121.84	118.50	118.02	119.86	120.84	122.02	122.87	125.13	129.54
MEAN	130.45	129.13	125.94	123.28	120.51	118.79	121.34	122.28	122.97	125.81	126.07	134.25
LOW	136.99	130.57	127.45	124.70	121.61	119.65	122.74	123.69	123.67	129.90	129.04	136.68

WATER YEAR 1997 HIGH 118.02 (Mar. 3, 1997) MEAN 125.09 LOW 136.99 (Oct. 1, 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.—None.
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, 45.07 ft below land-surface datum, August 30, 1997.



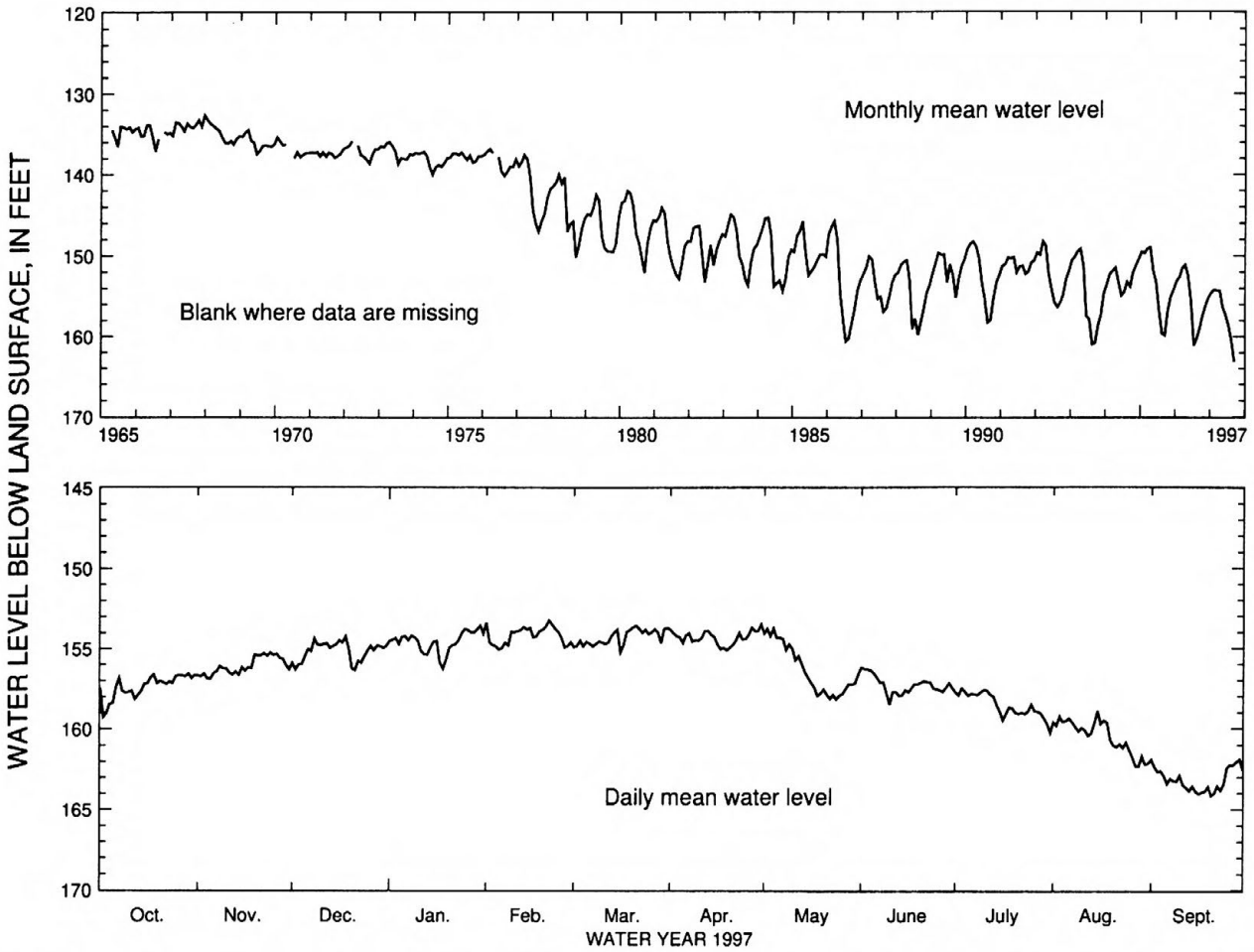
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	20.41	32.41	32.26	22.85	20.71	20.06	19.42	19.01	24.50	21.10	26.75	31.81
MEAN	27.69	34.11	33.89	27.05	22.99	22.75	25.85	24.54	26.93	26.00	35.77	37.38
LOW	34.01	37.41	34.91	32.04	25.04	26.82	27.90	29.61	30.01	31.48	45.07	42.20

WATER YEAR 1997 HIGH 19.01 (May 1, 1997) MEAN 28.77 LOW 45.07 (Aug. 30, 1997)

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, 164.15 ft below land-surface datum, September 20, 1997.



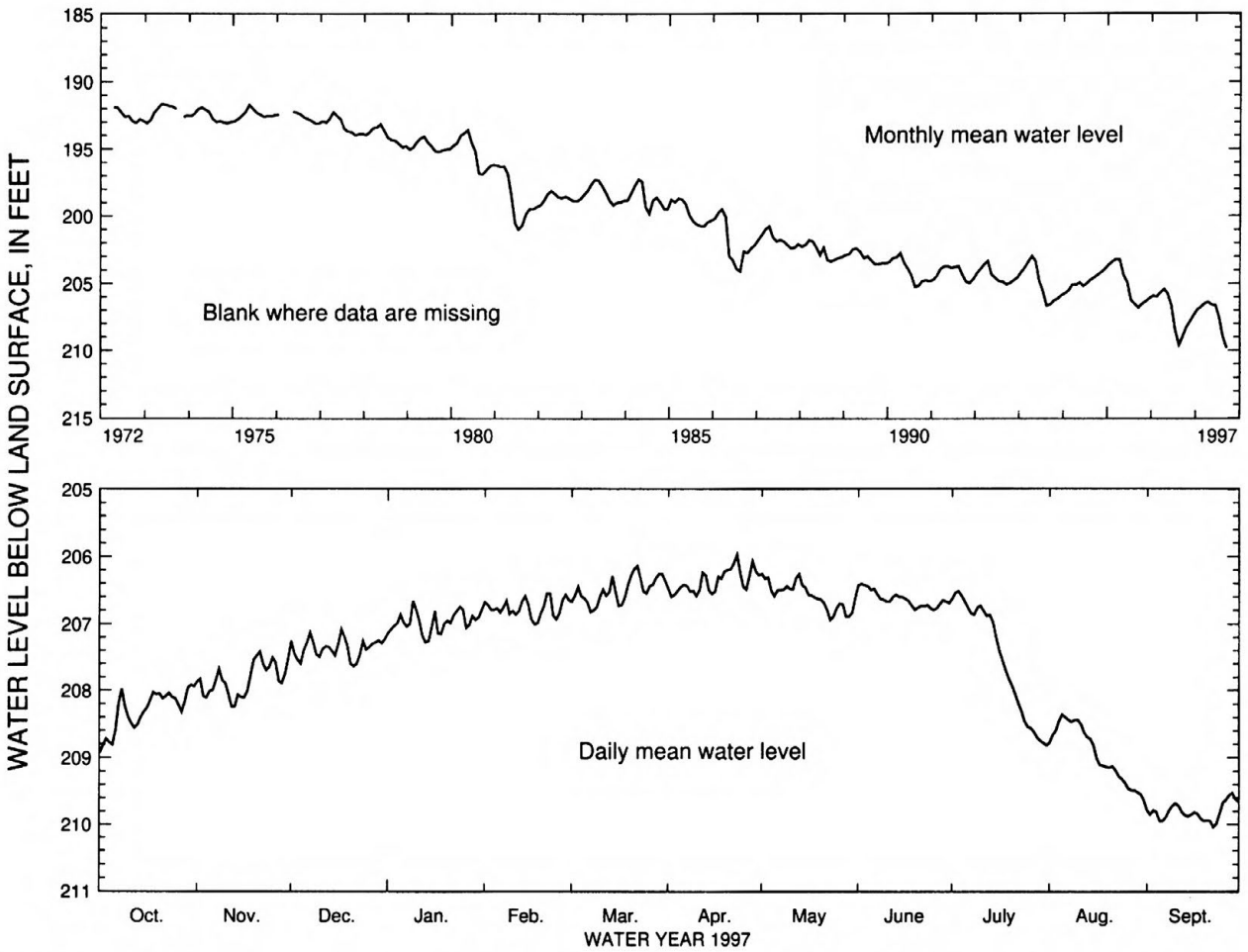
WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	156.55	155.24	154.23	153.56	153.23	153.56	153.50	153.74	156.20	157.50	158.90	161.88
MEAN	157.37	156.09	155.16	154.56	154.17	154.29	154.31	156.31	157.29	158.54	160.47	163.16
LOW	159.27	156.88	156.34	156.26	155.06	155.24	155.11	158.18	158.51	160.26	162.33	164.15

WATER YEAR 1997 HIGH 153.23 (Feb. 21, 1997) MEAN 156.82 LOW 164.15 (Sept. 20, 1997)

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, 210.04 ft below land-surface datum, September 22, 1997.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	207.92	207.42	207.08	206.66	206.55	206.14	205.97	206.26	206.41	206.52	208.36	209.53
MEAN	208.30	207.84	207.37	206.97	206.76	206.50	206.37	206.58	206.63	207.54	208.95	209.81
LOW	208.93	208.24	207.64	207.28	207.00	206.82	206.60	206.94	206.79	208.82	209.64	210.04

WATER YEAR 1997 HIGH 205.97 (Apr. 23, 1997) MEAN 207.47 LOW 210.04 (Sept. 22, 1997)

Page

Access to USGS water data 16
Acre-foot, definition of 17
Adenosine triphosphate, definition of 17
Alacolsy, Jacks River at 245
Alapaha River at Statenville 37-38
Albany, Flint River at 202-203
Algae, definition of 17
Algal growth potential, definition of 17
Alkalinity, definition of 17
Allatoona Reservoir near Cartersville,
contents of 341
Alpharetta, Big Creek near 83-84
Annual 7-day minimum, definition of 18
Apalachicola River Basin,
crest-stage partial-record stations in 353-355
gaging-station records in 56-223
lakes in 224-228
water-quality stations in 58-223
Aquifer, definition of 17
Armuchee, Heath Creek below Rocky Mtn.
Dam site, near 277-278
Armuchee Creek near Rome 279
Arnold Creek tributary near Tifton 352
Artesian, definition of 17
Artificial substrate, definition of 22
Ash mass, definition of 17
Atlanta,
Chattahoochee River at 96-97
Chattahoochee River at Johnson
Ferry Road, at 86-88
Chattahoochee River at State Highway 280, near 109-110
Nancy Creek at West Wesley Road, at 106-108
Peachtree Creek at 98-105
Proctor Creek at Northwest Drive, near 111-113
Attapulgus, Little Attapulgus Creek at 55
Austell, Sweetwater Creek near 116-119

Bacteria, definition of 17
Bainbridge,
Flint River at 219
Flint River below 220-221
Ball Ground, Long Swamp Creek near 286
Bear Creek at State Highway 70, near Rico 136-138
Bed load, definition of 21
Bed load discharge, definition of 21
Bed material, definition of 17
Bemiss, Withlacoochee River at McMillan Road, near 39-40
Big Creek near Alpharetta 83-84
Biochemical oxygen demand, definition of 17
Biomass, definition of 17
Blaine, Talking Rock Creek near 235
Blairsville, Nottely River near 356
Blakely, Temple Creek near 354
Blue-green algae, definition of 20
Blue Ridge, Blue Ridge Lake near, contents of 351
Blue Ridge Lake near Blue Ridge, contents of 351
Bluff Springs Branch near Lumpkin 354
Bottom material, definition of 17
Bowdon, Little Tallapoosa River below 338
Brier Creek near Hiawassee 342-343
Buck Creek near Ellaville 355
tributary near Tazewell 355
Buffalo Creek near Roopville 337
Buford,
Chattahoochee River at Buford Dam, near 72-73
Lake Sidney Lanier near, contents of 224
Richland Creek near 353
Butler, Whitewater Creek near 354
Byromville, Turkey Creek at 2, 194-195

Page

Calhoun, Coosawattee River near 244
Oostanaula River near 276
Calvary, Ochlockonee River near 53-54
Canton, Etowah River at 287-289
Carrollton, Little Tallapoosa River at 336
Cartecay River near Ellijay 229
Carters, Carters Lake near, contents of 339
Carters Re-regulation Dam near, contents of 340
Coosawattee River at 238-240
Carters Lake near Carters, contents of 339
Carters Re-regulation Dam near Carters, contents of 340
Cartersville,
Allatoona Reservoir near, contents of 341
Etowah River at Allatoona Dam, above 292-294
Etowah River near 296-297
Cedar Creek (Apalachacola River Basin) near Rupert 354
Cedar Creek (Mobile River Basin) at Cedartown 314-315
near Cedartown 316
Cedartown, Cedar Creek at 314-315
Cedar Creek near 316
Cells/volume, definition of 18
Cemochechobee Creek near Coleman 354
Cfs-day, definition of 18
Charlton County, ground-water levels in 367
Chatsworth, Holly Creek below 257
Holly Creek near 2, 255-256
Chattahoochee, Fla., Lake Seminole at, contents of 228
Chattahoochee River above Roswell 81-82
at Atlanta 96-97
at Buford Dam, near Buford 72-73
at Coast Guard Dock at Eufaula, Ala ..... .174
at Columbus 167-169
at Franklin 151-154
at Helen 56-57
at Johnson Ferry Road, near Atlanta 86-88
at Morgan Falls Dam, at Sandy Springs 85
at State Highway 280, near Atlanta 109-110
at West Point 164-166
near Columbia, Ala. 175-176
near Cornelia 58-60
near Fairburn 123-135
near LaGrange 160-161
near Leaf 353
near Omaha 172-173
near Norcross 76-77
near Steam Mill 177-178
near Whitesburg 146-150
Chattanooga Creek at Burnt Mill Road,
at St. Elmo, Tenn. 346
Chattanooga, Tenn., McFarland Spring Branch
at State/Line Road, at 347
Chattooga River at Chattoogaville 332-333
at Summerville 329-331
Chattoogaville, Chattooga River at 332-333
Chemical oxygen demand, definition of 18
Chestatee River near Dahlonega 69-71
Chickasawhatchee Creek at Elmodel 213-214
Chlorophyll, definition of 18
Choctahatchee Creek tributary near Plains 355
Clermont, West Fork Little River near 61-66
Clyattville, Withlacoochee River near 51-52
Coahulla Creek near Dalton 254
Coleman, Cemochechobee Creek near 354
Coleoatchee Creek near Manchester 354
Collection and computation of stage and
water-discharge data 7-8
Collection of water-quality data 12
Collection and computation of
ground-water-level data 14

Page

Collector efficiency, definition of....18
Color unit, definition of....18
Colquitt, Spring Creek at....355
Columbia, Ala., Chattahoochee River near....175-176
Columbus,
  Chattahoochee River at....167-169
  Lake Harding near, contents of....226
  Upatoi Creek near....170-171
Conasauga River at Tilton....258-270
  near Dalton....251-253
  near Dawnville....355
  near Eton....247-248
  near Resaca....271
  near Tennga....246
Contents, definition of....18
Control, definition of....18
Control structure, definition of....18
Cook County, ground-water levels in....368
Coolidge, Ochlockonee River near....352
  Ochlockonee River tributary near....352
Cooperation....1
Coosa, Coosa River at State Highway 100, near....312-313
  Coosa River near....317-327
Coosa River at State Highway 100, near Coosa....312-313
  near Coosa....317-327
  near Rome....306-311
Coosawattee River at Carters....238-240
  near Calhoun....244
  near Ellijay....230-232
  near Pine Chapel....242-243
Corinth, New River near....156-159
Cornelia, Chattahoochee River near....58-60
Crandall, Mill Creek near....249-250
Crooked Creek tributary No. 2 near Norcross....353
Cubic foot per second, definition of....18
Cubic feet per second per square mile, definition of....18
Culloden, Flint River near....188-189
Cusseta, Ochillee Creek near....354

Dahlonega, Chestatee River near....69-71
Dallas, McClendon Creek tributary near....356
Dalton, Coahulla Creek near....254
  Conasauga River near....251-253
Dawnville, Conasauga River near....353
Dawson, Kinchafoonee Creek near....198-199
Dawsonville, Etowah River near....285
Decatur County, ground-water levels in....369
Deep Creek at State Highway 70, near Tell....120-122
Definition of terms....17-23
Diatoms, definition of....20
Dicks Creek near Neels Gap....67-68
Discharge, definition of....18
Dissolved, definition of....18
Dissolved-solids concentration, definition of....18
Dougherty County, ground-water levels in....370-372
Downstream order system....7
Drainage area, definition of....18
Drainage basin, definition of....18
Dry mass, definition of....17

Edison, Pachitla Creek near....209-210
Ellaville, Buck Creek near....355
Ellijay, Cartecay River near....229
  Coosawattee River near....230-232
Elmodel, Chickasawhatchee Creek at....213-214
  Ichawaynochaway Creek near....215-216
Emerson, Pumpkinvine Creek near....295
Eton,
  Conasauga River near....247-248
  Pinhook Creek near....355

Page

Etowah River at Allatoona Dam, above Cartersville....292-294
  at Canton....287-289
  at Rome....305
  at State Highway 1 Loop, near Rome....303-304
  near Cartersville....296-297
  near Dawsonville....285
  near Euharlee....299-300
Eufaula, Ala., Chattahoochee River at Coast Guard Dock, at....174
Euharlee Creek at Rockmart....356
  near Stilesboro....298
Euharlee, Etowah River near....299-300
Explanation of records....6-15

Fairburn, Chattahoochee River near....123-135
Fairplay, Hurricane Creek tibutary near....353
Fargo, Suwannee River at....33-36
Fausett Creek near Talking Rock....233-234
Fecal coliform bacteria, definition of....17
Fecal streptococcal bacteria, definition of....17
Felton, Tallapoosa River near....334
Flat Shoal Creek near West Point....353
Flint River above Griffin....181-183
  at Albany....202-203
  at Bainbridge....219
  at Montezuma....190-193
  at Newton....206-208
  at State Highway 32, near Oakfield....196-197
  below Bainbridge....220-221
  near Culloden....3, 188-189
  near Griffin....2, 184-185
  near Lovejoy....179-180
  near Putney....204-205
Fort Gaines, Walter F. George Lake near, contents of....227
Franklin,
  Chattahoochee River at....151-154
  Hillabahatchee Creek near....155
Fulton County, ground-water levels in....373

Gage height, definition of....18
Gaging station, definition of....18
  list of active and discontinued....357-363
Geneva, Juniper Creek near....353
Green algae, definition of....20
Griffin,
  Flint River above....181-183
  Flint River near....2, 184-185
Ground water, summary of hydrologic conditions....4
Ground-water levels,
  data collection and computation of....14
  data presentation of....14-15
  explanation of records of....14-15
  list of records published in this report, by county....ix
  records of....14

Hardness, definition of....19
Harrisburg Creek near Hawkins....356
Hawkins, Harrisburg Creek near....356
Heath Creek below Rocky Mountain Damsite, near Armuchee....277-278
Helen, Chattahoochee River at....56-57
Hiawassee, Brier Creek near....342-343
Hiawassee River at Presley....356
Hillabahatchee Creek near Franklin....155
Hinton, Talking Rock Creek near....236-237
Hogansville, Yellowjacket Creek near....162-163
Holly Creek below Chatsworth....257
  near Chatsworth....2, 255-256
Horsehead Creek near Montezuma....355

Page

Hurricane Creek tributary near Fairplay 353
Hydrologic bench-mark network, definition of 19
explanation of 6
Hydrologic conditions, summary of 2-5
Hydrologic conditions, graph of surface water 3
Hydrologic unit, definition of 19

Ichawaynochaway Creek at Milford 2, 211-212
below Newton 217-218
near Elmodel 215-216
Instantaneous discharge, definition of 18
Introduction 1
Iron City, Spring Creek near 2, 222-223
Ivylog, Nottely Lake near, contents of 350

Jacks River at Alacolsy 245
Johns Creek at Buice Road, near Warsaw 78-80
Juniper, Pine Knot Creek near 354
Juniper Creek near Geneva 353

Kinchafoonee Creek at Preston 355
near Dawson 198-199
Kingston, Two Run Creek near 301-302

LaGrange, Chattahoochee River near 160-161
Lake Harding near Columbus, contents of 226
Lake Seminole at Chattahoochee, Fla., contents of 228
Lake Sidney Lanier near Buford, contents of 224
Lakes and Reservoirs:
Allatoona Reservoir, contents of 341
Blue Ridge Lake, contents of 351
Carters Lake, contents of 339
Carters Re-regulation Dam, contents of 340
Harding Lake, contents of 226
Nottely Lake, contents of 350
Seminole, Lake, contents of 228
Sidney Lanier, Lake, contents of 224
Walter F. George Lake, contents of 227
West Point Lake, contents of 225
Lakeview, West Chickamauga Creek near 344-345
Land surface datum, definition of 19
Lazar Creek near Talbotton 354
Leaf, Chattahoochee River near 352
Leesburg, Muckalee Creek at State Highway 195, near 200-201
Level Creek near Suwanee 353
Line Creek near Senoia 2, 186-187
Little Attapulgus Creek at Attapulgus 55
Little River (Mobile River Basin) near Woodstock 290
Little River (Suwannee River Basin) near Statenville 352
near Tifton 41-43
Little Ochlockonee River near Moultrie 352
Little Tallapoosa River at Carrollton 336
below Bowdon 338
Long Swamp Creek near Ball Ground 286
Lookout Creek near New England 348-349
Lovejoy, Flint River near 179-180
Lowndes County, ground-water levels in 374
Lumpkin, Bluff Springs Branch near 354

McClendon Creek tributary near Dallas 356
McFarland Spring Branch at State/Line Road, at Chattanooga, Tenn 347
Mableton, Nickajack Creek at US Highways 78 and 278, near 114-115
Manchester, Coleoatchee Creek near 354
Mann Creek tributary near Tallapoosa 356

Page

Map showing location of crest-stage partial-record gaging stations 28
Map showing location of gaging stations 27
Map showing location of ground-water level observation wells 30
Map showing location of water-quality sampling stations 29
Marietta, Sope Creek near 89-95
Mean concentration, definition of 21
Mean discharge, definition of 18
Measuring point, definition of 19
Metamorphic stage, definition of 19
Methylene blue active substances, definition of 19
Micrograms per gram, definition of 19
Micrograms per liter, definition of 19
Milford, Ichawaynochaway Creek at 2, 211-212
Mill Creek (Apalachicola River Basin) near Suwanee 353
Mill Creek (Mobile River Basin) near Crandall 249-250
Miller County, ground-water levels in 375
Milligrams per liter, definition of 19
Mobile River Basin,
crest-stage partial-record stations in 355-356
gaging-station records in 230-331
lakes and reservoirs in 333-341
water-quality stations in 229-338
Montezuma,
Flint River at 190-193
Horsehead Creek near 355
Moultrie, Little Ochlockonee River near 352
Muckalee Creek at State Highway 195, near Leesburg 200-201
Mulberry Creek near Mulberry Grove 353
Mulberry Grove, Mulberry Creek near 353

Nancy Creek at West Wesley Road, at Atlanta 106-108
National Geodetic Vertical Datum of 1929, definition of 19
National stream-quality accounting network (NASQAN), definition of 19
explanation of 6
National trends network (NTN), definition of 19
explanation of 6
National water-quality assessment program (NAWQA), definition of 19
explanation of 6
Natural substrate, definition of 22
Neels Gap, Dicks Creek near 67-68
New England, Lookout Creek near 348-349
New River near Corinth 156-159
Newton,
Flint River at 206-208
Ichawaynochaway Creek below 217-218
Nickajack Creek at US Highways 78 and 278, near Mableton 114-115
Noonday Creek near Woodstock 291
Norcross,
Chattahoochee River near 76-77
Crooked Creek tributary No. 2 near 353
Nottely Lake near Ivylog, contents of 350
Nottely River near Blairsville 356

Oakfield, Flint River at State Highway 32, near 196-197
Ochillee Creek near Cusseta 354
Ochlockonee River near Calvary 53-54
near Coolidge 352
tributary near Coolidge 352
Ochlockonee River Basin,
crest-stage partial-record stations in 352
gaging-station records in 55
water-quality stations in 53-54
Okapilco Creek at State Highway 33, near Quitman 49-50

Page

Omaha, Chattahoochee River near....172-173
Oostanaula River at Resaca....272-274
at Rome....282-283
at 5th Avenue, at Rome....284
below Resaca....275
near Calhoun....276
near Rome....280-281
Organic mass, definition of....17
Organism, definition of....19
Organism count/area, definition of....19
Organism count/volume, definition of....20
Other records available....12
Pachitla Creek near Edison....209-210
Parameter code, definition of....20
Partial-record station, definition of....20
Particle size, definition of....20
Particle size classification, definition of....20
Peachtree Creek at Atlanta....98-105
Percent composition, definition of....20
Periphyton, definition of....20
Pesticides, definition of....20
Phytoplankton, definition of....20
Picocurie, definition of....20
Pine Chapel, Coosawattee River near....242-243
Pine Knot Creek near Juniper....354
Pine Log Creek at Sonoraville....241
Pinhook Creek near Eton....355
Plains, Choctahatchee Creek tributary near....355
Plankton, definition of....20
Popple Branch near Whigham....352
Precipitation quality data presentation....15
on-site measurements and sample collection....15
Presley, Hiawassee River at....356
Preston, Kinchafoonee Creek at....355
Primary productivity, definition of....21
Proctor Creek at Northwest Drive, near Atlanta....111-113
Publications on techniques of Water-Resources Investigations....24-26
Pumpkinvine Creek near Emerson....295
Putney, Flint River near....204-205

Quitman,
Okapilco Creek at State Highway 33, near....49-50
Withlacoochee River near....44-48

Radiochemical program, explanation of....6
definition of....21
Randolph County, ground-water levels in....376
Recoverable from bottom material, definition of....21
Resaca,
Conasauga River near....271
Oostanaula River at....272-274
Oostanaula River below....275
Reservoirs, See Lakes and reservoirs
Return period, definition of....21
Richland Creek near Buford....353
Rico, Bear Creek at State Highway 70, near....136-138
Rockmart, Euharlee Creek at....356
Rome,
Armuchee Creek near....279
Coosa River near....306-311
Etowah River at....305
Etowah River at State Highway 1 Loop, near Rome....303-304
Oostanaula River at....282-283
Oostanaula River at 5th Avenue, at....284
Oostanaula River near....280-281
Roopville, Buffalo Creek near....337
Roswell, Chattahoochee River above....81-82
Runoff in inches, definition of....21

Page

Rupert, Cedar Creek near....354
St. Elmo, Tenn., Chattanooga Creek at Burnt Mill Road, at....346
Sandy Springs, Chattahoochee River at Morgan Falls Dam, at....85
Sea level, definition of....21
Sediment, definition of....21
explanation of....13
Senoia, Line Creek near....2, 186-187
Snake Creek near Whitesburg....139-145
Sodium-adsorption-ratio, definition of....21
Solute, definition of....22
Sonoraville, Pine Log Creek at....241
Sope Creek near Marietta....89-95
Special networks and programs....6
Specific conductance, definition of....22
Spring Creek (Apalachicola River Basin) at Colquitt....355
near Iron City....2, 222-223
Spring Creek (Mobile River Basin) near Trion....328
Stage and water discharge,
accuracy of records of....11-12
data collection and computation of....7-8
data presentation of....8-12
explanation of records of....7-12
identifying estimated daily discharge of....11
other records available of....12
records of....7
Stage-discharge relation, definition of....21
Statenville,
Alapaha River at....3, 37-38
Little River near....352
Station identification numbers, explanation of....6
downstream order system of....7
latitude-longitude system of....7
Steam Mill, Chattahoochee River near....177-178
Stilesboro, Euharlee Creek near....298
Streamflow, definition of....22
Summary of hydrologic conditions of....2
Substrate, definition of....22
Summerville, Chattooga River at....329-331
Surface area, definition of....22
Surface-water stations, list of active and discontinued....357-363
list of records published in this report, in downstream order....vi-viii
Surface water-quality, classification of....12
data presentation of....13
explanation of records of....12-13
laboratory measurements of....13
list of active and discontinued monitoring stations....364-366
on-site measurement and sample collection of....12
records of....12
remarks codes....14,31
sediment....13
water temperature of....12
Surficial bed material, definition of....22
Suspended, definition of....22
Suspended, recoverable, definition of....22
Suspended, total, definition of....22
Suspended sediment, definition of....21
Suspended-sediment concentration, definition of....21
Suspended-sediment discharge, definition of....21
Suspended-sediment load, definition of....21
Suwanee Creek near Suwanee....74-75
Suwanee,
Level Creek near....353
Mill Creek near....353
Suwanee Creek near....74-75
Suwannee River at Fargo....33-36

Page

Suwannee River Basin,
crest-stage partial-record stations in ... 352
gaging-station records in ... 33-50
water-quality stations in ... 33-52
Sweetwater Creek near Austell ... 116-119

Talbotton, Lazar Creek near ... 354
Talking Rock, Fausett Creek near ... 233-234
Talking Rock Creek near Blaine ... 235
near Hinton ... 236-237
Tallapoosa,
Mann Creek tributary near ... 356
Tallapoosa River below ... 335
Tallapoosa River below Tallapoosa ... 335
near Felton ... 334
Taxonomy, definition of ... 22
Tazewell, Buck Creek tributary near ... 355
Techniques of water-resources investigations,
publications on ... 24-26
Tell, Deep Creek at State Highway 70, near ... 120-122
Temple Creek near Blakely ... 354
Tennessee River Basin,
crest-stage partial record stations in ... 356
gaging-station records in ... 342-349
lakes in ... 350-351
water-quality stations in ... 344-347
Tennga, Conasauga River near ... 246
Thermograph, definition of ... 22
Tifton,
Arnold Creek tributary near ... 352
Little River near ... 41-43
Tilton, Conasauga River at ... 258-270
Time-weighted average, definition of ... 23
Tons per acre-foot, definition of ... 23
Tons per day, definition of ... 23
Total, definition of ... 23
Total, recoverable, definition of ... 23
Total coliform bacteria, definition of ... 17
Total discharge, definition of ... 23
Total organism count, definition of ... 20
Total-sediment discharge, definition of ... 21
Total-sediment load, definition of ... 21
Trion, Spring Creek near ... 328

Page

Tritium network, definition of ... 23
explanation of ... 6
Turkey Creek at Byromville ... 2, 194-195
Two Run Creek near Kingston ... 301-302

Upatoi Creek near Columbus ... 170-171

Walter F. George Lake near Fort Gaines, contents of ... 227
Warsaw, Johns Creek at Buice Road, near ... 78-80
Water quality, summary of hydrologic conditions of ... 4
Water-quality monitoring stations, list of active and
discontinued ... 364-366
Water use, summary of hydrologic conditions of ... 4
Water year, definition of ... 23
WDR, definition of ... 23
Weighted average, definition of ... 23
Wells and miscellaneous sites,
system for numbering, illustration of ... 7
West Chickamauga Creek near Lakeview ... 344-345
West Fork Little River near Clermont ... 61-66
West Point,
Chattahoochee River at ... 164-166
Flat Shoal Creek near ... 353
West Point Lake near, contents of ... 225
West Point Lake near West Point, contents of ... 225
Wet mass, definition of ... 17
Whigham, Popple Branch near ... 352
Whitesburg,
Chattahoochee River near ... 146-150
Snake Creek near ... 139-145
Whitewater Creek near Butler ... 354
Withlacoochee River at McMillan Road, near Bemiss ... 39-40
near Clyattville ... 51-52
near Quitman ... 44-48
Woodstock,
Little River near ... 290
Noonday Creek near ... 291
Worth County, ground-water levels in ... 377
WSP, definition of ... 23

Yellowjacket Creek near Hogansville ... 162-163

Zooplankton, definition of ... 20

☆U.S. GOVERNMENT PRINTING OFFICE:1998-746-062/99020

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
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
	Area	
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
	Volume	
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
	Flow	
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
	Mass	
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.

USGS LIBRARY - RESTON
3 1818 00300178 9

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
Peachtree Business Center, Suite 130
3039 Amwiler Road
Atlanta, GA 30360-2824