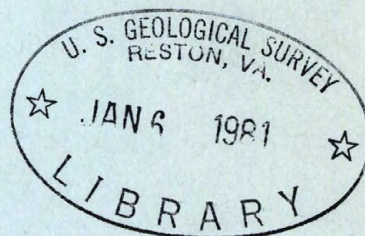


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Water Resources Data for Georgia Water Year 1975



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-75-1

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

BIBLIOGRAPHIC DATA SHEET	1. Report No. USGS/WRD/HD-76/006	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Georgia, 1975		5. Report Date February 1976	
		6.	
7. Author(s)		8. Performing Organization Rept. No. USGS-WDR-GA-75-1	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 6481 Peachtree Industrial Boulevard, Suite B Doraville, Georgia 30340		10. Project/Task/Work Unit No.	
		11. Contract/Grant No.	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 6881 Peachtree Industrial Boulevard, Suite B Doraville, Georgia 30340		13. Type of Report & Period Covered Annual-Oct. 1, 1974 to Sept. 30, 1975	
		14.	
15. Supplementary Notes Prepared in cooperation with the State of Georgia and with other agencies.			
16. Abstracts Water resources data for the 1975 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs. This report contains discharge records for 91 gaging stations; stage only records for one gaging station; stage and contents for 16 lakes and reservoirs; water quality for 16 continuous stations and 78 periodic stations. Also included are 99 crest-stage partial-record stations and two low-flow partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.			
17. Key Words and Document Analysis. 17a. Descriptors *Georgia, *Hydrologic data, *Surface water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses Sediments, Water temperature, Sampling sites, Water levels, Water analyses			
17b. Identifiers/Open-Ended Terms			
17c. COSATI Field/Group			
18. Availability Statement No restrictions on distribution. This report may be purchased from: National Technical Information Service Springfield, Virginia 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 379
		20. Security Class (This Page) UNCLASSIFIED	22. Price

Water Resources Data for Georgia Water Year 1975



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-75-1

**Prepared in cooperation with the State of Georgia and with
other agencies**

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

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Prepared in cooperation with

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This report was prepared by the U.S. Geological Survey in cooperation with the State of Georgia and with other agencies by personnel of the Georgia district of the Water Resources Division under the supervision of J. R. George, District Chief, and L. B. Laird, Regional Hydrologist, Southeastern Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

CONTENTS

V

Page

List of gaging stations, in downstream order, for which records are published.....	VI
Introduction.....	1
Cooperation.....	2
Definition of terms.....	3
Special networks and programs.....	8
Downstream order and station numbers.....	8
Explanation of surface-water records.....	9
Collection and computation of data.....	9
Accuracy of data.....	13
Publications.....	14
Other data available.....	15
Explanation of water-quality records.....	15
Collection and examination of data.....	15
Solutes.....	16
Temperature.....	18
Sediment.....	19
Publications.....	20
Hydrologic conditions.....	21
Selected references.....	22
Gaging-station records.....	30
Discharge at partial-record stations and miscellaneous sites:	
Low-flow partial-record stations.....	355
Crest-stage partial-record stations.....	356
Measurements at miscellaneous sites.....	362
Analyses of samples collected at miscellaneous sites.....	363
Index.....	365

ILLUSTRATIONS

Page

Figure 1. Map showing location of gaging stations.....	26
2. Map showing location of partial-record stations.....	27
3. Map showing location of water-quality sampling stations.....	28
4. Graph of comparison of discharge at three long- term gaging stations.....	29

	Page
Table 1. Factors for conversion of chemical constituents in milligrams or micrograms per litre.....	5
2. Factors for conversion of sediment concentration in milligrams per litre to parts per million.....	6
3. Analytical methods.....	17
4. Degrees Celsius ($^{\circ}\text{C}$) to degrees Fahrenheit ($^{\circ}\text{F}$).....	18
5. Factors for converting English units to International System (SI) units.....	25

[Letters after station names designate type of data:

(d), discharge; (c), chemical; (t), water temperature; (s), sediment]

Page

SAVANNAH RIVER BASIN

Chattooga River (head of Savannah River) near Clayton (dcs).....	30
Tallulah River near Clayton (dct).....	32
Tugaloo River (continuation of Chattooga River):	
Savannah River near Iva, S.C. (dc).....	35
South Beaverdam Creek at Dewy Rose (d).....	37
Savannah River near Calhoun Falls, S.C. (d).....	38
Broad River:	
Hudson River at Homer (d).....	39
Long Cane Creek:	
Macks Creek:	
Macks Creek tributary No. 2 near Lexington (d).....	40
Broad River near Bell (dcs).....	41
Savannah River:	
Butler Creek at Fort Gordon (d).....	43
Savannah River at Augusta (d).....	44
Savannah River near Jackson, S.C. (dt).....	45
Savannah River at Burtons Ferry Bridge, near Millhaven (c).....	47
Brier Creek near Thomson (d).....	49
Brushy Creek near Wrens (d).....	50
Brier Creek near Waynesboro (d).....	51
Brier Creek at Millhaven (dc).....	52
Savannah River near Clyo (dcs).....	54
Lakes and reservoirs in Savannah River basin.....	58

OGEECHEE RIVER BASIN

Ogeechee River at Scarboro (c).....	60
Ogeechee River near Oliver (c).....	61
Ogeechee River near Eden (dcts).....	63
Canoochee River near Claxton (dc).....	68

NORTH NEWPORT RIVER BASIN

Peacock River (head of North Newport River) at McIntosh (dc).....	70
Riceboro Creek near Riceboro (c).....	72
Riceboro Creek at Riceboro (c).....	73
North Newport River near Seabrook (c).....	74
North Newport River at Halfmoon Landing (ct).....	75

ALTAMAHA RIVER BASIN

South River (head of Altamaha River):	
Yellow River:	
Wildcat Creek near Lawrenceville (d).....	80
Yellow River near Snellville (c).....	81
Yellow River at Milstead (c).....	82
Yellow River at Porterdale (c).....	84
Yellow River near Stewart (c).....	86
Ocmulgee River (continuation of South River):	
Alcovy River above Covington (dt).....	88
Alcovy River above Stewart (c).....	90

VIII GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

Page

ALTAMAHA RIVER BASIN--Continued

Ocmulgee River near Jackson (c).....	92
Towaliga River:	
Little Towaliga River:	
Big Towaliga Creek near Barnesville (d).....	94
Ocmulgee River at Juliette (d).....	95
Falling Creek near Juliette (dcts).....	97
Ocmulgee River above Macon (c).....	101
Ocmulgee River at Macon (d).....	103
Walnut Creek near Gray (d).....	104
Tobesofkee Creek near Macon (d).....	105
Ocmulgee River near Warner Robins (ct).....	106
Ocmulgee River near Bonaire (c).....	111
Ocmulgee River at Abbeville (c).....	113
Ocmulgee River at Lumber City (dc).....	115
Ocmulgee River tributary near Lumber City (d).....	117
Pond Fork (head of Oconee River):	
Middle Oconee River (continuation of Pond Fork) near Athens (d)...	118
North Oconee River above Athens (c).....	119
Oconee River near Watkinsville (c).....	121
Oconee River near Greensboro (dc).....	123
Apalachee River near Buckhead (d).....	125
Shoulderbone Creek:	
Whitten Creek near Sparta (d).....	126
Oconee River at Milledgeville (dc).....	127
Oconee River near Hardwick (c).....	129
Oconee River at Dublin (d).....	131
Oconee River at I-16, near Dublin (c).....	132
Turkey Creek:	
Rocky Creek near Dudley (dc).....	133
Altamaha River near Baxley (dct).....	135
Ochopee River near Reidsville (dc).....	142
Altamaha River near Jesup (c).....	144
Altamaha River at Doctortown (dcts).....	146
Altamaha River near Gardi (c).....	151
Penholoway Creek near Jesup (dc).....	152
Altamaha River near Everett City (ct).....	154
Reservoirs in Altamaha River basin.....	160
<u>SATILLA RIVER BASIN</u>	
Satilla River at Waltertown (c).....	161
Satilla River near Waycross (d).....	163
Satilla River near Hoboken (c).....	164
Little Satilla River near Offerman (d).....	166
Satilla River at Atkinson (dcts).....	167
<u>ST. MARYS RIVER BASIN</u>	
North Prong St. Marys River at Moniac (d).....	172
St. Marys River near Macclenny, Fla. (dcs).....	173
St. Marys River at Boulogne, Fla. (c).....	178

GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IX

Page

SUWANNEE RIVER BASIN

Suwannee River at Fargo (dc).....	180
Alapaha River near Alapaha (dcs).....	182
Alapaha River at Statenville (d).....	184
Withlacoochee River above Valdosta (c).....	185
Withlacoochee River near Valdosta (c).....	186
Okapilco Creek near Quitman (c).....	187
Withlacoochee River near Clyattsville (c).....	188

OCHLOCKONEE RIVER BASIN

Ochlockonee River near Calvary (c).....	189
---	-----

APALACHICOLA RIVER BASIN

Chattahoochee River (head of Apalachicola River) near Cornelia (dc)..	191
Chestatee River near Dahlonga (d).....	193
Chattahoochee River at Buford Dam, near Buford (d).....	194
Chattahoochee River near Norcross (d).....	195
Big Creek near Alpharetta (d).....	196
Chattahoochee River at Atlanta (dcs).....	197
Peachtree Creek at Atlanta (dcs).....	202
Sweetwater Creek near Austell (dcs).....	210
Chattahoochee River near Fairburn (dcs).....	212
Dog River near Fairplay (c).....	217
Snake Creek near Whitesburg (dc).....	219
Chattahoochee River near Whitesburg (d).....	221
Chattahoochee River near La Grange (c).....	222
West Point Lake near West Point.....	224
Chattahoochee River at West Point (dc).....	225
Long Cane Creek near West Point (c).....	231
Chattahoochee River at Columbus (d).....	233
Upatoi Creek near Columbus (d).....	238
Chattahoochee River near Steam Mill (c).....	239
Flint River near Griffin (d).....	241
Line Creek near Senoia (d).....	242
Flint River near Thomaston (d).....	243
Flint River near Culloden (dc).....	244
Flint River at Montezuma (d).....	246
Turkey Creek at Byromville (d).....	251
Kinchafoonee Creek at Preston (dcs).....	252
Flint River at Albany (dc).....	254
Flint River near Putney (c).....	260
Flint River at Newton (dc).....	262
Ichawaynochaway Creek at Milford (dcs).....	264
Flint River at Bainbridge.....	266
Flint River below Bainbridge (c).....	270
Lakes and reservoirs in Apalachicola River basin.....	272

MOBILE RIVER BASIN

Cartecay River (head of Mobile River) near Ellijay (d).....	274
Coosawattee River (continuation of Cartecay River) near Ellijay (d)..	275

MOBILE RIVER BASIN--ContinuedCoosawattee River (continuation of Cartecay River)--Continued

Talking Rock Creek:

Talona Creek:

Fausett Creek near Talking Rock (d).....	276
Talking Rock Creek near Hinton (d).....	277
Coosawattee River at Carters (d).....	278
Coosawattee River near Nickelsville (t).....	279
Coosawattee River at Pine Chapel (dt).....	281
Coosawattee River near Calhoun (c).....	283
Conasauga River near Dalton (c).....	285
Holly Creek near Chatsworth (d).....	287
Conasauga River at Tilton (dc).....	288
Conasauga River near Resaca (c).....	290
Oostanaula River (continuation of Coosawattee River) at Resaca (dt)..	292
Oostanaula River below Resaca (c).....	294
Oostanaula River at Calhoun (c).....	296

Armuchee Creek:

West Armuchee Creek near Subligna (d).....	298
Little Armuchee Creek:	
Heath Creek near Rome (d).....	299
Oostanaula River near Rome (d).....	300
Oostanaula River at Rome (c).....	305
Etowah River near Dawsonville (dc).....	307
Etowah River at Canton (dcts).....	309
Little River near Roswell (dt).....	316
Etowah River at Allatoona Dam, above Cartersville (dc).....	318
Etowah River near Euharlee (c).....	320
Etowah River near Kingston (d).....	322
Etowah River at Rome (dc).....	323
Coosa River (continuation of Oostanaula River) near Rome (dc).....	325
Cedar Creek near Cedartown (c).....	331
Coosa River near Coosa (c).....	333
Chattooga River at Summerville (dc).....	335
Chattooga River at Chattoogaville (c).....	337
Tallapoosa River:	
Little River near Buchanan (d).....	339
Tallapoosa River below Tallapoosa (c).....	340
Little Tallapoosa River below Bowdon (c).....	342
Lakes and reservoirs in Mobile River basin.....	344

TENNESSEE RIVER BASINTennessee River:

Hiwassee River at Presley (d).....	346
Nottely River near Blairsville (d).....	347
Nottely River at Nottely Dam, near Ivylog (d).....	348
Toccoa River (head of Ocoee River) near Dial (d).....	349
South Chickamauga Creek at Graysville (c).....	350
West Chickamauga Creek near Lakeview (c).....	352
Lakes in Tennessee River basin.....	354

WATER RESOURCES DATA FOR GEORGIA, 1975

INTRODUCTION

Water resources data for the 1975 water year for Georgia include records of streamflow or reservoir storage at gaging stations, partial-record stations, miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface-water as well as records for a few pertinent gaging and water-quality stations in bordering States. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of John R. George, district chief. These data represent the Georgia portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies.

Through September 30, 1960, the records of discharge and stage of streams and contents and stages of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States."

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey 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 since then are in 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States."

COOPERATION

The U.S. Geological Survey and organizations of the State of Georgia 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, through the Division of Earth and Water,
Sam Pickering, Jr., Director, and through the Division of
Environmental Protection, J. Leonard Ledbetter, Director.

Georgia Department of Transportation, Thomas D. Moreland,
Commissioner.

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

Corps of Engineers, U.S. Army
Environmental Protection Agency
Federal Highway Administration, U.S. Department of Transportation
Tennessee Valley Authority
Soil Conservation Service, U.S. Department of Agriculture
National Weather Service, NOAA, U.S. Department of Commerce

The following organizations aided in collecting records:

Georgia Power Company
Alabama Power Company
Crisp County Power Commission
Bibb County
Floyd County
City of Covington
City of East Point

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

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 325,851 gallons.

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water.

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.

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 that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a given time.

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

Fecal coliform organisms are that part of the coliform group that is produced in the intestinal tract of warm-blooded animals and is capable of producing gas from lactose and suitable culture media at 44.5°C.

Therefore, in general, presence of fecal coliform organisms indicate recent pollution.

Filtrable residue is that portion of the total residue which passes through a standard glass fiber filter and dried to a constant weight at 105°C.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the 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 gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristic attributable to the hardness of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Micrograms per litre ($\mu\text{g/l}$, UG/L) is a more precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per litre is equivalent to one milligram per litre. See below.

Milligrams per litre (mg/l , MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1 (p. 5).

Nonfiltrable residue is that portion of the total residue retained by a standard glass fiber filter and dried to a constant weight at 105°C.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

<u>Ion</u>	<u>Multi- ply by</u>	<u>Ion</u>	<u>Multi- ply by</u>
Aluminum (Al^{+3})*...	0.11119	Iodide (I^{-1}).....	0.00788
Ammonia as NH_4^{+1} ...	.05544	Iron (Fe^{+3})*.....	.05372
Barium (Ba^{+2}).....	.01456	Lead (Pb^{+2})*.....	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*...	.14411
Bromide (Br^{-1}).....	.01251	Magnesium (Mg^{+2})..	.08226
Calcium (Ca^{+2}).....	.04990	Manganese (Mn^{+2})*.	.03640
Carbonate (CO_3^{-2})..	.03333	Nickel (Ni^{+2})*....	.03406
Chloride (Cl^{-1})....	.02821	Nitrate (NO_3^{-1})...	.01613
Chromium (Cr^{+6})*...	.11539	Nitrite (NO_2^{-1})...	.02174
Cobalt (Co^{+2})*.....	.03394	Phosphate (PO_4^{-3})..	.03159
Copper (Cu^{+2})*.....	.03148	Potassium (K^{+1})...	.02557
Cyanide (CN^{-1})*....	.03844	Sodium (Na^{+1}).....	.04350
Fluoride (F^{-1}).....	.05264	Strontium (Sr^{+2})*.	.02283
Hydrogen (H^{+1}).....	.99209	Sulfate (SO_4^{-2})...	.02082
Hydroxide (OH^{-1})...	.05880	Zinc (Zn^{+2})*.....	.03060

*Constituent reported in micrograms per liter; multiply by factor and divide results by 1,000.

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

Particle size is the diameter, in millimetres (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 distribution 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.

Table 2.--Factors for conversion of sediment concentration in milligrams per litre to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by	Range of concentration in 1000 mg/l	Di- vide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

* Based on water density of 1.000 g/ml and a specific gravity of sediment of 2.65.

Plankton is the floating (or weekly swimming) animal or plant life in a body of water consisting chiefly of minute plants (as diatoms and blue-green algae) and of minute animals (as protozoan, entomostracans, and various larvae).

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

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

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 discharge 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 by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

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 litre of water-sediment mixture (mg/l).

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

WRD is used as an abbreviation for "Water Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

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

SPECIAL NETWORKS AND PROGRAMS

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

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Pesticide program is a network of regularly sampled water-quality stations where additional samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation, or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

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

DOWNSTREAM ORDER AND STATION NUMBERS

Station numbers are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report, the rank of tributaries is indicated by indentation; each indentation representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. 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 8-digit number for each station, such as 03335500, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "335500". In this report, the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

EXPLANATION OF SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consists of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-, or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in streamgaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the gage height to the rating table gives the discharge. The daily mean discharge is computed from gage heights, then the monthly and yearly mean discharges are computed from the daily figures. 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 individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by 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 determining discharge. Information required for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in determining discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation defined by surveys. The application of the stage to the capacity table gives the contents from which the daily, monthly, or yearly change in contents is computed. Discharge over spillways is computed from a stage-discharge relation defined by discharge measurements.

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

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents is given. Records are published for the water

year, which begins on October 1, and ends on September 30. A calendar for the 1975 water year is shown on the inside of the back cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, notations of revisions of previously published reports, and general remarks.

The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies.

Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey, unless otherwise qualified.

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having less than 5 complete years of record.

The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record," the data given are for the period of record given in "PERIOD OF RECORD" paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest-stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately.

Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, is given under "REMARKS"; for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also under "REMARKS."

Previously published records for some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed herein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1933 stands for the water year October 1, 1932 to September 30, 1933. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations 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 revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading.

The monthly summary is given below the daily table. For streamgaging stations the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion.

For reservoir stations, the monthly summary gives the elevation (or gage height) at the end of the month and the change in contents during the month.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in this summary are minimum daily discharges.

For reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any streams for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE," certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, or indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs. Footnotes to reservoir tables may be used to explain the use of new capacity tables or for other special conditions.

Accuracy of Data

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

The station description under "REMARKS" states the degree of accuracy of the records. A rating of "excellent" means that about 95 percent of the daily discharges are within 5 percent of the true discharge; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation or other factors. For these stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for such effects. 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 unadjusted losses (consumptive use, evaporation, seepage, etc.) are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States," there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Georgia for the period October 1960 to September 1965 are in Water-Supply Papers 1904, 1905, 1906, and 1910; October 1965 to September 1970 are in Water-Supply Papers 2104, 2105, 2106, and 2110.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States," have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were re-examined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the number of the water-supply papers in which daily records were published for that station. Records for stations in Georgia are compiled in Water-Supply Papers 1303, 1304, and 1306 through September 1950, and in 1723, 1724, and 1726 for October 1950 to September 1960.

Special reports on major floods or droughts, hydrologic studies, and statistical summaries of gaging station records have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Data collected at partial-record stations and at miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

More detailed information, than that published for most of the gaging stations, such as discharge measurements, gage-height record, and rating tables, is on file in the district office.

EXPLANATION OF WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Data on the quality of surface water were collected from designated sampling sites (map on page 28) at predetermined intervals such as once daily, weekly, monthly, or less frequently. Whereas at some sites it was necessary to continuously record data on charts or on a punched paper tape at 15-, 30-, or 60-minute intervals.

Water-quality information is presented for chemical quality, microbiological, and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967, the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per litre (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be

considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. To convert temperatures in degrees Fahrenheit to degrees Celsius, see table 4 (p. 18).

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre (See "Definition of Terms," p. 4).

The analyses of water samples reported herein were performed by two laboratories; the U.S. Geological Survey and the Environmental Protection Division of the Georgia Department of Natural Resources. The analytical methods used by each laboratory are listed in table 3 (p. 17).

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar; Lamar, Goerlitz, and Law; and Goerlitz and Brown. The collection and analysis of aquatic, biological, and microbiological samples are described by Slack and others.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

Table 3.--Analytical methods

Determination	Method	Units	Minimum Reported Quantity	Laboratory	
				USGS	EPD
Silica	Molybdate blue	mg/l	0.1	X	
	Heteropoly blue		0.1		X
Iron	Bipyridine	ug/l	10	X	
	Atomic Absorption Spectroscopy		10	X	X
Manganese	do	ug/l	10	X	X
Calcium	do	mg/l	0.1	X	X
Magnesium	do	mg/l	0.1	X	X
Sodium	do	mg/l	0.1	X	X
Potassium	do	mg/l	0.1	X	X
Ammonia	Direct Nesslerization	mg/l	0.01		X
Sulfate	Modified Spectrophotometric Thorin	mg/l	0.1	X	
	BaCl Turbidity metric		2		X
Chloride	Mercuric nitrate	mg/l	0.1	X	X
Fluoride	Zirconium-eriochrome cyanine R	mg/l	0.1	X	
Nitrate	Brucine	mg/l	0.1	X	X
Phosphate	Modified persulfate oxidation	mg/l	0.01	X	
	Acid hydrolysis SnCl ₂		0.05		X
Dissolved solids	Residue on evaporation 180°C	mg/l	1	X	
Total filterable residue	Residue on evaporation 105°C	mg/l	1		X
Total non-filterable residue	do	mg/l	1		X
Hardness	Complexometric	mg/l	1	X	X
Alkalinity	Potentiometric	mg/l	1	X	X
pH	do	std. units	0.1 unit	X	X
Color	Comparison	Platinum-cobalt units	1 unit	X	X
Turbidity	Hellige turbidimeter	Jackson units	1 unit	X	
	Hach turbidimeter No. 2100		1 unit		X
BOD	Modified Winkler	mg/l	0.1	X	X
D.O. (Field)	Instrument	mg/l	0.1	X	
Coliform (total)	Membrane filter	/100 ml		X	X
Coliform (Fecal)	Membrane filter Multiple Tube Dilution	/100 ml MPN		X	

For chemical-quality stations equipped with noncontinuous-digital monitors, the records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches, beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S. Geological Survey district office at the address given on the back of the title page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Table 4.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86
.5	33	10.5	51	20.5	69	30.5	87
1.0	34	11.0	52	21.0	70	31.0	88
1.5	35	11.5	53	21.5	71	31.5	89
2.0	36	12.0	54	22.0	72	32.0	90
3.0	37	13.0	55	23.0	73	33.0	91
3.5	38	13.5	56	23.5	74	33.5	92
4.0	39	14.0	57	24.0	75	34.0	93
4.5	40	14.5	58	24.5	76	34.5	94
5.0	41	15.0	59	25.0	77	35.0	95
5.5	42	15.5	60	25.5	78	35.5	96
6.0	43	16.0	61	26.0	79	36.0	97
6.5	44	16.5	62	26.5	80	36.5	98
7.0	45	17.0	63	27.0	81	37.0	99
8.0	46	18.0	64	28.0	82	38.0	100
8.5	47	18.5	65	28.5	83	38.5	101
9.0	48	19.0	66	29.0	84	39.0	102
9.5	49	19.5	67	29.5	85	39.5	103

* $C = 5/9 (°F - 32)$ or $°F = 9/5 (°C) + 32$

Sediment

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

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

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

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

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Georgia are listed below.

Water-supply paper numbers and parts
water-years 1941-70

Year Year	Part number		Year	Part number	
	2	3		2	3
1941	942	943	1956	1450	1450
1942	950	950	1957	1520	1520
1943	970	970	1958	1571	1571
1944	1022	1022	1959	1641	1642
1945	1030	1030	1960	1741	1742
1946	1050	1050	1961	1881	1882
1947	1102	1102	1962	1941	1942
1948	1132	1132	1963	1947	1948
1949	1162	1162	1964	1954	1955
1950	1186	1186	1965	1961	1962
1951	1197	1197	1966	1991	1992
1952	1250	1250	1967	2011	2012
1953	1290	1290	1968	2092	2093
1954	1350	1350	1969	2142	2143
1955	1400	1400	1970	2152	2153

Water-supply papers containing chemical quality data before 1941 are listed below. These publications are out of print.

- 236. The quality of surface waters in the United States, Part 1, Analysis of waters east of the one hundredth meridian.
- 889-E. Chemical character of surface waters of Georgia.

HYDROLOGIC CONDITIONS

Runoff for the year was above normal throughout the State except for some areas immediately adjacent to the coast. This is a continuation of a pattern of above normal runoff which has persisted for a number of years.

Streamflow was generally near normal during the first quarter of the water year, but during the final three quarters streamflow was excessive (in the upper 25 percent of the record) over wide areas of the State during each month.

Although the period of above normal flow was rather long, about nine months, no exceptionally high levels of annual runoff were noted; very few gaging stations showed an annual runoff with a recurrence interval as much as five years.

The high rates of flow were not, in general, due to severe storms, but rather to extended rainy periods. There were almost no reported instances of severe flooding or flood damage. An exception occurred in March on an urban stream, Peachtree Creek at Atlanta, which reached its highest peak in at least 28 years. No drought conditions of consequence were reported.

Figure 4 on page 29, based on records for three long term representative gaging stations, shows graphically that the monthly and yearly mean discharge for the 1975 water year was generally much greater than the median discharge for 30-year reference period.

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Table 5.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
<i>Length</i>		
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4047	square metres (m ²)
	.4047	*hectares (ha)
	.4047	square hectometre (hm ²)
	.004047	square kilometres (km ²)
square miles (mi)	2.590	square kilometres (km ²)
<i>Volume</i>		
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm ³)
	3.785x10 ⁻³	cubic metres (m ³)
million gallons (10 ⁶ gal)	3785	cubic metres (m ³)
	3.785x10 ⁻³	cubic hectometres (hm ³)
cubic feet (ft ³)	28.32	cubic decimetres (dm ³)
	.02832	cubic metres (m ³)
cfs-day (ft ³ /s-day)	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm ³ /s)
	6.309x10 ⁻⁵	cubic metres per second (m ³ /s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm ³ /s)
	.04381	cubic metres per second (m ³ /s)
<i>Mass</i>		
ton (short)	.9072	tonne (t)

* The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p. 15, 1972 edition.

** The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.



Figure 1.—Location of gaging stations.

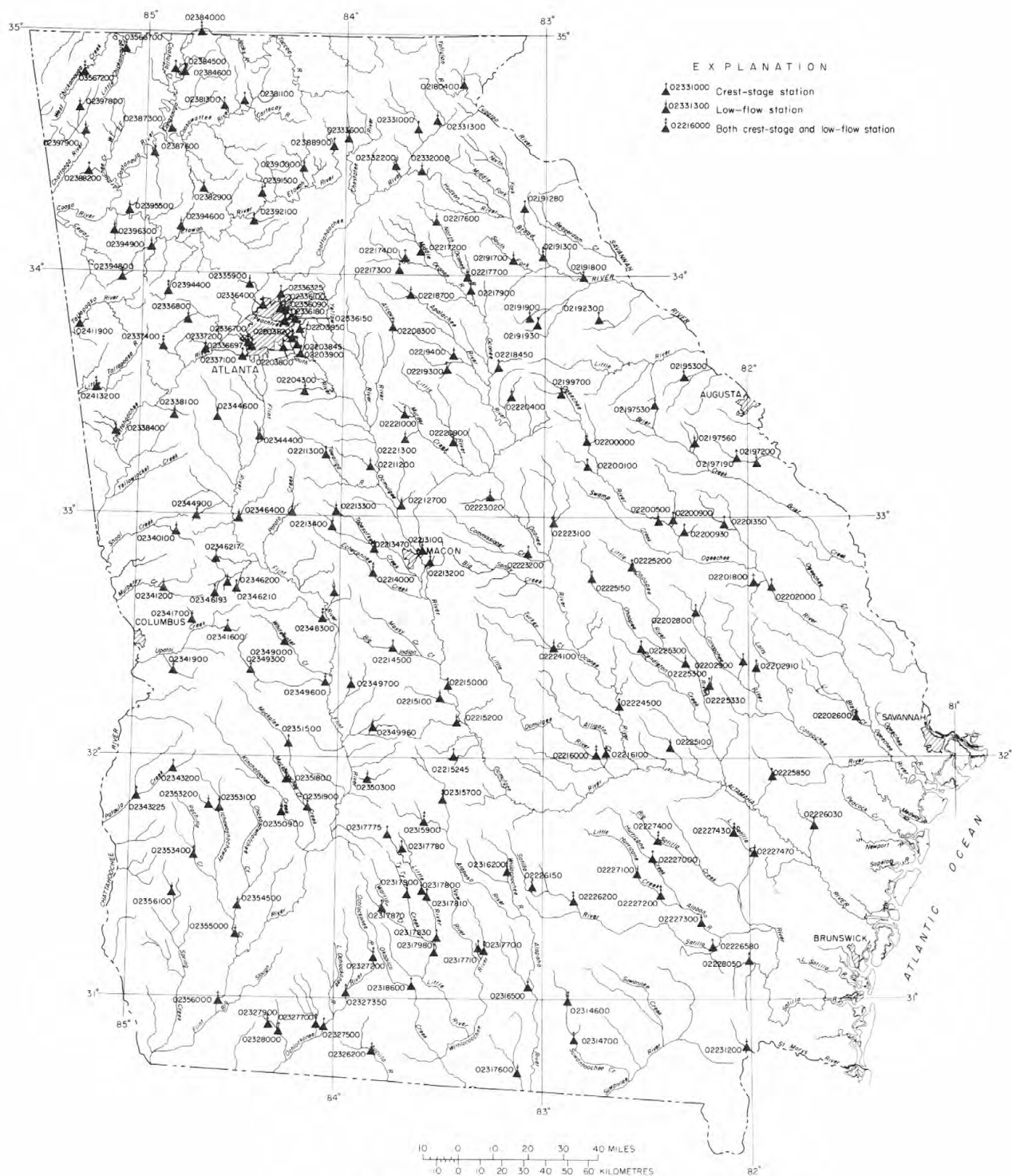


Figure 2.—Location of partial-record stations.

WATER RESOURCES FOR GEORGIA, 1975

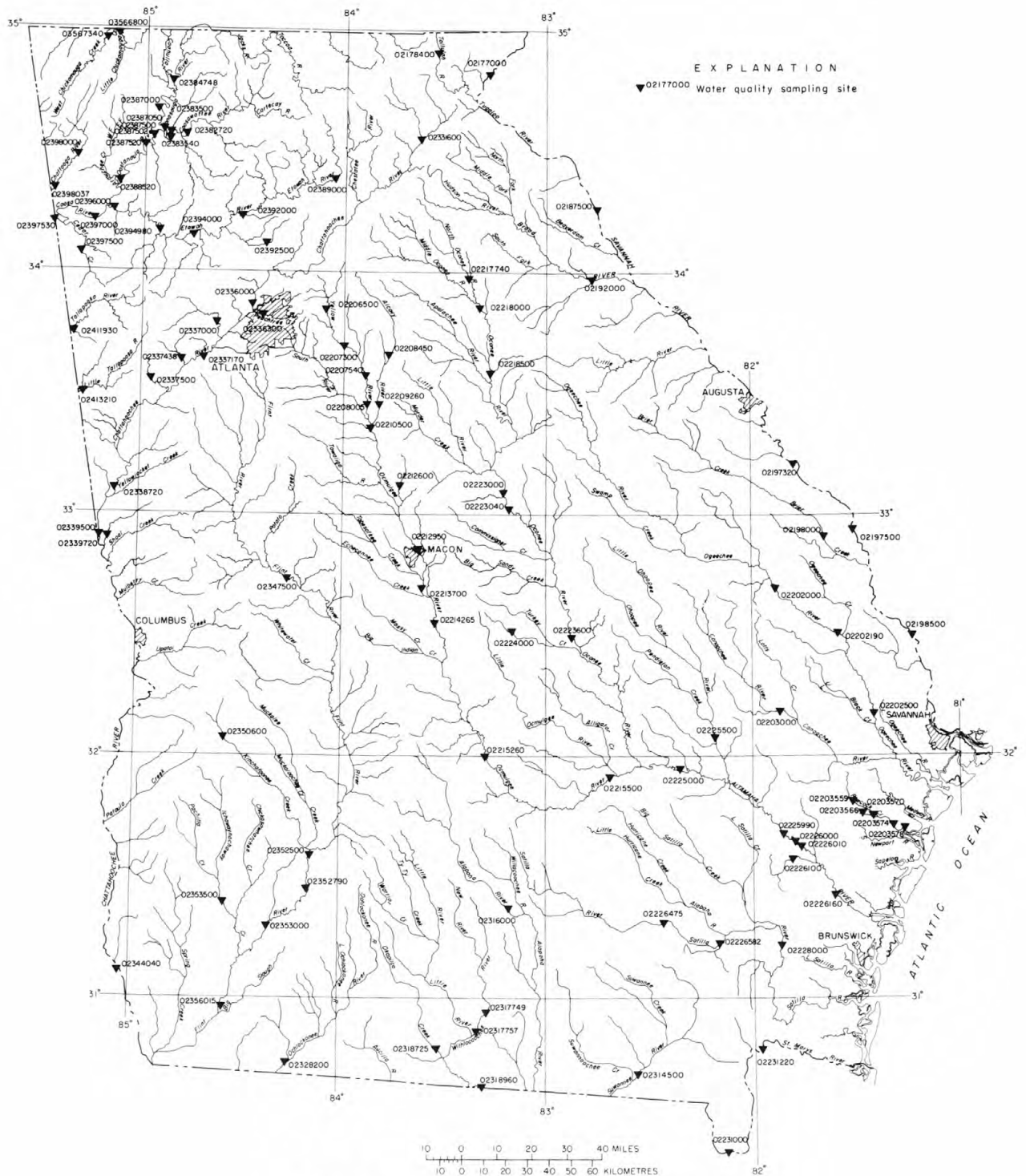


Figure 3.—Location of surface water quality stations.

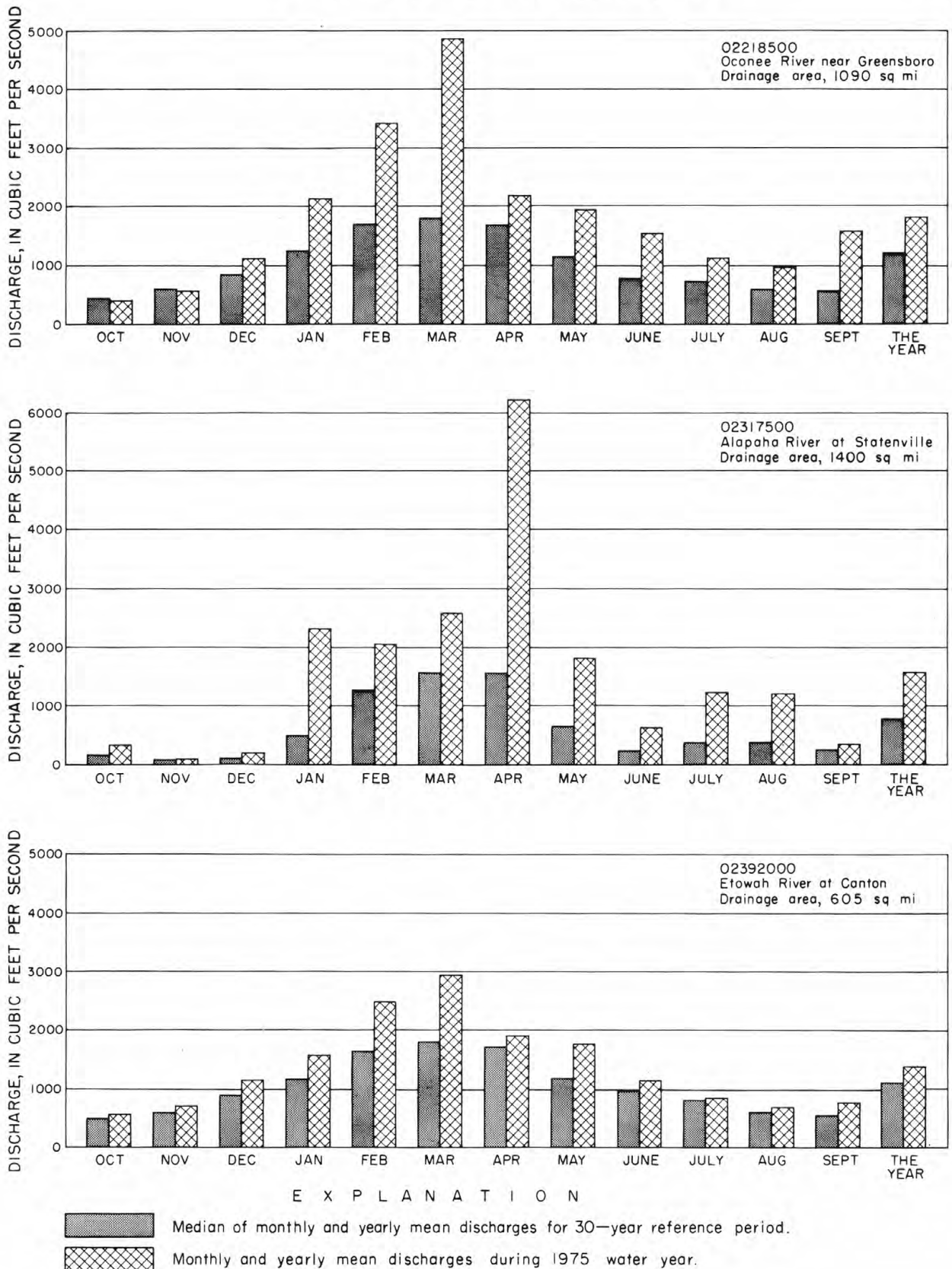


Figure 4.—Comparison of discharge at three long-term representative gaging stations during 1975 water year with median discharge for 30-year reference period.

GAGING-STATION RECORDS

SAVANNAH RIVER BASIN

02177000 Chattooga River near Clayton, Ga.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., on left bank 150 ft (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi² (536 km²).

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

Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.3 m) above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

AVERAGE DISCHARGE.--36 years (1939-75), 646 ft³/s (18.3 m³/s), 42.38 in/yr (1,076.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,340 ft³/s (180 m³/s) Sept. 24, gage height, 5.55 ft (1.692 m); minimum, 226 ft³/s (6.40 m³/s) Sept. 6, gage height, 1.18 ft (0.360 m).

Period of record: Maximum discharge, 29,000 ft³/s (821 m³/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft³/s (133 m³/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft³/s (2.49 m³/s) Oct. 8, 12, 13, 1954.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1383: 1940-41, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	422	318	1,130	449	573	1,130	1,890	754	1,870	434	445	296
2	401	311	672	416	687	1,070	1,650	770	1,060	419	394	261
3	389	306	537	409	794	1,010	1,570	780	845	434	366	246
4	391	302	474	534	1,030	958	1,470	859	752	400	382	234
5	387	334	441	481	1,770	915	1,360	721	699	382	458	251
6	377	370	420	446	1,270	882	1,290	631	672	379	555	233
7	370	317	434	430	1,020	894	1,230	617	653	389	553	352
8	364	307	897	424	903	925	1,180	624	616	371	429	524
9	361	304	707	436	840	834	1,150	605	581	358	391	322
10	357	300	578	443	786	849	1,140	608	582	345	389	305
11	351	300	522	1,330	755	892	1,100	577	703	469	421	659
12	346	353	495	1,010	862	1,010	1,060	837	911	483	384	630
13	340	326	465	1,560	783	2,220	1,020	787	690	371	364	404
14	335	309	442	1,000	725	3,550	1,030	644	599	349	341	331
15	340	325	453	820	693	2,020	1,060	1,160	573	532	327	295
16	796	311	569	732	902	1,590	970	1,680	598	469	332	280
17	543	308	479	671	1,190	1,440	988	1,020	534	385	320	472
18	419	367	442	628	1,160	1,330	971	1,460	504	369	320	3,190
19	389	397	432	609	1,270	1,690	947	1,100	499	425	307	1,560
20	367	851	426	630	1,040	1,450	930	926	555	413	309	902
21	355	673	413	579	925	1,320	923	853	526	503	325	668
22	352	470	396	543	872	1,270	878	820	474	383	294	615
23	349	414	385	526	1,380	1,230	879	766	460	351	281	3,470
24	346	385	404	527	3,310	1,850	826	712	442	344	277	3,850
25	341	369	461	1,230	2,020	1,860	826	658	434	390	274	1,860
26	338	352	488	1,050	1,510	1,450	812	660	507	372	273	1,350
27	332	341	436	794	1,330	1,340	798	716	460	1,120	273	1,070
28	325	334	452	713	1,210	1,260	789	697	435	526	301	860
29	323	326	480	665	-----	1,540	743	726	485	421	276	802
30	325	440	496	631	-----	3,420	737	825	453	468	257	640
31	324	-----	464	594	-----	2,270	-----	1,000	-----	599	267	-----
TOTAL	11,755	11,120	15,490	21,310	31,610	45,469	32,317	25,593	19,172	13,653	10,885	26,932
MEAN	379	371	513	687	1,129	1,467	1,077	826	639	440	351	898
MAX	796	851	1,130	1,560	3,310	3,550	1,890	1,680	1,870	1,120	555	3,850
MIN	323	300	385	409	573	834	737	577	434	344	257	233
CFSM	1.83	1.79	2.48	3.32	5.45	7.09	5.20	3.99	3.09	2.13	1.70	4.34
IN.	2.11	2.00	2.86	3.83	5.68	8.17	5.81	4.60	3.45	2.45	1.96	4.84

CAL YR 1974 TOTAL 308,113 MEAN 844 MAX 3,350 MIN 300 CFSM 4.08 IN 55.37
WTR YR 1975 TOTAL 265,706 MEAN 728 MAX 3,850 MIN 233 CFSM 3.52 IN 47.75

PEAK DISCHARGE (BASE, 3,400 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-24	1045	4.73	4,710	3-30	0700	4.41	4,120
3-14	0630	4.56	4,390	9-24	0130	5.55	6,340

02177000 Chattooga River near Clayton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
OCT. 17...	1750	478	6.6	15.0	9.5	
NOV. 20...	1600	1100	6.3	11.0	--	
JAN. 08...	1020	421	6.4	5.0	12.2	
FEB. 12...	0955	890	6.3	8.5	11.3	
MAR. 27...	1435	1330	7.0	9.5	11.5	
MAY 07...	1235	622	6.2	16.5	9.5	
JUNE 18...	1005	502	6.4	21.0	8.6	
JULY 31...	0730	595	6.4	18.5	8.4	
DATE	ALKA- LINEITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 17...	5	<.02	<.02	--	.03	4
NOV. 20...	5	.02	<.02	--	.10	2
JAN. 08...	4	<.02	<.02	--	<.02	3
FEB. 12...	4	.02	.02	.03	.02	4
MAR. 27...	4	<.04	<.04	--	.03	2
MAY 07...	4	<.02	.03	.04	<.02	4
JUNE 18...	5	<.02	.02	.03	<.02	4
JULY 31...	5	.03	<.02	--	.06	4
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 17...	15	10	10	1.2	7500	5.0
NOV. 20...	13	30	39	1.2	4300	8.0
JAN. 08...	12	5	2	.1	--	2.0
FEB. 12...	11	5	7	.9	230	2.0
MAR. 27...	11	<5	5	.4	36	4.0
MAY 07...	13	<5	3	.3	230	1.0
JUNE 18...	13	5	4	.3	230	2.0
JULY 31...	13	30	52	.7	2300	6.0
DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)		
NOV. 20...	1650	1120	117	354		
JAN. 08...	1000	421	4	5.3		
FEB. 12...	0920	830	14	33		
MAR. 27...	1415	1330	8	30		
MAY 07...	1235	622	1	2.8		

SAVANNAH RIVER BASIN

02178400 Tallulah River near Clayton, Ga.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°53'25", long 83°31'50", Rabun County, on right bank 100 ft (30 m) downstream from county highway bridge, 120 ft (37 m) downstream from Persimmon Creek, 8 mi (12.9 km) upstream from Burton Dam, and 10.3 mi (16.6 km) west of Clayton.

DRAINAGE AREA.--56.5 mi² (146 km²).

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

Chemical analyses: October 1967 to September 1968, December 1969 to current year.

Water temperature: September 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,880 ft (573 m), from topographic map.

AVERAGE DISCHARGE.--11 years, 204 ft³/s (5.78 m³/s), 49.03 in/yr (1,245.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,410 ft³/s (68.3 m³/s) Mar. 13, gage height, 6.47 ft (1.972 m); minimum discharge, 56 ft³/s (1.59 m³/s) Sept. 5, 6, gage height, 1.92 ft (.585 m). Maximum water temperature, 26.5°C June 18, 20; minimum, freezing point Dec. 10, 18.

Period of record: Maximum gage height, 12.00 ft (3.658 m) May 28, 1973 (discharge not determined); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 25, 26, 1964. Maximum water temperature, 28.0°C July 28, 1966; minimum, freezing point on several days during December 1968 to March 1969, January 1970, January and February 1971, Dec. 3, 1971, Feb. 17, 1973, Dec. 10, 18, 1974.

REMARKS.--Records good. Rainfall data available.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	68	243	228	194	352	553	216	265	124	121	68
2	87	67	169	202	466	325	490	189	159	131	104	63
3	85	67	140	210	442	300	476	213	147	107	96	61
4	85	66	127	240	659	284	402	201	143	98	100	59
5	84	117	118	210	913	271	374	194	139	94	105	58
6	83	78	112	204	631	259	351	194	136	94	183	57
7	81	71	183	190	468	274	336	187	129	95	138	132
8	80	69	313	170	390	257	321	179	123	94	116	105
9	79	68	219	165	341	241	315	189	119	91	106	71
10	78	66	179	253	308	253	302	175	121	86	135	65
11	75	71	158	532	288	291	287	167	182	94	120	73
12	75	87	149	476	321	329	273	191	185	96	109	74
13	74	72	133	485	274	856	263	185	142	83	100	69
14	74	76	125	356	257	1,260	271	164	129	81	93	62
15	91	77	143	294	244	652	265	295	135	119	106	60
16	219	71	135	256	362	492	248	285	136	93	97	60
17	101	74	122	231	405	422	240	229	122	87	87	121
18	88	113	117	215	402	418	234	227	119	83	99	209
19	82	115	120	210	393	492	229	200	116	104	89	111
20	80	339	114	214	341	434	222	183	114	118	83	87
21	78	196	112	191	305	389	214	172	112	98	79	77
22	77	137	108	179	294	383	208	164	108	85	76	202
23	76	115	104	172	504	352	200	157	105	81	74	717
24	74	105	120	183	1,450	704	185	149	102	109	72	651
25	74	98	210	600	683	563	194	151	102	114	70	278
26	73	90	185	384	503	451	192	151	109	147	68	196
27	71	87	172	297	429	398	188	144	101	103	71	160
28	70	84	288	258	377	363	186	136	112	89	71	137
29	70	81	284	238	-----	647	180	151	116	85	66	122
30	69	212	280	220	-----	1,170	183	155	111	200	64	113
31	69	-----	255	203	-----	699	-----	181	-----	186	66	-----
TOTAL	2,591	3,037	5,237	8,266	12,644	14,581	8,382	5,774	3,939	3,269	2,964	4,318
MEAN	83.6	101	169	267	452	470	279	186	131	105	95.6	144
MAX	219	339	313	600	1,450	1,260	553	295	265	200	183	717
MIN	69	66	104	165	194	241	180	136	101	81	64	57
CFSM	1.48	1.79	2.99	4.73	8.00	8.32	4.94	3.29	2.32	1.86	1.69	2.55
IN.	1.71	2.00	3.45	5.44	8.32	9.60	5.52	3.80	2.59	2.15	1.95	2.84

CAL YR 1974 TOTAL 92,026 MFAN 252 MAX 1,630 MIN 66 CFSM 4.46 IN 60.59
WTR YR 1975 TOTAL 75,002 MFAN 205 MAX 1,450 MIN 57 CFSM 3.63 IN 49.38

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-24	0400	6.40	2,350	3-30	0530	5.34	1,550
3-13	2330	6.47	2,410	9-23	2100	5.92	2,040
3-24	1130	5.00	1,310				

02178400 Tallulah River near Clayton, Ga.--Continued
(Hydrologic bench-mark station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
JUNE 29...	1530	106	22	22.0	9.1						
DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	HICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)
JUNE 29...	8.6	20	30	100	.8	.5	1.3	.5	10	0	8
DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO ₂) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUNE 29...	.5	.5	.5	.05	.22	.01	.03	.03	.06	.01	.03
DATE	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JUNE 29...	.04	.10	.11	.14	.62	.01	.00	.03	.01	29	4
DATE	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL ORGANIC CARRON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 29...	0	8	2.8	0	1	1	1	8	.0	0	5

SAVANNAH RIVER BASIN

02178400 Tallulah River near Clayton, Ga.--Continued
(Hydrologic bench-mark station)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	10.0	14.0	10.5	4.0	3.5	10.0	7.0	13.5	11.5	4.0	6.0
2	11.5	9.5	14.0	10.5	3.5	2.0	6.5	3.5	13.0	11.0	5.5	3.0
3	10.0	6.5	14.5	11.0	3.0	2.0	3.5	2.0	11.0	9.5	4.0	1.0
4	10.0	6.0	12.0	10.5	2.0	1.5	5.5	4.0	9.0	8.0	4.5	0.5
5	10.5	6.0	14.0	11.5	2.0	1.0	4.0	1.5	10.0	8.5	5.5	2.0
6	11.0	6.5	11.5	9.0	1.5	1.0	4.0	3.0	10.0	9.0	7.0	3.5
7	12.0	6.5	9.0	6.5	3.0	1.5	6.0	1.5	9.0	6.0	8.0	5.5
8	11.5	9.5	10.0	8.0	4.5	3.0	7.0	6.0	6.0	4.5	4.0	5.0
9	11.5	8.5	9.0	6.0	4.5	2.0	9.0	7.0	7.0	6.0	5.0	2.0
10	12.0	9.0	8.5	6.0	2.0	0.0	10.5	9.0	7.0	5.0	5.0	2.0
11	13.0	9.0	5.5	5.0	2.0	1.0	10.5	9.5	9.5	7.0	6.0	3.5
12	13.0	9.5	4.0	5.5	4.0	3.0	9.5	8.5	10.5	9.0	8.5	6.0
13	14.0	10.0	3.0	3.5	4.0	3.5	9.0	5.5	7.0	5.0	10.0	8.5
14	14.0	11.0	4.5	4.0	3.5	2.0	5.5	3.5	6.5	4.5	10.0	6.0
15	13.5	11.5	4.5	3.0	3.5	3.0	5.0	3.5	8.0	5.5	8.5	5.0
16	14.5	12.0	4.0	1.5	4.5	3.5	6.5	4.5	9.0	8.0	9.0	7.0
17	13.0	10.0	6.0	3.5	3.5	1.0	6.5	4.5	10.5	9.0	10.5	8.0
18	12.0	9.0	7.0	5.5	1.0	0.0	6.5	5.0	10.5	9.0	10.0	8.0
19	11.5	9.5	8.5	7.0	1.0	0.5	4.5	6.5	10.5	9.0	4.0	8.0
20	9.0	6.5	9.5	8.5	3.0	1.0	9.5	4.0	8.5	6.0	10.5	7.0
21	8.5	5.5	5.5	5.5	3.5	3.0	7.0	6.0	8.0	5.0	12.0	8.0
22	8.0	4.0	5.5	4.5	3.0	1.5	7.0	5.5	8.0	5.5	12.0	10.0
23	8.5	3.5	5.5	4.5	3.0	1.5	8.0	6.0	10.5	8.0	12.0	8.5
24	9.5	5.5	5.5	4.5	5.0	3.0	9.0	8.0	10.5	7.0	12.0	10.5
25	11.0	7.0	6.0	5.5	8.0	5.0	10.0	9.0	8.0	5.5	10.5	8.5
26	12.0	8.5	5.5	3.5	7.0	3.5	9.0	7.0	8.5	5.5	9.5	5.5
27	12.0	9.0	3.5	1.5	5.0	4.0	9.0	6.0	9.0	7.0	10.0	6.5
28	11.5	4.5	3.5	1.5	7.0	5.0	10.5	7.0	8.0	5.0	10.5	8.5
29	12.0	9.0	3.0	1.5	7.0	6.5	12.0	11.0	---	---	11.0	10.0
30	15.0	11.0	3.5	3.0	8.5	7.0	12.0	10.5	---	---	11.0	8.0
31	14.5	11.0	---	---	9.0	8.5	13.5	---	---	---	9.0	6.0
MONTH	15.0	3.5	14.5	1.5	9.0	0.0	13.5	1.5	13.5	4.5	12.0	0.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.5	8.0	---	---	21.0	16.5	23.5	19.5	23.0	18.5	22.0	18.5
2	11.0	9.5	---	---	20.0	14.5	20.5	19.5	24.0	18.5	23.0	17.0
3	11.0	7.0	---	---	20.0	14.5	24.0	18.5	24.0	19.0	24.0	18.5
4	9.0	5.0	---	---	21.0	14.5	24.0	19.5	24.0	19.5	24.0	18.5
5	10.5	5.5	---	---	20.5	16.0	24.0	19.5	23.0	19.5	24.0	18.5
6	10.5	5.5	---	---	21.0	16.5	21.5	19.5	21.0	19.0	23.0	19.5
7	11.0	6.0	---	---	22.0	16.5	23.0	18.5	20.0	17.0	19.5	18.5
8	10.0	8.5	19.5	14.0	22.0	16.0	25.0	19.5	19.0	18.5	21.5	18.0
9	11.0	9.0	18.0	14.5	21.0	16.0	25.5	20.0	21.0	16.5	23.0	18.5
10	13.0	10.5	19.5	15.0	19.0	18.0	25.5	20.0	19.5	17.0	20.5	18.5
11	13.5	10.0	18.5	14.0	17.0	16.5	24.5	20.0	21.0	16.5	20.0	19.0
12	11.5	9.0	17.0	14.5	20.0	16.5	24.5	18.5	20.0	17.0	21.0	18.5
13	11.0	6.0	19.5	14.0	21.5	16.0	23.5	18.0	21.5	17.0	20.0	17.0
14	10.5	9.0	17.0	13.5	22.0	16.0	24.0	18.0	23.0	18.5	19.0	16.0
15	13.0	9.0	15.5	15.0	21.0	17.0	23.5	19.5	23.0	19.5	17.0	14.0
16	12.0	7.0	16.5	14.5	23.0	19.5	24.0	19.5	24.0	19.0	16.0	14.5
17	14.5	9.0	16.0	14.5	22.0	17.0	23.5	19.5	24.0	19.5	15.0	15.0
18	13.5	10.5	18.5	14.5	24.0	18.5	25.0	20.0	22.0	19.5	17.0	15.0
19	14.5	11.5	19.5	14.5	22.0	19.0	25.0	21.0	22.0	19.5	19.5	15.5
20	15.0	9.5	20.0	14.5	24.0	18.5	24.0	20.0	23.5	18.5	20.0	16.5
21	14.5	9.0	21.0	15.5	23.5	19.5	25.0	20.0	24.0	19.5	20.5	16.5
22	15.0	9.5	22.0	16.5	21.0	19.0	26.5	21.0	24.0	19.5	18.5	16.5
23	14.5	10.5	22.0	16.5	22.0	18.5	25.0	21.5	24.5	19.5	17.0	16.5
24	15.0	12.0	22.5	17.0	23.0	17.0	24.0	22.0	25.0	20.0	17.0	14.5
25	18.0	14.0	22.0	16.5	24.0	18.0	24.5	21.0	25.5	20.0	15.5	14.0
26	18.5	13.0	19.5	16.5	24.0	19.5	23.0	20.0	24.5	19.5	14.5	11.5
27	18.5	13.0	20.5	15.5	24.0	19.5	26.0	20.5	23.5	19.5	15.5	11.5
28	19.5	14.5	20.5	16.5	24.0	19.0	26.0	21.0	23.0	19.5	14.5	11.5
29	17.0	15.5	19.0	17.0	24.0	19.5	25.5	21.0	23.5	19.5	14.0	11.5
30	16.5	14.5	20.5	16.5	24.0	19.5	23.0	21.0	23.0	18.5	16.5	13.0
31	---	---	19.0	17.0	---	---	19.5	17.0	21.0	18.0	---	---
MONTH	19.5	5.0	---	---	24.0	14.5	26.5	17.0	25.5	16.5	24.0	11.5

SAVANNAH RIVER BASIN

35

02187500 Savannah River near Iva, S. C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generossee Creek, 5.8 mi (9.3 km) southwest of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi² (5,778 km²).

PERIOD OF RECORD.--Discharge: October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

Chemical analyses: February 1968 to current year.

Water temperature: October 1962 to September 1967, October 1968 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.75 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--26 years, 4,338 ft³/s (123 m³/s), 26.41 in/yr (670.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,700 ft³/s (954 m³/s) Mar. 13, gage height, 8.82 ft (2.688 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 21; minimum daily, 204 ft³/s (5.78 m³/s) Oct. 27, Nov. 3.

Period of record: Maximum discharge, 54,400 ft³/s (1,540 m³/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft³/s (2.12 m³/s) Oct. 24, 1961; minimum daily, 78 ft³/s (2.21 m³/s) Oct. 23, 24, 1961.

REMARKS.--Records good. Flow regulated by powerplants above station, by Lake Burton, Mathis Reservoir, and Hartwell Lake (see stations 02178500, 02179500, and 02187250). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,110	4,700	423	770	1,020	1,040	19,000	2,670	990	6,600	2,150	2,490
2	3,000	520	11,100	8,460	393	486	18,700	5,450	4,790	5,530	2,550	3,810
3	3,220	204	4,140	8,920	9,300	8,570	18,800	1,060	7,300	5,830	423	6,430
4	2,790	2,180	11,300	1,370	10,600	14,300	18,700	1,410	9,970	4,520	5,110	10,600
5	704	2,580	5,750	788	11,100	13,100	5,650	4,110	9,400	1,180	5,360	7,190
6	240	3,150	4,060	5,430	3,940	17,700	477	4,220	7,790	929	5,320	903
7	1,190	3,120	854	5,060	5,890	14,400	15,300	4,160	3,770	5,240	7,480	466
8	2,300	2,940	317	2,300	879	1,620	16,200	4,140	1,320	4,990	6,420	2,490
9	1,900	573	3,770	7,180	490	496	15,700	4,130	4,140	5,680	1,370	2,760
10	3,380	236	4,750	4,810	10,600	7,320	15,400	693	4,080	6,030	941	4,140
11	4,350	1,010	2,820	2,480	6,220	7,470	15,800	592	4,270	3,780	5,440	6,010
12	528	2,980	5,180	1,080	8,530	11,300	2,450	11,700	6,940	1,130	5,020	4,710
13	240	4,820	5,190	5,290	9,510	13,900	493	15,300	4,830	925	10,200	665
14	462	2,920	905	3,330	9,100	19,200	11,900	12,800	1,180	5,260	8,030	345
15	3,090	3,190	303	3,160	1,300	8,220	14,800	12,900	987	5,560	10,700	2,380
16	4,620	573	4,820	2,410	491	1,030	12,000	11,400	4,180	5,460	1,390	4,420
17	2,450	665	5,000	2,660	5,020	4,600	11,600	2,550	6,640	5,440	2,670	4,230
18	2,420	4,820	5,240	688	5,320	5,180	11,800	778	7,330	4,280	7,460	8,520
19	687	6,790	4,690	395	6,400	7,560	1,230	11,200	3,970	1,130	6,790	7,790
20	209	7,010	5,650	4,130	6,890	6,120	463	13,300	3,340	960	7,320	4,910
21	2,010	6,940	714	7,370	5,360	13,000	6,730	14,900	1,450	4,690	7,740	727
22	3,480	6,880	320	2,470	903	14,700	9,630	14,300	1,190	5,350	7,030	3,910
23	2,640	881	4,970	3,700	847	4,040	5,190	14,900	2,840	7,430	3,810	3,780
24	3,480	274	4,980	3,850	11,600	17,900	4,720	1,870	4,670	8,270	1,070	3,710
25	4,140	7,090	1,090	1,340	9,280	18,400	8,760	477	7,360	5,490	9,440	3,180
26	555	10,200	4,130	868	9,080	18,000	1,110	7,020	7,400	1,260	6,110	4,150
27	204	10,800	7,060	3,330	9,020	17,900	3,730	12,900	5,970	948	3,280	761
28	368	4,050	1,070	3,860	9,040	18,000	6,500	13,200	1,220	6,710	5,440	368
29	3,330	4,970	354	3,860	-----	5,600	4,870	10,500	964	2,270	2,120	4,130
30	3,360	726	5,810	3,830	-----	1,130	3,060	10,300	4,930	2,170	1,100	10,500
31	4,200	-----	2,860	5,150	-----	16,700	-----	1,090	-----	2,210	896	-----
TOTAL	68,657	107,792	119,620	110,339	168,123	303,982	281,263	226,020	135,211	127,252	150,180	120,475
MEAN	2,215	3,593	3,859	3,559	6,004	9,806	9,375	7,291	4,507	4,105	4,845	4,016
MAX	4,620	10,800	11,300	8,920	11,600	19,200	19,000	15,300	9,970	8,270	10,700	10,600
MIN	204	204	303	395	393	486	463	477	964	925	423	345
(†)	-129	-114	-154	-13	+281	+262	-45	+52	-76	+8	-102	-30
(‡)	-296	-571	-758	+1,859	+2,429	+2,503	-3,070	+524	-313	-699	-1,283	+1,728
CAL YR 1974	TOTAL 1,969,232		MEAN 5,395		MAX 17,000		MIN 204					
WTR YR 1975	TOTAL 1,918,914		MEAN 5,257		MAX 19,200		MIN 204					

† Combined change in contents, equivalent in cubic feet per second, in Lake Burton and Mathis Reservoir.

‡ Change in contents, equivalent in cubic feet per second, in Hartwell Lake.

SAVANNAH RIVER BASIN

02187500 Savannah River near Iva, S.C.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
DEC. 12...	1450	5480	7.0	12.0	10.1	
FEB. 27...	1215	20100	6.8	9.0	11.2	
MAY 15...	1245	26400	6.6	12.0	8.0	
AUG. 13...	1105	481	6.7	17.0	8.0	

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
DEC. 12...	8	.06	.04	.05	.02	8
FEB. 27...	8	.12	<.02	--	<.02	6
AUG. 13...	7	.22	.09	.12	<.02	10

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 12...	31	<5	3	.9	150	2.0
FEB. 27...	24	5	3	.4	36	2.0
AUG. 13...	32	5	2	.4	73	<1.0

SAVANNAH RIVER BASIN

37

02188500 South Beaverdam Creek at Dewy Rose, Ga.

LOCATION.--Lat 34°10'52", long 82°56'38", Elbert County, on left bank 50 ft (15 m) upstream from highway bridge, 1 mi (1.6 km) northeast of Dewy Rose, and 3 mi (4.8 km) upstream from confluence with North Beaverdam Creek.

DRAINAGE AREA.--35.8 mi² (92.7 km²).

PERIOD OF RECORD.--October 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 581.07 ft (177.11 m) above mean sea level. Prior to Nov. 20, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 51.8 ft³/s (1.47 m³/s), 19.65 in./yr. (499.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,300 ft³/s (65.1 m³/s) Mar. 14, gage height, 10.72 ft (3.267 m); minimum, 8.6 ft³/s (244 l/s) Oct. 29, gage height, 1.30 ft (.396 m).

Period of record: Maximum discharge, 6,570 ft³/s (186 m³) June 4, 1967, gage height, 16.9 ft (5.15 m), from floodmark, from rating curve extended above 2,000 ft³/s (56.6 m³/s) on basis of slope-area and contracted-opening measurements of peak flow; minimum, 0.80 ft³/s (22.6 l/s) Sept. 22, 1954.

Floods of Aug. 25, 1852 and Aug. 25, 1908, reached a stage of about 23.6 ft (7.19 m), from information by local residents.

Flood of Aug. 15, 1928 reached a stage of about 17.8 ft (5.43 m), from floodmark.

REMARKS.--Records good.

REVISIONS.--WSP 1383: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	39	43	43	59	88	62	208	40	43	26
2	12	12	32	39	43	55	86	92	104	37	37	21
3	11	12	25	36	49	50	108	160	72	34	35	19
4	11	12	22	37	142	47	85	308	60	32	30	18
5	11	13	20	39	326	45	79	117	50	29	30	17
6	12	16	20	35	186	44	73	87	49	30	28	19
7	12	14	20	34	112	46	70	76	43	32	31	19
8	11	13	23	35	88	65	67	67	38	29	30	21
9	11	13	22	52	75	49	67	65	34	27	28	20
10	11	13	20	49	64	48	70	58	33	26	30	18
11	11	13	19	168	57	52	67	55	51	27	36	18
12	10	14	20	123	64	75	62	50	109	31	29	20
13	11	13	20	338	60	749	58	53	59	27	26	19
14	11	13	20	125	52	2,140	65	46	47	26	25	18
15	11	14	21	91	48	644	77	63	41	34	23	16
16	14	14	45	73	68	295	65	78	40	28	22	16
17	16	14	36	61	96	244	60	126	40	37	21	35
18	14	20	30	53	90	213	57	94	38	40	21	89
19	13	24	27	48	133	564	56	94	45	31	21	45
20	15	36	33	55	89	236	54	68	43	28	21	34
21	12	41	33	51	75	169	52	57	41	55	20	30
22	12	26	30	44	74	150	50	50	37	40	19	30
23	13	22	27	41	101	144	48	46	35	34	19	69
24	13	20	33	45	167	160	48	42	33	67	18	82
25	13	21	58	145	118	200	49	40	32	52	17	51
26	13	18	52	120	84	134	55	39	43	48	17	41
27	14	17	42	78	71	116	51	41	36	41	17	37
28	14	16	39	63	66	104	46	36	33	38	24	33
29	11	16	39	55	-----	97	44	41	67	33	21	31
30	12	18	54	51	-----	108	45	40	51	35	19	29
31	14	-----	47	46	-----	96	-----	45	-----	38	19	-----
TOTAL	382	521	968	2,273	2,641	7,198	1,902	2,296	1,612	1,106	777	941
MEAN	12.3	17.4	31.2	73.3	94.3	232	63.4	74.1	53.7	35.7	25.1	31.4
MAX	16	41	58	338	326	2,140	108	308	208	67	43	89
MIN	10	12	19	34	43	44	44	36	32	26	17	16
CFSM	.34	.49	.87	2.05	2.63	6.48	1.77	2.07	1.50	1.00	.70	.88
IN.	.40	.54	1.01	2.36	2.74	7.48	1.98	2.39	1.68	1.15	.81	.98

CAL YR 1974 TOTAL 15,838 MFAN 43.4 MAX 1,100 MIN 10 CFSM 1.21 IN 16.46
WTR YR 1975 TOTAL 22,617 MFAN 62.0 MAX 2,140 MIN 10 CFSM 1.73 IN 23.50

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G.H.	DISCHARGE
3-14	1030	10.72	2,300
3-19	1315	5.99	760

SAVANNAH RIVER BASIN

02189000 Savannah River near Calhoun Falls, S. C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi² (7,449 km²).

PERIOD OF RECORD.--Discharge: August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1 mi (1.6 km) upstream during 1899-1928, and at present site since 1928, are contained in reports of National Weather Service.

Chemical analyses: November 1969 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.80 m) above mean sea level. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at datum about 369.0 ft (112.47 m) above mean sea level.

AVERAGE DISCHARGE.--40 years (1896-97, 1899-1900, 1930-31, 1938-75), 5,192 ft³/s (147 m³/s), 24.52 in/yr (622.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 47,100 ft³/s (1,330 m³/s) Mar. 14, gage height, 7.32 ft (2.231 m); minimum daily, 332 ft³/s (9.40 m³/s) Oct. 28.

Period of record: Maximum discharge, 96,500 ft³/s (2,730 m³/s) Aug. 13, 1940, gage height, 11.52 ft (3.511 m), from rating curve extended above 50,000 ft³/s (1,420 m³/s), by velocity-area studies; minimum daily, 300 ft³/s (8.50 m³/s) Nov. 5, 1961.

The flood of Aug. 25, 1908 reached a stage of 28.2 ft (8.60 m) at original site and datum, from records of National Weather Service; discharge, 144,000 ft³/s (4,080 m³/s), from rating curve extended above 14,000 ft³/s (396 m³/s).

REMARKS.--Records good. Flow regulated by powerplants above station, by Lake Burton, Mathis Reservoir, and Hartwell Lake (see stations 02178500, 02179500, and 02187250).

REVISIONS (WATER YEARS).--WSP 1303: 1930-32, 1938-39 (monthly runoff). WSP 1433: 1899-1900, 1932, 1940(m), 1946. See also period of record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,140	5,900	966	2,980	4,280	4,670	20,300	3,380	4,010	6,040	2,360	1,540
2	2,850	2,330	8,440	5,650	1,600	1,550	20,400	5,970	4,880	7,600	3,340	3,130
3	2,980	455	5,450	11,500	5,400	8,400	20,900	4,180	7,150	5,020	1,470	6,130
4	2,910	854	10,400	3,720	14,600	13,600	20,100	5,110	9,950	5,370	3,520	9,080
5	1,420	5,080	7,750	1,720	16,500	15,000	10,300	5,110	10,100	3,160	5,340	9,540
6	478	2,500	4,440	3,600	8,800	14,300	2,740	5,610	9,360	1,250	5,560	2,820
7	1,320	3,080	3,520	7,150	7,650	15,500	11,900	5,430	3,960	4,120	7,050	1,150
8	2,480	3,920	710	2,820	2,980	6,780	17,100	5,340	3,380	4,630	7,150	1,140
9	1,880	1,740	1,300	6,500	1,530	1,570	16,900	5,200	3,250	6,580	3,110	2,850
10	2,100	466	6,600	7,450	8,020	6,510	16,400	2,910	4,540	6,490	1,270	4,170
11	4,720	376	3,170	8,860	7,850	9,600	16,500	1,410	5,060	4,080	4,010	5,510
12	2,130	1,900	3,840	4,120	4,580	11,000	8,050	9,340	5,870	2,650	4,980	5,370
13	455	5,000	5,500	7,850	11,000	26,200	1,440	15,300	7,300	1,270	8,740	3,100
14	365	3,110	4,040	8,020	10,500	38,400	9,460	15,200	3,000	3,960	9,640	992
15	2,250	3,640	710	4,680	6,000	22,700	15,500	13,600	1,560	5,820	9,160	868
16	4,000	1,740	3,800	3,560	1,440	6,010	13,600	12,600	3,380	5,690	5,420	3,840
17	3,560	512	5,450	3,300	3,340	7,300	12,200	8,200	6,670	5,420	1,410	5,280
18	2,250	1,840	6,000	2,300	7,750	7,900	12,500	2,710	7,800	5,060	7,150	8,640
19	1,640	6,600	5,450	1,290	8,440	12,200	6,640	9,220	5,240	2,640	7,100	11,200
20	466	7,450	7,250	2,680	8,750	9,760	1,210	13,900	4,000	1,300	7,200	7,150
21	3,240	7,200	2,550	7,750	7,650	12,500	7,200	15,300	2,550	3,380	7,600	3,600
22	3,560	7,050	842	5,750	4,140	17,300	8,450	15,300	1,770	5,420	7,200	2,040
23	2,450	4,480	2,450	2,780	2,820	6,240	7,050	15,400	2,370	6,550	4,840	5,420
24	3,340	547	6,850	4,640	13,400	19,500	6,190	7,050	3,920	8,860	2,440	6,960
25	4,040	4,280	4,280	6,050	12,000	23,200	7,900	1,440	7,390	7,200	8,050	4,420
26	1,500	9,220	3,170	2,700	11,100	20,100	5,160	6,510	8,270	2,940	6,190	3,880
27	466	11,500	7,650	2,380	10,800	20,200	1,390	11,100	6,350	1,310	4,590	4,080
28	332	7,450	4,600	4,800	10,700	19,400	8,050	13,600	3,290	5,060	5,510	1,180
29	1,660	4,480	981	4,680	-----	10,700	6,600	11,900	1,380	3,480	3,450	3,160
30	3,240	2,300	4,460	4,680	-----	3,280	4,220	10,700	3,130	2,390	1,900	8,860
31	3,340	-----	4,720	5,550	-----	13,300	-----	5,380	-----	2,420	1,150	-----
TOTAL	70,562	117,400	138,639	151,510	219,280	404,470	316,400	263,400	150,880	137,200	157,900	137,100
MEAN	2,276	3,913	4,472	4,887	7,831	13,050	10,550	8,497	5,029	4,426	5,094	4,570
MAX	4,720	11,500	10,400	11,500	16,500	38,400	20,900	15,400	10,100	8,860	9,640	11,200
MIN	332	376	710	1,290	1,250	1,550	1,210	1,410	1,380	1,250	1,150	868

CAL YR 1974 TOTAL 2,325,274 MEAN 6,371 MAX 20,600 MIN 332

WTR YR 1975 TOTAL 2,264,741 MEAN 6,205 MAX 38,400 MIN 332

02191200 Hudson River at Homer, Ga.

LOCATION.--Lat 34°20'15", long 83°29'17", Banks County, on downstream side of center pier of bridge on State Highway 15 at Homer, 3.6 mi (5.8 km) upstream from Webb Creek, and 10.8 mi (17.4 km) upstream from Grove Creek.

DRAINAGE AREA.--61.1 mi² (158 km²).

PERIOD OF RECORD.--Discharge: Annual maximum, water years 1951-58, and occasional low-flow measurements 1942, 1950-52, 1954, 1955, June 1959 to current year.

Chemical analyses: November 1969 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 694.61 ft (211.72 m) above mean sea level. July 10, 1950 to June 19, 1959, crest-stage gage at site 60 ft (18 m) downstream at same datum.

AVERAGE DISCHARGE.--16 years (1959-75), 110 ft³/s (3.12 m³/s), 24.45 in/yr (621.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,250 ft³/s (63.7 m³/s) Mar. 14, gage height, 10.23 ft (3.118 m); minimum, 41 ft³/s (1.16 m³/s) Oct. 3, 7, 8, gage height, 1.29 ft (.393 m).

Period of record: Maximum discharge, 5,660 ft³/s (160 m³/s) Mar. 4, 1952, gage height, 13.74 ft (4.188 m); minimum daily, 24 ft³/s (.68 m³/s) July 19, 20, 1970.

A discharge of 8.62 ft³/s (244 l/s) was measured on Sept. 23, 1955.

REMARKS.--Records good except those for periods of no gage-height record, which are fair.

REVISIONS (WATER YEARS).--WSP 1904: 1954-55(M). WSP 2104: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	46	199	84	83	129	127	274	218	73	90	61
2	43	46	88	74	92	125	123	174	120	78	82	55
3	41	46	71	69	108	117	154	557	110	99	75	54
4	43	46	64	104	330	114	122	404	105	76	73	50
5	43	50	60	87	580	112	115	163	100	71	132	48
6	43	53	57	77	229	110	110	130	94	69	103	47
7	42	47	59	72	150	110	108	124	90	70	93	60
8	42	46	71	74	120	136	105	116	89	70	80	96
9	42	46	62	83	110	112	105	130	87	69	74	62
10	43	46	58	84	101	111	110	180	84	68	73	59
11	43	46	57	269	98	122	103	116	100	78	81	286
12	42	60	57	218	187	178	100	117	130	72	70	105
13	42	49	55	220	132	623	96	126	110	66	66	80
14	42	48	54	126	110	1,920	104	112	100	68	65	68
15	42	54	69	104	102	479	109	174	90	70	63	60
16	77	50	101	92	262	250	98	180	86	85	61	58
17	60	48	70	84	235	212	96	162	85	80	59	148
18	50	74	64	80	163	241	96	134	82	85	58	1,000
19	47	64	64	77	878	348	95	118	81	75	57	1,170
20	44	138	65	84	264	191	95	110	96	70	64	197
21	44	93	62	76	174	156	94	100	96	76	56	138
22	46	65	58	72	143	144	94	96	84	68	55	122
23	46	59	57	71	264	133	93	92	80	65	53	359
24	46	55	87	89	737	215	93	88	78	64	52	350
25	47	53	118	481	322	187	96	84	77	64	50	159
26	47	50	105	217	186	139	96	82	77	80	50	122
27	47	50	84	130	153	126	93	81	82	190	73	106
28	46	49	79	109	139	120	92	81	76	130	154	96
29	46	48	99	99	-----	123	92	80	83	100	83	90
30	47	90	109	92	-----	191	92	90	76	90	63	86
31	47	-----	92	87	-----	139	-----	110	-----	85	59	-----
TOTAL	1,424	1,715	2,395	3,685	6,452	7,413	3,106	4,585	2,866	2,504	2,267	5,392
MEAN	45.9	57.2	77.3	119	230	239	104	148	95.5	80.8	73.1	180
MAX	77	138	199	481	878	1,920	154	557	218	190	154	1,170
MIN	41	46	54	69	83	110	92	80	76	64	50	47
CFSM	.75	.94	1.27	1.95	3.76	3.91	1.70	2.42	1.56	1.32	1.20	2.95
IN.	.87	1.04	1.46	2.24	3.93	4.51	1.89	2.79	1.74	1.52	1.38	3.28

CAL YR 1974 TOTAL 39,381 MEAN 108 MAX 2,330 MIN 41 CFSM 1.77 IN 23.98
WTR YR 1975 TOTAL 43,804 MEAN 120 MAX 1,920 MIN 41 CFSM 1.96 IN 26.67

PEAK DISCHARGE (BASE, 800 CFS)

NOTE.--No gage-height record May 20 to June 18, July 7-31.

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-19	1700	8.95	1,480	3-14	1600	10.23	2,250
2-24	2045	7.91	1,030	5-3	2245	8.16	1,050

SAVANNAH RIVER BASIN

02191970 Macks Creek tributary No. 2 near Lexington, Ga.

LOCATION.--Lat 33°56'28", long 82°57'18", Oglethorpe County, on right bank, 10 ft (3 m) upstream from culvert wingwall, on State Highway 77, 11.3 mi (18.2 km) northeast of junction with U.S. Highway 78, in Lexington.

DRAINAGE AREA.--1.77 mi² (4.58 km²).

PERIOD OF RECORD.--Annual maximum, water years 1960-74, December 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 510 ft (155 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 106 ft³/s (3.00 m³/s) Mar. 13, gage height, 3.62 ft (1.103 m); minimum daily during period December to September, 0.54 ft³/s (15 l/s) Sept. 5, 6.

Period of record: Maximum discharge, 494 ft³/s (14.0 m³/s) Mar. 3, 1971, gage height, 7.05 ft (2.149 m); minimum daily, 0.54 ft³/s (15 l/s) Sept. 5, 6, 1975.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				2.1	4.3	3.7	4.0	2.1	5.6	1.2	1.1	.67
2				1.9	4.0	3.4	13	1.8	2.6	1.7	1.0	.64
3				1.8	5.0	3.1	16	14	2.2	1.4	.91	.60
4				2.4	18	3.0	7.9	7.2	1.9	1.2	.93	.57
5			.68	2.1	11	2.8	5.8	4.2	1.8	1.1	.93	.54
6			.67	2.0	7.6	2.7	4.8	3.3	1.8	1.2	1.1	.54
7			.85	1.9	5.3	2.8	4.2	6.2	1.8	1.1	1.0	.64
8			.79	3.2	4.2	2.9	3.8	5.1	1.8	1.2	1.1	.66
9			.73	3.5	3.6	2.4	3.6	4.0	1.6	1.1	1.1	.64
10			.75	4.2	3.1	2.6	3.5	3.3	1.5	1.2	1.1	.61
11			.74	17	3.0	2.7	3.4	2.9	3.8	1.2	1.1	.64
12			.80	14	3.3	4.4	3.4	2.6	2.9	1.1	.89	.68
13			.75	12	2.9	36	2.8	2.4	2.0	1.1	.92	.64
14			.72	7.0	2.7	28	4.2	2.2	1.7	1.1	.82	.57
15			2.2	5.2	2.6	9.4	4.1	3.5	1.6	1.1	.80	.57
16			1.4	4.3	3.3	12	3.4	4.8	1.7	1.1	.76	.68
17			1.0	3.8	5.6	9.7	3.1	7.3	1.7	1.4	.74	1.7
18			.96	3.4	8.6	13	2.9	6.4	1.8	1.9	.75	1.0
19			2.1	3.2	12	16	2.7	4.3	1.6	1.4	.90	.77
20			2.8	5.0	6.5	8.5	2.5	3.3	1.6	1.2	.81	.72
21			2.3	3.9	5.3	6.3	2.4	2.9	1.7	1.2	.69	.70
22			1.6	3.4	4.9	5.4	2.3	2.5	1.4	1.2	.73	1.1
23			1.4	3.3	12	4.9	2.2	2.2	1.2	1.4	.68	2.6
24			2.6	3.5	18	15	2.1	2.0	1.4	1.3	.64	1.6
25			2.5	12	8.2	9.6	2.1	1.9	1.3	1.7	.64	.97
26			2.0	8.8	5.7	7.0	1.9	1.8	1.2	1.2	.68	.88
27			1.8	6.7	4.7	5.7	1.8	1.7	1.2	1.1	.72	.86
28			1.9	5.2	4.2	5.1	1.8	1.7	1.1	1.1	.72	.81
29			3.1	5.3	-----	4.5	1.7	1.9	2.5	1.5	.69	.81
30			2.9	4.9	-----	5.7	1.8	1.9	1.4	1.2	.60	.82
31		-----	2.4	4.7	-----	4.2	-----	2.6	-----	1.1	.68	-----
TOTAL				142.3	179.6	242.5	119.2	113.8	57.3	41.0	26.13	25.23
MEAN				5.24	6.41	7.82	3.37	3.67	1.91	1.32	.84	.84
MAX				17	18	36	16	14	5.6	3.4	1.1	2.6
MIN				1.8	2.6	2.4	1.7	1.7	1.1	1.1	.60	.54
CFSM				2.96	3.62	4.42	2.24	2.07	1.09	.75	.47	.47
IN.				3.41	3.77	5.10	2.51	2.39	1.20	.86	.55	.53

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G.H.	DISCHARGE
3-13	1115	3.62	106

SAVANNAH RIVER BASIN

41

02192000 Broad River near Bell, Ga.

LOCATION.--Lat 33°58'27", long 82°46'12", Elbert County, at downstream side of main channel pier of bridge on State Highway 17, 0.5 mi (0.8 km) downstream from Long Creek, 1 mi (1.6 km) south of Bells Crossroads, and 12 mi (19.3 km) southeast of Elberton.

DRAINAGE AREA.--1,430 mi² (3,700 km²), approximately.

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

Chemical analyses: November 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 357.16 ft (108.86 m) above mean sea level. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi (1.6 km) downstream at datum 1.12 ft (0.34 m) lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--44 years, 1,800 ft³/s (51.0 m³/s), 17.09 in/yr (431.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 37,100 ft³/s (1,050 m³/s) Mar. 15, gage height, 26.71 ft (8.141 m); minimum, 557 ft³/s (15.8 m³/s) Oct. 4, gage height, 3.57 ft (1.088 m).

Period of record: Maximum discharge, 79,400 ft³/s (2,250 m³/s) Oct. 2, 1929, gage height, 34.8 ft (10.61 m), from rating curve extended above 30,000 ft³/s (850 m³/s) on basis of slope-conveyance studies; minimum, 108 ft³/s (3.06 m³/s) Oct. 8, 1954. Maximum stage known since at least 1926, that of Oct. 2, 1929.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1172: 1928-30. WSP 1383: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	581	655	1,430	1,920	1,710	2,520	2,560	1,440	8,150	1,150	1,310	912
2	578	657	2,140	1,660	1,630	2,340	2,850	2,830	8,850	1,110	1,280	920
3	574	659	1,370	1,480	1,750	2,160	9,010	3,430	3,280	1,200	1,190	862
4	560	657	1,110	1,530	5,260	2,010	7,460	8,050	2,210	1,200	1,080	849
5	567	670	998	1,900	10,700	1,930	3,320	7,000	1,880	1,110	1,030	846
6	573	722	450	1,710	11,000	1,870	2,420	4,000	1,810	1,050	1,060	843
7	573	759	925	1,510	5,700	1,840	2,180	3,000	1,790	1,130	1,140	843
8	570	727	1,010	1,580	3,320	2,120	2,030	2,600	1,630	1,140	1,150	843
9	571	706	1,070	2,370	2,620	2,160	1,950	4,000	1,510	1,080	1,070	931
10	565	699	996	2,150	2,270	1,890	2,000	2,700	1,450	1,030	1,020	888
11	568	697	930	7,590	2,070	2,290	2,110	2,300	1,580	1,070	1,310	865
12	568	700	906	8,740	2,080	3,020	1,980	2,000	4,370	1,120	1,250	1,030
13	563	744	904	10,700	2,660	9,540	1,770	1,700	2,900	1,120	1,070	1,010
14	564	756	895	7,690	2,240	26,700	1,360	1,600	1,940	1,010	972	894
15	564	740	461	3,570	1,950	35,500	3,130	1,800	1,630	1,020	935	850
16	588	768	1,790	2,600	2,050	24,100	2,690	2,970	1,530	1,030	913	840
17	677	759	1,410	2,180	4,540	12,100	2,020	4,010	1,480	1,400	890	874
18	781	811	1,310	1,930	5,410	6,900	1,850	4,360	1,380	1,640	877	3,080
19	699	1,000	1,190	1,800	8,000	10,200	1,760	3,340	1,510	1,380	871	3,220
20	654	1,050	2,000	1,960	8,990	10,600	1,680	2,210	1,620	1,120	870	2,720
21	638	1,540	2,220	2,060	5,070	5,260	1,590	1,860	1,640	1,140	870	2,180
22	628	1,350	1,700	1,780	3,210	3,780	1,530	1,680	1,570	1,450	866	1,410
23	629	1,020	1,340	1,620	5,040	3,500	1,490	1,570	1,400	1,150	863	1,970
24	641	899	1,410	1,620	7,970	4,840	1,490	1,470	1,290	1,200	860	6,960
25	647	852	2,350	4,410	9,860	9,230	1,480	1,390	1,240	2,070	856	7,550
26	648	829	2,380	7,300	6,060	6,030	1,510	1,330	1,240	2,620	845	2,850
27	654	808	1,950	4,540	3,460	3,200	1,450	1,400	1,240	2,310	843	1,960
28	656	793	1,640	2,710	2,840	2,670	1,380	1,410	1,220	1,490	878	1,620
29	651	788	1,710	2,230	-----	2,420	1,340	2,160	1,190	1,360	1,190	1,380
30	653	806	2,560	1,990	-----	2,700	1,320	1,900	1,210	1,360	956	1,270
31	655	-----	2,390	1,830	-----	3,340	-----	2,430	-----	1,430	869	-----
TOTAL	19,038	24,621	46,345	98,660	122,460	208,760	71,210	83,940	65,740	40,690	31,184	53,270
MEAN	614	821	1,495	3,183	4,624	6,734	2,374	2,708	2,191	1,313	1,006	1,776
MAX	781	1,540	2,560	10,700	11,000	35,500	9,010	8,050	8,850	2,620	1,310	7,550
MIN	560	655	495	1,480	1,630	1,840	1,320	1,330	1,190	1,010	443	840
CFSM	4.3	5.7	1.05	2.23	3.23	4.71	1.66	1.89	1.53	.92	.70	1.24
IN.	5.0	5.4	1.21	2.57	3.37	5.43	1.95	2.18	1.71	1.06	.81	1.39
CAL YR 1974	TOTAL 676,444	MEAN 1,853	MAX 18,000	MIN 560	CFSM 1.30	IN 17.60						
WTR YR 1975	TOTAL 872,918	MEAN 2,392	MAX 35,500	MIN 560	CFSM 1.67	IN 22.71						

PEAK DISCHARGE (BASE, 14,000 CFS)

DATE TIME G.H. DISCHARGE
3-15 0400 26.71 37,100

SAVANNAH RIVER BASIN

02192000 Broad River near Bell, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
DEC. 12...	1350	884	6.7	6.0	11.8	
FEB. 27...	1045	3540	6.9	10.0	10.3	
MAY 15...	1150	1680	6.9	20.5	8.2	
AUG. 13...	0945	1060	7.1	25.0	8.2	

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
DEC. 12...	17	.27	.06	.08	.04	14
FEB. 27...	11	.14	<.02	--	.07	12
AUG. 13...	19	.26	<.02	--	.05	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 12...	48	20	17	.7	73	3.0
FEB. 27...	42	140	56	.7	430	4.0
AUG. 13...	49	45	32	.2	430	3.0

DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDE SEDIMENT DIS- CHARGE (T/DAY)
DEC. 30...	1410	2700	99 727
FEB. 10...	1425	2240	80 487
MAR. 14...	1515	29700	217 17400
MAY 05...	1435	6430	260 4510
JUNE 10...	1350	1440	50 197
JULY 21...	1150	1060	38 109
SEP. 02...	1220	924	88 220

SAVANNAH RIVER BASIN

43

02196820 Butler Creek at Fort Gordon, Ga.

LOCATION.--Lat 33°26'33", long 82°07'43", Richmond County, on upstream side of old bridge 600 ft (183 m) upstream from U.S. Highways 78 and 278, at Fort Gordon.

DRAINAGE AREA.--7.5 mi² (19.4 km²).

PERIOD OF RECORD.--October 1, 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85.3 m), from topographic map.

AVERAGE DISCHARGE.--7 years, 7.82 ft³/s (.221 m³/s), 14.16 in/yr (359.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 446 ft³/s (12.6 m³/s) Apr. 3, gage height, 5.73 ft (1.747 m); minimum daily, 1.3 ft³/s (33 l/s) July 3, Aug. 25.

Period of record: Maximum gage height, 7.00 ft (2.134 m), from floodmark, Mar. 3, 1971 (discharge not determined); minimum daily discharge, .10 ft³/s (2.83 l/s) June 29, July 21, 1969.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.3	12	6.5	7.0	10	10	7.2	9.8	1.5	3.7	2.3
2	2.2	2.3	5.2	5.8	7.2	11	25	8.6	6.8	1.4	3.2	2.0
3	2.1	2.3	4.3	5.6	13	9.0	14.8	15	7.7	1.3	2.7	1.7
4	2.1	2.3	3.9	8.2	38	8.8	24	13	4.0	1.4	2.3	1.5
5	2.4	4.6	3.8	6.8	17	8.8	18	6.2	3.1	2.3	2.1	1.4
6	2.3	5.7	3.8	5.9	12	8.4	16	5.4	3.2	1.9	2.4	2.1
7	2.3	3.0	5.7	5.7	9.8	9.2	14	9.4	4.2	6.5	8.9	18
8	2.0	2.8	11	9.6	8.6	12	13	9.9	2.7	2.6	7.4	5.0
9	2.1	3.3	5.0	9.8	8.4	9.2	13	55	7.0	2.6	4.3	3.1
10	2.2	3.0	4.2	6.9	8.0	9.4	14	15	23	2.4	6.0	2.5
11	2.1	2.9	3.9	17	7.8	14	14	8.7	7.9	9.5	23	2.8
12	2.1	2.9	4.4	35	13	13	12	6.7	15	4.2	7.9	7.2
13	2.1	2.7	4.4	34	9.0	11	10	6.1	6.7	2.8	4.0	9.0
14	2.2	2.9	4.1	12	7.5	52	23	5.0	4.0	17	3.0	4.0
15	2.2	3.4	1.6	10	7.2	16	22	7.0	3.3	31	2.5	2.9
16	2.3	3.2	1.8	9.0	9.2	25	11	11	3.5	15	2.2	3.0
17	2.6	3.1	6.4	6.0	25	21	11	25	2.8	11	1.9	31
18	2.3	1.6	5.3	7.7	23	34	9.7	22	2.4	6.7	1.7	16
19	2.1	6.4	12	7.7	37	39	9.1	9.5	2.1	4.8	1.7	6.7
20	2.1	9.0	22	7.8	16	18	8.5	6.8	2.0	9.7	2.1	4.8
21	2.1	6.6	15	7.0	12	14	7.7	5.3	3.7	10	1.7	10
22	2.1	4.1	7.4	6.6	20	13	7.4	4.2	2.3	4.5	1.6	6.2
23	2.6	3.7	6.0	8.0	30	13	7.2	4.0	1.8	30	1.5	7.0
24	2.7	3.7	14	19	20	32	7.1	3.6	1.8	8.7	1.4	5.5
25	2.5	3.8	15	26	13	27	6.8	3.2	2.4	26	1.3	4.9
26	2.3	3.6	4.2	13	11	14	6.2	3.5	3.2	11	2.3	4.4
27	2.3	3.6	6.6	9.0	11	13	5.8	6.5	2.5	7.7	7.1	3.8
28	2.3	3.6	6.4	8.2	10	12	5.6	3.5	1.9	5.0	9.4	3.5
29	2.2	3.6	14	7.8	-----	12	6.8	8.7	1.7	4.0	3.2	3.6
30	2.3	6.6	11	7.5	-----	14	9.0	12	1.5	4.6	2.2	4.1
31	2.4	-----	7.3	7.2	-----	11	-----	8.9	-----	4.7	1.9	-----
TOTAL	69.9	127.0	267.3	338.3	410.7	512.8	494.9	315.9	144.0	251.8	126.6	180.0
MEAN	2.25	4.23	8.62	10.9	14.7	16.5	16.5	10.2	4.80	8.12	4.08	6.00
MAX	2.7	16	22	35	38	52	148	55	23	31	23	31
MIN	2.0	2.3	3.8	5.6	7.0	8.2	5.6	3.2	1.5	1.3	1.3	1.4
CFSM	.30	.56	1.15	1.45	1.96	2.20	2.20	1.36	.64	1.08	.54	.80
IN.	.35	.63	1.33	1.68	2.04	2.54	2.45	1.57	.71	1.25	.63	.89

CAL YR 1974 TOTAL 2,553.7 MEAN 7.00 MAX 70 MIN 1.0 CFSM .93 IN 12.67
 WTR YR 1975 TOTAL 3,239.2 MEAN 8.87 MAX 148 MIN 1.3 CFSM 1.18 IN 16.07

SAVANNAH RIVER BASIN

02197000 Savannah River at Augusta, Ga.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km), revised.

DRAINAGE AREA.--7,508 mi² (19,446 km²), including that of Butler Creek.

PERIOD OF RECORD.--Discharge: October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952, and at New Savannah Bluff lock and dam sites since 1937, are contained in reports of National Weather Service. Chemical analyses: February 1968 to September 1972.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft (29.44 m) above mean sea level (Cors of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.11 m) above mean sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.87 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

AVERAGE DISCHARGE.--68 years, 10,200 ft³/s (289 m³/s), 18.45 in/yr (468.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 45,600 ft³/s (1,290 m³/s) Mar. 25, gage height, 22.24 ft (6.779 m); minimum daily, 5,520 ft³/s (156 m³/s) Sept. 16.
Period of record: Maximum discharge, 350,000 ft³/s (9,910 m³/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft³/s (18.4 m³/s) Sept. 24, 1939, from rating curve extended below 1,400 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (29.5 m³/s) Oct. 2, 1927.
Maximum flood known occurred in 1796, discharge, 360,000 ft³/s (10,200 m³/s); gage height, 40 ft (12.2 m), marked by local residents, at site and datum of Fifth Street gage, by conveyance-slope study.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell and Clark Hill Lakes (see stations 02178500, 02179500, 02187250, and 02194500).

REVISIONS (WATER YEARS).--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-3, 1906-7, 1932(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,830	6,800	6,950	7,100	15,600	18,600	36,300	6,210	8,250	5,820	6,820	5,570
2	6,200	6,760	7,000	7,180	12,300	18,600	33,300	6,650	7,360	6,470	7,000	5,600
3	6,490	6,750	6,780	7,680	12,000	16,600	34,600	6,690	8,230	6,550	6,600	6,100
4	6,640	6,540	6,600	7,360	17,000	18,500	43,900	6,370	15,400	6,710	5,460	7,670
5	6,590	6,360	6,810	7,090	19,600	18,800	36,800	7,600	15,200	6,680	5,810	7,930
6	6,620	6,590	6,710	6,930	14,800	18,300	34,200	13,600	14,900	6,530	5,910	6,520
7	6,170	6,810	6,710	6,800	17,300	16,000	36,300	12,200	11,100	5,830	6,230	7,500
8	5,830	6,790	6,960	6,880	18,500	12,800	37,100	11,500	6,900	6,020	6,690	6,570
9	6,330	7,470	6,490	6,740	18,900	10,100	32,400	12,000	6,130	7,240	6,810	6,430
10	6,410	7,140	6,960	7,200	18,000	10,600	26,700	11,500	6,840	7,040	6,510	7,060
11	6,450	6,730	6,490	8,350	21,500	13,500	22,400	9,780	6,550	6,970	6,470	6,860
12	6,550	6,540	6,770	9,210	19,800	15,100	18,400	8,570	6,810	7,130	6,660	6,730
13	6,430	6,580	6,870	13,100	17,300	18,100	15,400	11,900	8,470	6,790	6,820	7,200
14	6,380	6,780	6,450	19,900	14,600	25,300	14,500	13,100	8,070	6,040	6,810	6,840
15	6,330	6,840	7,100	17,700	12,800	31,000	17,100	11,600	6,860	7,590	6,700	5,750
16	6,570	7,070	7,020	16,000	10,500	33,600	18,500	12,300	6,310	13,000	6,670	5,520
17	6,780	6,630	6,480	16,700	8,420	38,600	18,500	14,300	7,450	10,900	6,430	6,010
18	6,710	6,850	7,260	15,500	12,200	41,800	17,300	13,200	9,150	8,530	5,850	7,660
19	6,740	6,880	7,320	12,300	23,500	41,000	14,700	13,200	10,400	7,430	5,950	7,800
20	6,680	6,420	7,210	11,700	25,100	35,100	11,900	16,200	8,900	7,350	6,490	8,240
21	6,380	7,060	7,270	14,900	27,800	38,900	11,400	16,200	6,700	6,790	6,760	7,890
22	6,350	7,020	7,250	15,500	23,100	39,600	12,400	17,500	6,380	6,570	6,890	6,270
23	6,440	7,080	7,100	15,800	22,300	39,500	15,400	16,000	6,590	6,960	6,900	6,920
24	6,520	6,890	7,100	13,300	21,800	40,300	14,000	15,100	5,710	7,030	6,470	8,530
25	6,550	6,670	7,140	12,100	22,900	43,400	10,800	13,100	6,310	7,250	5,730	8,260
26	6,730	6,690	7,700	11,800	21,800	36,800	7,810	12,400	6,490	8,590	5,830	7,560
27	6,810	6,580	7,430	14,100	19,900	39,000	6,080	14,800	6,540	7,620	6,810	7,710
28	6,340	6,870	7,130	17,500	18,700	39,900	6,000	16,900	6,660	7,160	7,730	6,840
29	6,140	6,910	7,180	16,500	-----	38,300	6,100	16,500	5,900	7,160	6,970	6,040
30	6,350	6,460	7,060	17,100	-----	38,100	6,160	14,300	5,640	6,950	6,700	6,620
31	6,630	-----	7,100	17,300	-----	38,200	-----	11,500	-----	6,980	6,340	-----
TOTAL	149,470	204,430	218,350	377,320	504,020	483,100	616,650	342,770	241,200	225,690	202,220	208,200
MEAN	6,451	6,814	7,044	12,170	18,140	28,490	20,560	12,350	8,040	7,280	6,523	6,940
MAX	6,810	7,470	7,700	19,900	27,800	43,400	43,900	17,500	15,400	13,000	7,730	8,530
MIN	5,830	6,360	6,600	6,740	8,420	10,100	6,000	6,210	5,590	5,820	5,730	5,520
(+)	-4,076	-1,632	+1,625	+3,142	+1,909	+306	-556	+373	-679	-23	-91	+435
DAY YR 1974	TOTAL 3,541,560	MEAN 9,840	MAX 29,300	MIN 5,810								
WTR YR 1975	TOTAL 4,288,120	MEAN 11,690	MAX 43,900	MIN 5,520								

† Change in contents, equivalent in cubic feet per second, in Clark Hill Lake.

02197320 Savannah River near Jackson, S. C.

LOCATION.--Lat 33°13'01", long 81°46'04", Aiken County, on left bank 1.4 mi (2.2 km) downstream from Upper Three Runs Creek, 6.2 mi (10.0 km) south of Jackson, 15.2 mi (24.5 km) upstream from Steel Creek, and at mile 156.8 (252.3 km).

PERIOD OF RECORD.--Discharge: October 1971 to current year. Discharge below 20,000 ft³/s (566 m³/s) only.

Chemical analyses: October 1972 to June 1974.

Water temperature: October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 20.22 ft (6.163 m) Mar. 3; minimum daily discharge, 6,760 ft³/s (191 m³/s) Aug. 26, Sept. 2. Maximum water temperature, 26.0°C Aug. 19, 20; minimum, 8.5°C Jan. 16, Feb. 5, 6, 7.

Period of record: Maximum gage height, 20.22 ft (6.163 m) Mar. 3, 1975; minimum daily discharge, 6,330 ft³/s (179 m³/s) Oct. 5, 1971, Oct. 23, 1973. Maximum water temperature, 26.0°C Aug. 14, 1973, July 10, 31, Aug. 27, 28, 1974, Aug. 19, 20, 1975; minimum, 5.0°C Feb. 11, 1973.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,130	7,090	7,240	7,380	17,900	19,300		7,580	13,600	7,170	7,830	7,220
2	7,080	7,200	7,270	7,330	17,000	19,100		7,930	10,600	7,360	7,730	6,760
3	7,170	7,190	7,300	7,630	14,800	18,800		8,420	9,620	7,610	7,760	6,790
4	7,430	7,180	7,240	7,730	15,800	18,400		8,540	13,000	7,630	7,280	7,450
5	7,540	7,120	7,140	7,590	17,500	18,500		8,510	15,700	7,650	6,820	8,840
6	7,520	7,030	7,100	7,430	18,100	18,700		12,200	16,400	7,620	6,790	8,020
7	7,490	7,080	7,060	7,310	17,800	18,500		13,700	16,300	7,480	6,900	8,320
8	7,220	7,190	7,070	7,220	18,100	17,700		13,600	12,400	7,060	7,330	8,510
9	6,980	7,270	7,170	7,200	18,500	15,700		13,700	8,980	7,510	7,710	7,710
10	7,100	7,720	7,220	7,200	18,700	12,800		14,000	8,060	8,100	7,750	7,730
11	7,180	7,630	7,200	8,040	18,800	13,800		13,300	8,500	8,800	7,560	7,980
12	7,220	7,370	7,200	8,850	19,300	15,000		10,900	8,500	8,810	7,700	7,810
13	7,260	7,170	7,160	11,300	19,300	16,300	19,700	11,700	9,500	8,540	8,020	7,990
14	7,230	7,100	7,130	15,400	18,600	17,700	18,500	13,600	10,100	7,830	7,960	8,200
15	7,190	7,110	7,290	17,400	17,300	19,100	18,100	13,700	9,000	8,210	7,810	7,680
16	7,170	7,220	7,570	17,500	15,300		18,400	13,600	8,090	11,500	7,600	6,900
17	7,220	7,320	7,550	17,500	12,300		18,700	14,700	8,210	14,200	7,510	6,880
18	7,380	7,240	7,520	17,500	12,000		18,700	15,400	9,510	12,500	7,220	8,050
19	7,430	7,290	7,540	16,800	16,000		18,400	15,300	10,700	10,300	6,860	9,540
20	7,410	7,330	7,640	14,500	18,700		17,000	15,900	11,100	9,250	7,040	9,480
21	7,340	7,330	7,730	15,100			14,100	16,900	9,040	8,710	7,490	9,980
22	7,170	7,400	7,850	16,200			14,600	17,600	7,950	7,980	7,660	9,080
23	7,060	7,410	7,720	16,700			15,200	17,800	7,550	8,090	7,820	8,190
24	7,030	7,390	7,610	16,800			16,000	17,500	7,200	8,280	7,640	9,530
25	7,050	7,340	7,560	15,800			15,200	16,900	7,150	8,480	7,250	9,210
26	7,080	7,230	7,540	14,700			12,000	15,600	7,900	9,190	6,760	9,330
27	7,180	7,150	7,980	14,700	20,000		8,780	15,600	8,010	9,480	7,090	8,820
28	7,250	7,090	7,670	16,300	19,600		7,570	16,500	7,920	8,610	7,880	8,310
29	7,080	7,130	7,500	17,300	-----		7,410	17,300	7,650	8,250	8,470	7,960
30	6,900	7,170	7,430	17,700	-----		7,510	17,400	7,370	8,130	7,710	7,560
31	6,900	-----	7,390	17,900	-----		-----	16,500	-----	7,920	7,610	-----
TOTAL	223,390	217,490	229,590	398,010				431,880	295,610	268,250	232,560	245,830
MEAN	7,206	7,250	7,406	12,840				13,930	9,854	8,653	7,502	8,194
MAX	7,540	7,720	7,980	17,900				17,800	16,400	14,200	8,470	9,980
MIN	6,900	7,030	7,060	7,200				7,580	7,150	7,060	6,760	6,760

SAVANNAH RIVER BASIN

02197320 Savannah River near Jackson, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	23.0	22.0	20.5	19.0	13.0	12.0	13.5	12.5	12.5	11.5	11.5	11.0
2	22.0	21.0	20.5	19.5	12.0	11.0	13.0	11.5	12.5	12.0	11.5	10.5
3	21.0	20.0	20.0	19.0	11.0	10.5	11.5	10.5	12.0	10.5	10.5	10.0
4	20.0	19.0	20.0	19.5	11.0	10.0	11.5	11.0	10.5	9.0	10.0	9.5
5	19.0	18.5	20.0	19.5	11.0	10.5	11.0	10.0	9.0	8.5	10.0	9.5
6	19.5	18.5	19.5	19.0	11.5	10.5	10.5	10.0	9.0	8.5	10.5	10.0
7	20.0	19.0	19.0	18.0	11.0	11.0	10.0	9.5	9.5	8.5	11.5	10.5
8	20.5	19.5	19.0	17.0	12.0	11.0	9.5	9.0	9.5	9.0	12.0	11.5
9	20.5	19.5	17.0	16.5	11.5	11.0	10.0	9.5	9.5	9.0	12.0	11.0
10	20.5	20.0	17.0	16.5	11.0	10.5	11.0	10.0	9.5	9.0	11.0	10.5
11	21.0	20.0	17.0	16.0	10.5	10.0	12.0	11.0	10.0	9.0	11.0	10.5
12	21.0	20.0	17.0	16.5	11.0	10.5	12.0	11.0	11.0	10.0	11.5	11.0
13	21.0	20.0	16.5	16.0	12.0	11.0	12.0	11.0	11.5	11.0	12.5	11.5
14	21.0	20.5	16.0	15.5	11.5	11.0	11.0	10.0	11.5	10.5	13.0	12.0
15	22.0	20.5	15.5	15.0	11.5	11.0	9.5	9.0	11.0	10.5	13.0	12.5
16	21.5	21.0	15.5	15.0	11.0	10.5	9.0	8.5	11.5	11.0	13.0	12.5
17	21.5	20.5	15.5	15.0	11.0	10.0	9.5	9.0	12.0	11.5	13.0	12.0
18	21.0	20.5	16.0	15.5	10.0	9.0	9.5	9.0	12.0	12.0	13.0	11.5
19	20.5	20.0	16.5	15.5	9.5	9.0	9.5	9.0	12.0	11.0	11.5	11.5
20	20.0	19.0	16.5	16.0	9.5	9.0	10.5	9.5	12.5	11.5	12.5	11.0
21	19.0	18.0	16.0	15.5	10.5	9.5	10.5	10.0	12.5	12.5	13.0	12.0
22	18.0	17.0	15.0	14.5	10.0	9.5	10.0	10.0	12.5	11.5	13.5	13.0
23	17.5	16.5	14.5	14.0	10.0	9.0	10.0	10.0	12.0	11.5	13.5	13.0
24	17.5	17.0	14.5	14.0	10.0	9.5	10.0	9.5	12.5	12.0	13.5	13.5
25	18.0	17.0	15.0	14.5	11.5	10.0	10.5	10.0	12.5	11.5	13.5	13.0
26	18.5	17.5	14.5	14.0	11.5	11.0	10.5	10.0	11.5	11.0	13.5	13.0
27	19.0	18.0	14.0	13.0	11.5	11.0	10.5	10.0	11.5	11.5	13.5	13.0
28	19.5	18.5	13.0	12.5	11.5	11.0	10.5	10.0	11.5	11.0	14.0	13.5
29	19.5	19.0	12.5	12.0	11.5	11.0	11.0	10.5	---	---	14.0	13.5
30	20.0	19.0	13.0	12.5	12.5	11.5	12.0	11.0	---	---	14.5	14.0
31	20.5	19.5	---	---	13.0	12.5	12.0	11.5	---	---	14.0	13.5
MONTH	23.0	16.5	20.5	16.0	13.0	9.0	13.5	8.5	12.5	8.5	14.5	9.5
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.0	13.5	19.5	19.0	20.0	19.5	23.5	22.0	24.0	22.5	25.0	23.5
2	14.0	14.0	20.0	18.5	20.5	20.0	24.0	22.0	24.5	22.5	25.5	24.0
3	14.0	14.0	19.5	19.0	21.5	20.0	23.0	21.5	25.0	23.0	25.5	24.0
4	14.0	13.0	20.0	18.5	21.0	19.5	23.0	21.5	25.0	23.5	25.0	23.5
5	14.0	13.0	19.5	18.5	20.0	18.5	23.5	21.5	25.5	23.5	24.5	23.5
6	14.0	13.5	19.0	18.0	20.0	18.5	23.0	22.0	25.0	24.0	24.5	23.5
7	14.0	13.5	18.0	17.0	21.0	18.5	23.0	22.0	24.5	23.5	24.0	23.0
8	14.0	13.5	17.5	16.5	21.0	20.5	23.0	22.0	23.5	22.5	24.5	23.0
9	14.0	13.5	17.0	16.5	22.0	21.0	23.5	22.5	23.0	22.0	25.0	24.0
10	14.0	13.5	17.5	16.5	22.0	21.0	22.5	21.5	23.5	22.0	25.0	23.5
11	14.0	14.0	18.0	17.0	22.0	21.0	22.5	21.5	23.5	22.5	24.5	23.5
12	14.5	14.0	18.5	18.0	22.0	20.5	22.5	21.5	24.5	23.0	24.5	23.5
13	14.5	14.0	19.0	18.5	22.0	20.5	22.5	21.5	24.5	23.0	24.0	22.5
14	14.5	14.0	18.5	17.0	22.0	21.0	22.5	21.5	25.0	23.5	22.5	22.0
15	14.5	14.0	18.5	17.0	22.0	21.0	22.5	21.5	25.0	23.5	21.5	21.0
16	14.5	14.0	18.5	17.5	22.5	21.0	22.0	21.0	25.0	23.5	21.5	20.5
17	15.0	14.5	18.0	17.0	23.0	21.5	21.5	21.5	25.5	23.5	21.5	21.0
18	16.0	15.0	19.0	17.0	23.0	21.5	22.0	21.5	25.5	24.0	21.5	21.0
19	16.5	15.5	19.5	17.5	21.5	21.0	23.0	21.5	26.0	24.0	22.5	21.5
20	17.0	16.5	19.5	18.0	22.0	21.5	23.5	22.0	26.0	24.0	23.0	22.0
21	17.0	16.5	19.5	17.5	22.0	21.5	24.0	22.5	25.0	23.5	23.0	22.5
22	17.0	16.0	19.0	17.5	23.0	21.5	24.0	23.0	25.0	23.5	23.5	23.0
23	16.5	15.5	19.0	18.0	22.5	21.0	25.0	23.0	25.0	23.5	24.5	23.5
24	16.5	15.5	19.5	18.0	22.5	21.5	24.5	23.0	25.0	23.5	24.0	23.0
25	17.5	16.5	20.0	18.5	22.5	21.5	23.5	22.5	25.5	23.5	23.0	22.5
26	18.0	17.0	20.5	18.5	21.5	20.5	24.0	22.5	26.0	24.0	22.5	21.5
27	18.5	18.0	20.0	18.5	22.0	20.5	23.5	22.0	25.5	24.0	22.0	21.5
28	20.0	18.0	19.5	18.5	22.5	21.0	24.5	23.0	24.5	23.5	21.5	21.0
29	20.0	19.0	19.0	18.0	23.0	21.0	24.5	23.5	24.5	23.0	21.5	21.0
30	20.0	19.0	19.5	18.5	23.5	21.5	24.5	23.0	25.0	23.5	21.5	21.0
31	---	---	20.0	18.5	---	---	23.5	22.5	24.5	23.5	---	---
MONTH	20.0	13.0	20.5	16.5	23.5	18.5	25.0	21.0	26.0	22.0	25.5	20.5

02197500 Savannah River at Burtons Ferry Bridge, near Millhaven, Ga.

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, at bridge on U.S. Highway 301, 2 mi (3.2 km) downstream from Rocky Creek, 9 mi (14.5 km) east of Millhaven, and at mile 118.7 (191.0 km), revised.

DRAINAGE AREA.--8,650 mi² (22,400 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1, 1939 to September 30, 1970.

Chemical analyses: February 1968 to May 1972, August 1974 to current year.

Water temperature: January 1956 to September 1970.

AVERAGE DISCHARGE.--31 years (1939-70), 10,520 ft³/s (298 m³/s), 16.52 in/yr (419.6 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 141,000 ft³/s (3,990 m³/s) Aug. 18, 1940, gage height, 27.0 ft (8.23 m); minimum daily, 2,120 ft³/s (60.0 m³/s) Sept. 9, 1951. Maximum water temperature, 30.0°C Aug. 25, 1959; minimum, 4.0°C Feb. 19, 20, 1958. Flood in October 1929 reached a stage of 30.8 ft (9.39 m), from information by Corps of Engineers, discharge, 220,000 ft³/s (6,230 m³/s), from rating curve extended above 141,000 ft³/s (3,990 m³/s).

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 14...	1145	9670	7.0	25.0	8.2
SEP. 18...	0715	7860	7.0	24.0	8.2

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 14...	18	.26	<.02	--	.10	16
SEP. 18...	19	.23	.05	.06	.07	15

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 14...	68	--	--	--	--	4.0
SEP. 18...	67	20	9	.7	930	3.0

SAVANNAH RIVER BASIN

02197500 Savannah River at Burtons Ferry Bridge, near Millhaven, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 30...	1500	6760	7.2	17.5	7.1
DEC. 04...	0900	7510	7.0	9.0	10.0
JAN. 13...	1620	10900	7.3	11.0	8.8
FEB. 25...	1500	26100	6.7	14.0	5.6
APR. 07...	1500	39900	6.6	15.5	7.1
MAY 12...	1530	15800	6.6	19.5	5.5
JULY 14...	1345	9540	6.7	23.5	5.8
AUG. 19...	0615	8350	6.8	25.0	6.8

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 30...	22	.17	.05	.06	.09	17
DEC. 04...	21	.20	.09	.12	.07	14
JAN. 13...	17	.19	.11	.14	.07	16
FEB. 25...	12	.12	<.02	--	.06	16
APR. 07...	11	.05	.02	.03	.03	14
MAY 12...	11	.21	.13	.17	.07	13
JULY 14...	15	.31	.07	.09	.11	13
AUG. 19...	18	.30	.08	.10	.07	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	410- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 30...	73	10	5	.8	930	3.0
DEC. 04...	69	25	8	.5	3900	3.0
JAN. 13...	65	60	18	1.1	2300	8.0
FEB. 25...	53	60	20	1.3	230	10
APR. 07...	43	90	19	.9	91	7.0
MAY 12...	52	70	20	.8	930	5.0
JULY 14...	58	30	15	--	--	3.0
AUG. 19...	66	30	4	.6	2300	3.0

SAVANNAH RIVER BASIN

49

02197520 Brier Creek near Thomson, Ga.

LOCATION.--Lat 33°22'06", long 82°28'06", McDuffie County, on downstream side of bridge on State Highway 17, 0.2 mi (0.3 km) upstream from Sweetwater Creek, and 6.9 mi (11.1 km) south of Thomson.

DRAINAGE AREA.--55 mi² (142 km²), approximately.

PERIOD OF RECORD.--July 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 330 ft (101 m), from topographic map.

AVERAGE DISCHARGE.--8 years, 49.1 ft³/s (1.39 m³/s), 12.12 in/yr (307.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,580 ft³/s (73.1 m³/s) Apr. 3, gage height, 14.29 ft (4.356 m); minimum, 3.5 ft³/s (99.1 l/s) Nov. 5, gage height, 4.34 ft (1.323 m).

Period of record: Maximum discharge, 4,810 ft³/s (136 m³/s) Mar. 3, 1971, gage height, 18.09 ft (5.514 m), from floodmark; minimum daily, .24 ft³/s (6.80 l/s) Sept. 24, 1968.

A discharge of .007 ft³/s (.20 l/s) was measured on Oct. 14, 1954.

REMARKS.--Records good except those for period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	3.9	41	55	48	101	77	51	53	4.3	59	10
2	8.0	3.9	21	48	47	93	151	127	40	4.0	45	12
3	7.1	3.9	14	40	80	75	1,610	84	29	4.6	35	14
4	6.7	3.8	10	50	342	69	333	143	22	7.4	28	10
5	6.0	3.7	9.2	51	252	66	177	61	18	4.3	25	8.0
6	5.3	8.1	8.5	42	135	63	135	44	16	3.9	28	6.0
7	5.0	8.6	9.2	43	98	63	114	37	16	14	77	5.0
8	5.1	8.2	27	47	78	98	100	46	14	9.6	95	20
9	5.4	9.1	19	67	71	65	93	185	13	13	42	10
10	5.2	9.1	13	53	64	63	108	128	14	48	36	7.0
11	4.8	8.9	11	115	61	99	126	187	19	175	68	10
12	4.7	8.6	12	193	118	136	100	85	89	51	53	16
13	4.6	8.4	13	595	95	117	79	58	41	29	31	20
14	4.5	8.2	12	158	67	833	161	47	22	24	23	13
15	4.5	7.7	28	108	59	310	295	61	17	166	20	10
16	4.5	7.5	82	86	65	255	137	81	15	116	17	9.0
17	4.8	7.5	37	73	269	307	105	229	14	103	15	20
18	4.5	34	25	66	251	252	87	578	11	113	13	40
19	4.7	20	29	63	1,180	510	75	149	10	114	12	30
20	4.6	15	107	61	358	215	65	88	9.3	65	11	50
21	4.5	16	105	54	172	150	56	63	8.9	52	10	100
22	4.3	11	57	49	221	126	51	51	7.7	33	11	60
23	4.4	9.2	41	50	486	114	47	42	6.4	26	13	40
24	4.4	9.0	60	108	328	221	45	35	6.3	23	11	34
25	4.5	8.9	138	169	192	355	42	29	7.5	63	9.0	27
26	4.5	8.4	89	123	131	151	38	24	12	579	14	24
27	4.5	8.2	60	79	110	116	34	37	8.0	290	19	21
28	4.2	8.2	52	67	99	104	31	26	6.2	97	13	18
29	4.1	8.1	75	62	-----	98	28	96	5.4	106	11	22
30	4.0	4.2	97	58	-----	104	33	53	4.6	200	9.0	28
31	4.0	-----	65	53	-----	49	-----	33	-----	94	8.0	-----
TOTAL	156.2	284.3	1,365.9	2,886	5,477	5,418	4,533	2,958	555.3	2,632.1	861.0	694.0
MEAN	5.04	9.48	44.1	93.1	196	175	151	95.4	18.5	84.9	27.8	23.1
MAX	8.8	34	134	595	1,180	833	1,610	578	89	579	95	100
MIN	4.0	3.7	8.5	40	47	63	28	24	4.6	3.9	8.0	5.0
CFSM	.04	.17	.80	1.69	3.56	3.18	2.75	1.73	.34	1.54	.51	.42
IN.	.11	.19	.92	1.95	3.70	3.66	3.07	2.00	.38	1.78	.58	.47

CAL YR 1974 TOTAL 14,922.4 MEAN 40.9 MAX 1,990 MIN 2.0

ATE YR 1975 TOTAL 27,821.8 MEAN 76.2 MAX 1,610 MIN 3.7

NOTE.--No gage-height record Aug. 20 to Sept. 30.

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-19	1500	13.39	2,160	4-3	1300	14.29	2,580
3-14	1600	11.64	1,460	7-26	0900	10.80	1,140

SAVANNAH RIVER BASIN

02197600 Brushy Creek near Wrens, Ga.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, at right bank on downstream side of bridge on State Highway 80, 5 mi (8.0 km) southeast of Wrens, and 5.5 mi (8.8 km) upstream from Little Brushy Creek.

DRAINAGE AREA.--28.0 mi² (72.5 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft (86.12 m) above mean sea level (levels by Georgia Department of Transportation).

AVERAGE DISCHARGE.--17 years, 29.0 ft³/s (.821 m³/s), 14.06 in/yr (357.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 355 ft³/s (10.1 m³/s) Feb. 19, gage height, 5.38 ft (1.640 m); minimum, 8.2 ft³/s (232 l/s) Oct. 11, 12.

Period of record: Maximum gage height, 8.03 ft (2.448 m) Mar. 3, 1971 (discharge not determined); minimum discharge, 5.5 ft³/s (156 l/s) Aug. 29, 30, 1968.

REMARKS.--Records good.

DISCHARGE* IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	19	18	20	37	49	32	58	16	30	13
2	11	11	14	17	20	35	222	27	53	16	23	13
3	10	12	12	16	29	32	200	56	102	15	19	14
4	10	13	12	18	78	31	75	47	48	15	17	13
5	10	15	12	20	51	30	54	29	32	15	16	11
6	9.7	18	12	16	38	29	43	22	26	16	17	15
7	9.1	14	13	16	31	32	37	23	25	39	23	33
8	9.1	13	19	17	28	42	43	26	21	21	22	19
9	9.1	13	14	23	25	26	37	25	21	17	21	15
10	8.8	13	13	19	24	29	34	23	109	21	22	14
11	8.8	13	12	45	22	43	35	33	61	26	22	15
12	8.8	13	12	65	56	46	58	28	56	22	21	20
13	9.1	13	12	136	41	34	128	25	43	18	17	20
14	9.4	13	12	64	27	184	58	21	28	18	16	18
15	9.4	14	22	39	25	124	56	28	23	30	15	15
16	9.4	13	44	31	28	123	54	44	21	51	16	15
17	9.7	13	21	25	94	140	44	93	19	46	13	28
18	9.1	22	17	20	98	127	40	139	18	67	13	26
19	8.8	19	19	20	270	256	29	48	19	56	20	21
20	8.8	19	45	19	206	130	26	34	25	33	18	34
21	8.8	20	45	19	74	68	27	26	105	25	12	82
22	8.8	15	24	17	104	58	25	24	36	24	13	35
23	9.1	14	20	20	182	51	22	21	24	34	14	32
24	8.8	13	18	44	122	224	22	20	22	28	12	24
25	8.8	13	20	51	75	103	23	19	21	40	11	19
26	8.5	13	22	39	52	58	24	19	22	59	16	17
27	8.5	13	20	25	42	58	21	20	21	65	19	16
28	9.1	12	18	21	38	46	19	19	19	36	16	15
29	10	12	23	20	-----	42	20	80	18	37	14	16
30	11	13	29	22	-----	34	28	37	17	63	13	18
31	11	-----	20	20	-----	33	-----	40	-----	54	13	-----
TOTAL	291.5	423	615	942	1,900	2,305	1,553	1,128	1,113	1,023	534	646
MEAN	9.40	14.1	19.8	30.4	67.9	74.4	51.8	36.4	37.1	33.0	17.2	21.5
MAX	11	22	45	136	270	256	222	139	109	67	30	82
MIN	8.5	11	12	16	20	26	19	19	17	15	11	11
CFSM	.34	.50	.71	1.09	2.43	2.66	1.85	1.30	1.33	1.18	.61	.77
IN.	.39	.56	.82	1.25	2.52	3.06	2.06	1.50	1.48	1.36	.71	.86

CAL YR 1974	TOTAL	7,477.7	MEAN	20.5	MAX	210	MIN	8.3	CFSM	.73	IN	9.93
WTR YR 1975	TOTAL	12,473.5	MEAN	34.2	MAX	270	MIN	8.5	CFSM	1.22	IN	16.57

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-19	2100	5.38	355	3-24	1000	5.08	304
3-19	0900	5.09	305				

SAVANNAH RIVER BASIN

51

02197830 Brier Creek near Waynesboro, Ga.

LOCATION.--Lat 33°07'05", long 81°57'50", Burke County, near left bank on downstream end of pier of bridge on State Highway 56, 3.8 mi (6.1 km) northeast of Waynesboro.

DRAINAGE AREA.--473 mi² (1,225 km²).

PERIOD OF RECORD.--July 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.78 ft (52.97 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 523 ft³/s (14.8 m³/s), 15.02 in/yr (381.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,850 ft³/s (109 m³/s) Apr. 6, gage height, 9.06 ft (2.761 m); minimum, 173 ft³/s (4.90 m³/s) Oct. 7, 8, 13, gage height, 3.18 ft (.969 m).

Period of record: Maximum discharge, 10,800 ft³/s (306 m³/s) Mar. 5, 1971, gage height, 12.28 ft (3.743 m); minimum, 95 ft³/s (2.69 m³/s) Oct. 7, 8, 1970, gage height, 2.28 ft (.695 m).

REMARKS.--Records good.

DISCHARGE* IN CUBIC FEET PER SECOND* WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235	195	268	534	576	1,170	855	442	760	244	813	455
2	213	196	280	520	531	967	868	612	739	231	662	324
3	195	197	296	531	532	844	1,150	647	851	222	742	264
4	186	197	323	543	646	769	1,330	843	759	215	609	241
5	180	198	345	492	710	731	1,920	766	656	208	468	234
6	176	211	349	446	779	707	3,540	846	587	204	396	222
7	175	219	328	437	931	682	2,170	741	531	242	389	295
8	174	238	323	435	1,350	741	1,390	708	425	255	373	259
9	174	254	316	467	1,210	704	1,090	631	372	262	382	274
10	175	253	319	455	901	671	962	649	500	288	413	294
11	176	247	329	501	735	665	893	604	418	442	465	289
12	175	239	337	578	658	721	809	600	650	398	553	271
13	174	229	337	803	663	753	764	924	854	400	491	251
14	174	226	320	886	683	836	876	952	701	465	463	256
15	176	230	333	1,040	716	982	1,170	805	580	714	488	283
16	179	229	418	1,530	811	1,310	1,150	682	702	795	460	328
17	186	227	417	1,640	940	2,450	1,170	639	574	841	374	340
18	189	242	428	1,120	935	2,350	1,390	948	422	1,410	311	495
19	191	262	468	816	1,200	2,100	1,210	1,060	375	1,250	274	718
20	191	304	558	668	1,890	2,140	919	1,070	338	1,210	252	649
21	199	348	653	591	2,270	2,000	751	1,300	335	1,040	236	751
22	206	359	591	541	2,740	2,140	652	1,200	321	780	226	1,770
23	202	380	575	534	2,580	1,660	589	795	341	612	218	1,330
24	197	393	619	615	1,880	1,350	550	568	335	503	209	787
25	192	369	654	775	1,670	1,510	516	466	287	506	207	579
26	193	325	607	783	1,990	1,500	485	417	325	551	207	574
27	193	285	512	734	1,810	1,580	467	426	305	481	291	564
28	193	263	458	812	1,470	1,850	471	523	302	610	276	540
29	194	250	507	927	-----	1,410	449	498	286	939	301	447
30	194	246	624	850	-----	1,080	436	445	264	1,370	422	388
31	196	-----	589	681	-----	933	-----	533	-----	1,150	529	-----
TOTAL	5,853	7,811	13,481	22,285	33,807	39,306	30,992	22,340	14,895	18,838	12,500	14,472
MEAN	189	260	435	719	1,207	1,268	1,033	721	497	608	403	482
MAX	235	393	654	1,640	2,740	2,450	3,540	1,300	854	1,410	813	1,770
MIN	174	195	268	435	531	665	436	417	264	204	207	222
CFSM	.40	.55	.92	1.52	2.55	2.68	2.18	1.52	1.05	1.29	.85	1.02
IN.	.46	.61	1.06	1.75	2.66	3.09	2.44	1.76	1.17	1.48	.98	1.14
CAL YR 1974	TOTAL 158,227	MEAN 433	MAX 3,150	MIN 160	CFSM .92	IN 12.44						
WTR YR 1975	TOTAL 236,580	MEAN 648	MAX 3,540	MIN 174	CFSM 1.37	IN 18.61						

PEAK DISCHARGE (BASE, 1,900 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-22	2000	8.44	3,060	4-6	0600	9.06	3,850
3-17	1900	8.26	2,830	9-22	1200	7.62	1,950

SAVANNAH RIVER BASIN

02198000 Brier Creek at Millhaven, Ga.

LOCATION.--Lat 32°56'00", long 81°39'05", Screven County, near right bank on downstream side of pier of highway bridge at Millhaven, 8.5 mi (13.7 km) upstream from Beaver Dam Creek.

DRAINAGE AREA.--646 mi² (1,670 km²).

PERIOD OF RECORD.--Discharge: October 1936 to current year. Monthly discharge only for some periods, published in WSP 1303. Chemical analyses: January 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 95.88 ft (29.22 m) above mean sea level. Prior to June 7, 1950, nonrecording gage at site 200 ft (61 m) downstream at same datum. June 7, 1950 to Apr. 30, 1951, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--39 years, 671 ft³/s (19.0 m³/s), 14.11 in/yr (358.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,450 ft³/s (97.7 m³/s) Apr. 8, gage height, 10.18 ft (3.103 m); minimum, 200 ft³/s (5.66 m³/s) Oct. 10, 13; minimum gage height, 1.60 ft (.488 m) Oct. 10.
Period of record: Maximum discharge, 25,400 ft³/s (719 m³/s) Aug. 16, 1940, gage height, 17.4 ft (5.304 m), from graph based on gage readings; minimum daily, 64 ft³/s (1.81 m³/s) Sept. 5-11, 1954.
Maximum stage known since at least 1797, 25.1 ft (7.650 m) in September or October 1929, from information by Georgia Department of Transportation, discharge, 64,000 ft³/s (1,810 m³/s), by slope-conveyance study.

REMARKS.--Records good. Slight diurnal fluctuations at low flow caused by gristmills above station. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1383: Drainage area. WSP 1503: 1956.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	217	415	691	1,020	1,980	1,420	705	687	354	1,430	410
2	262	218	384	753	965	1,720	1,290	703	696	327	1,460	505
3	262	218	359	734	932	1,450	1,490	774	806	302	1,160	574
4	248	218	350	678	1,050	1,230	1,550	1,080	941	284	934	487
5	231	220	347	650	1,060	1,080	1,660	1,190	922	270	843	351
6	221	226	355	659	1,010	995	1,620	1,210	931	263	863	296
7	215	236	380	671	990	947	2,070	1,110	850	344	835	273
8	208	242	434	655	960	1,060	3,290	1,020	761	306	841	281
9	203	244	462	668	991	1,130	2,470	1,120	753	302	663	338
10	201	252	448	644	1,210	1,080	1,750	1,300	984	304	605	346
11	201	268	419	643	1,380	1,020	1,420	1,190	770	310	617	349
12	201	278	396	689	1,250	957	1,250	1,040	968	379	664	340
13	201	277	394	988	1,130	926	1,130	924	973	509	654	339
14	201	273	402	1,070	995	937	1,220	831	879	643	712	327
15	202	268	443	1,000	896	967	1,850	871	944	1,070	713	308
16	205	265	571	1,020	858	1,040	1,840	1,160	972	1,260	632	296
17	208	271	583	1,040	1,040	1,230	1,770	1,340	827	1,270	593	311
18	210	320	574	1,220	1,340	1,570	1,540	1,560	756	1,940	592	441
19	212	330	564	1,620	1,790	2,930	1,420	1,210	866	1,480	549	587
20	211	338	571	1,500	2,150	3,020	1,500	1,070	727	1,660	513	603
21	210	388	671	1,210	2,100	2,530	1,480	1,240	562	1,610	439	671
22	210	395	760	962	2,230	2,320	1,250	1,190	496	1,440	382	855
23	215	390	823	874	2,560	2,170	1,040	1,270	467	1,320	334	901
24	222	397	835	898	3,100	2,250	935	1,370	424	1,130	309	1,260
25	224	405	778	978	2,950	2,190	852	1,130	413	941	292	1,540
26	221	423	729	1,000	2,280	1,990	782	903	536	820	278	1,170
27	218	437	745	999	1,910	1,910	759	927	477	744	270	866
28	216	426	782	1,000	1,980	1,760	850	777	433	757	325	690
29	215	389	788	967	-----	1,720	723	654	414	774	368	649
30	216	353	759	925	-----	1,920	733	615	377	751	376	639
31	216	-----	696	971	-----	1,750	-----	679	-----	1,010	355	-----
TOTAL	6,745	9,182	17,217	28,377	42,127	49,779	42,954	32,163	21,612	24,874	19,601	17,003
MEAN	218	306	555	915	1,505	1,606	1,432	1,038	720	802	632	567
MAX	262	437	835	1,620	3,100	3,020	3,290	1,560	984	1,940	1,460	1,540
MIN	201	217	347	643	858	926	723	615	377	263	270	273
CFSM	.34	.47	.86	1.42	2.33	2.49	2.22	1.61	1.11	1.24	.98	.88
IN.	.39	.53	.99	1.63	2.43	2.87	2.47	1.85	1.24	1.43	1.13	.98

CAL YR 1974 TOTAL 206,399 MEAN 565 MAX 2,730 MIN 201 CFSM .87 IN 11.89
WTR YR 1975 TOTAL 311,634 MEAN 854 MAX 3,290 MIN 201 CFSM 1.32 IN 17.95

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-24	2000	9.98	3,260	4-8	0900	10.18	3,450
3-19	2000	9.99	3,260	7-18	0600	8.19	2,110

02198000 Brier Creek at Millhaven, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
DEC. 04...	0800	351	6.8	4.5	10.7	
FEB. 25...	1425	2900	6.6	13.0	6.4	
MAY 12...	1500	1010	6.4	21.0	6.4	
AUG. 19...	0730	560	6.8	23.0	6.9	

DATE	ALKALINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC. 04...	15	<.02	<.02	--	.04	14
FEB. 25...	6	.04	<.02	--	.06	12
MAY 12...	13	.14	.09	.12	.07	18
AUG. 19...	18	.12	<.02	--	.05	20

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 04...	55	25	3	.3	230	10
FEB. 25...	39	80	20	1.0	430	12
MAY 12...	51	120	9	.6	<30	10
AUG. 19...	67	80	8	.4	91	7.0

SAVANNAH RIVER BASIN

02198500 Savannah River near Clio, Ga.
(International hydrological decade station)

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3.0 mi (4.8 km) north of Clio, and at mile 60.9 (98.0 km), revised.

DRAINAGE AREA.--9,850 mi² (25,500 km²), approximately.

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

Chemical analyses: May 1938 to April 1939, October 1964 to current year.

Water temperature: May 1938 to April 1939.

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft (4.09 m) above mean sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.22 m) higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 12,010 ft³/s (340 m³/s), 16.56 in/yr (420.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 50,600 ft³/s (1,430 m³/s) Mar. 24, 25, 30, gage height, 17.83 ft (5.435 m); minimum daily, 7,260 ft³/s (206 m³/s) Oct. 10.

Period of record: Maximum discharge, 270,000 ft³/s (7,650 m³/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft³/s (3,400 m³/s); minimum daily, 1,950 ft³/s (55.2 m³/s) Sept. 27, 1931.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell and Clark Hill Lakes (see stations 02178500, 02179500, 02187250, and 02194500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1112: 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,950	7,300	8,100	9,260	14,200	31,100	49,100	16,200	20,300	9,510	11,600	9,110
2	7,730	7,430	8,300	9,200	19,000	30,800	48,600	13,900	20,100	9,080	11,200	9,050
3	7,500	7,620	8,400	9,100	19,200	30,100	48,000	12,800	20,000	8,810	11,000	8,730
4	7,500	7,670	8,420	9,100	19,500	29,300	47,600	13,300	19,800	8,820	10,900	8,300
5	7,630	7,680	8,200	9,200	19,900	28,500	47,200	13,900	19,300	8,800	10,700	8,320
6	7,820	7,600	8,060	9,200	20,400	27,500	46,400	14,300	18,300	8,740	9,990	8,910
7	7,440	7,480	7,760	8,900	20,700	26,500	46,300	14,400	17,200	8,900	9,320	9,510
8	7,800	7,480	7,800	8,880	20,800	25,600	45,800	14,500	16,700	9,070	9,100	9,380
9	7,560	7,640	8,300	8,920	20,800	24,700	46,200	14,900	16,500	8,940	9,260	9,440
10	7,260	7,730	8,000	9,010	20,700	24,100	47,000	15,500	16,700	8,700	9,610	9,400
11	7,290	7,460	8,000	9,110	20,700	23,700	47,300	16,000	16,700	9,070	9,850	9,020
12	7,460	8,120	8,000	9,300	20,800	23,600	46,400	16,500	16,300	9,600	9,810	8,990
13	7,540	7,430	8,000	10,200	21,100	23,200	44,900	16,900	15,100	10,600	9,700	9,020
14	7,540	7,680	8,000	11,500	21,500	22,400	44,300	17,100	13,800	11,200	9,740	8,990
15	7,540	7,560	8,120	12,700	22,000	21,300	43,800	17,000	13,200	11,600	9,780	9,130
16	7,560	7,600	8,360	13,700	22,500	20,400	41,600	16,800	13,000	11,900	9,660	9,190
17	7,510	7,700	8,540	14,600	23,100	19,900	38,700	16,900	12,500	12,800	9,430	8,760
18	7,550	7,480	8,700	15,300	23,600	19,900	35,700	17,000	11,700	14,300	9,200	8,460
19	7,700	8,040	8,400	16,900	24,000	20,800	32,800	17,300	11,400	15,500	8,960	8,580
20	7,800	8,110	9,020	16,600	24,000	22,500	30,300	17,700	11,800	16,700	8,610	9,720
21	7,770	8,200	8,400	17,200	23,500	26,800	24,200	18,300	12,500	17,600	8,340	10,600
22	7,700	8,300	9,140	17,800	23,300	35,600	26,700	18,400	13,000	17,900	8,520	11,100
23	7,480	8,300	9,560	18,500	23,500	44,900	25,700	19,100	12,900	17,100	8,790	11,500
24	7,340	8,300	9,500	19,000	24,200	49,500	24,300	19,100	11,800	15,500	8,860	11,300
25	7,360	8,300	9,300	19,400	24,000	50,500	23,700	19,100	10,500	13,600	8,830	10,900
26	7,450	8,200	9,140	19,500	26,200	50,000	22,400	19,200	9,660	12,500	8,590	11,100
27	7,520	8,000	9,020	19,500	28,200	49,000	21,200	19,400	9,660	12,200	8,150	11,400
28	7,440	7,400	9,000	19,500	30,200	50,200	20,400	19,400	10,000	12,200	7,870	11,500
29	7,710	7,920	9,000	19,600	-----	50,500	19,600	20,100	10,100	12,300	8,300	11,100
30	7,600	7,900	9,100	19,600	-----	50,700	18,300	20,300	9,920	12,200	8,920	10,500
31	7,340	-----	9,260	19,400	-----	49,900	-----	20,400	-----	11,800	9,250	-----
TOTAL	235,040	235,430	265,600	424,680	627,600	1,004,440	1,109,340	526,500	430,440	367,580	291,840	291,010
MEAN	7,542	7,584	8,568	13,830	22,410	32,400	36,940	16,880	14,350	11,860	9,414	9,700
MAX	7,440	8,300	9,560	19,600	30,200	50,700	49,100	20,400	20,300	17,900	11,600	11,500
MIN	7,260	7,300	7,760	8,900	19,000	19,900	18,300	12,800	9,660	8,700	7,870	8,300
DAY 1974	TOTAL	4,485,520	MEAN	12,290	MAX	32,400	MIN	7,260				
DAY 1975	TOTAL	5,813,420	MEAN	15,930	MAX	50,700	MIN	7,260				

NOTE.--No gage-height record Nov. 21 to Jan. 5.

SAVANNAH RIVER BASIN

55

02198500 Savannah River near Clio, Ga.--Continued
(International hydrological decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)
OCT. 23...	0845	7500	70	7.0	--
NOV. 22...	0940	8300	71	7.0	9.0
DEC. 04...	1045	7940	71	7.4	10.1
18...	0915	8720	65	7.5	10.6
JAN. 17...	0955	14400	55	7.0	10.0
FEB. 21...	0945	23800	56	6.7	8.4
25...	1630	25200	54	6.9	6.0
MAR. 13...	0800	23800	58	6.9	9.0
APR. 17...	0815	39200	52	7.0	8.8
MAY 08...	0930	14400	62	7.0	7.8
13...	0700	16800	54	7.0	6.8
JUNE 19...	0830	11700	64	7.0	7.4
JULY 17...	0800	12700	60	6.7	7.4
AUG. 13...	1330	10100	67	--	6.7
19...	0945	9320	70	7.0	6.9
SEP. 11...	1330	9200	65	7.1	6.9

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)
OCT. 23...	--	--	--	--	--	--	--	--	--	--
NOV. 22...	--	--	--	--	--	--	--	--	--	--
DEC. 04...	--	--	--	--	--	--	--	--	--	--
18...	10	850	110	70	30	6.1	1.4	6.0	1.4	24
JAN. 17...	--	--	--	--	--	--	--	--	--	--
FEB. 21...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	6.2	700	190	40	20	4.0	1.3	4.5	1.3	22
APR. 17...	--	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
JUNE 19...	9.7	2000	400	100	30	4.9	1.2	6.2	1.3	30
JULY 17...	--	--	--	--	--	--	--	--	--	--
AUG. 13...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	9.6	950	200	70	20	4.6	1.1	6.6	1.5	24

SAVANNAH RIVER BASIN

02198500 Savannah River near Clio, Ga.--Continued
(International hydrological decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 to SEPTEMBER 1975

DATE	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
23...	--	--	--	--	--	.22	.21	.43	1.9	.09
NOV.										
22...	--	--	--	--	--	.25	.22	.47	2.1	.09
DEC.										
04...	--	20	--	--	--	--	--	--	--	.09
18...	0	20	5.4	5.4	.4	.24	.39	.63	2.8	.06
JAN.										
17...	--	--	--	--	--	.13	.46	.59	2.6	.09
FEB.										
21...	--	--	--	--	--	.17	.35	.52	2.3	.04
25...	--	11	--	--	--	--	--	--	--	.06
MAR.										
13...	0	18	4.4	3.7	.2	.08	.29	.37	1.6	.03
APR.										
17...	--	--	--	--	--	.17	.32	.49	2.2	.04
MAY										
08...	--	--	--	--	--	.28	.32	.60	2.7	.06
13...	--	11	--	--	--	--	--	--	--	.07
JUNE										
19...	0	25	4.2	4.6	.6	.30	.32	.62	2.7	.09
JULY										
17...	--	--	--	--	--	.26	.23	.49	2.2	.12
AUG.										
13...	--	--	--	--	--	.31	.27	.58	2.6	.09
19...	--	19	--	--	--	--	--	--	--	.08
SEP.										
11...	0	20	4.6	5.6	.2	.45	.24	.69	3.1	.16

DATE	DISSOLVED SOLIDS (DIF AT 100 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CARB- ONATE HARD- NESS (MG/L)	TUR- BID- ITY (JTU)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
23...	--	--	--	--	15	--	47	--	--	--
NOV.										
22...	--	--	--	--	--	--	210	--	--	--
DEC.										
04...	--	16	--	11	--	--	--	--	--	4.0
18...	57	21	1	9	23	--	550	6.1	1.4	11
JAN.										
17...	--	--	--	--	--	--	310	--	--	--
FEB.										
21...	--	--	--	--	--	--	420	--	--	--
25...	--	14	--	24	--	--	--	--	--	11
MAR.										
13...	48	15	0	7	.50	.90	880	4.3	.5	3.8
APR.										
17...	--	--	--	--	--	--	150	--	--	--
MAY										
08...	--	--	--	--	--	--	440	--	--	--
13...	--	15	--	25	--	--	--	--	--	6.0
JUNE										
19...	50	17	0	25	--	--	120	--	--	7.8
JULY										
17...	--	--	--	--	--	--	430	--	--	--
AUG.										
13...	--	--	--	--	--	--	88	--	--	--
19...	--	14	--	15	--	--	--	--	--	4.0
SEP.										
11...	44	16	0	10	--	--	4	--	--	10

SAVANNAH RIVER BASIN

57

02198500 Savannah River near Glyo, Ga.--Continued
(International hydrological decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT. 23...	--	--	--	--	--	--	--	--	--	--
NOV. 22...	--	--	--	--	--	--	--	--	--	--
DEC. 18...	1	1	0	0	5	5	0	0	4	4
JAN. 17...	--	--	--	--	--	--	--	--	--	--
FEB. 21...	--	--	--	--	--	--	--	--	--	--
MAR. 13...	1	0	0	0	<10	0	1	1	5	4
APR. 17...	--	--	--	--	--	--	--	--	--	--
MAY 08...	--	--	--	--	--	--	--	--	--	--
JUNE 19...	0	0	1	0	<10	2	0	0	2	2
JULY 17...	--	--	--	--	--	--	--	--	--	--
AUG. 13...	--	--	--	--	--	--	--	--	--	--
SEP. 11...	0	0	0	0	<10	0	1	0	0	0

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SF) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 23...	--	--	--	--	--	--	--	--	42	850
NOV. 22...	--	--	--	--	--	--	--	--	28	627
DEC. 18...	11	4	--	.0	0	0	20	10	15	353
JAN. 17...	--	--	--	--	--	--	--	--	81	3150
FEB. 21...	--	--	--	--	--	--	--	--	12	771
MAR. 13...	0	0	.2	.0	0	0	0	0	10	643
APR. 17...	--	--	--	--	--	--	--	--	8	847
MAY 08...	--	--	--	--	--	--	--	--	30	1170
JUNE 19...	20	32	.1	.1	0	0	10	0	30	948
JULY 17...	--	--	--	--	--	--	--	--	34	1170
AUG. 13...	--	--	--	--	--	--	--	--	23	627
SEP. 11...	15	12	.1	.0	0	0	30	5	20	497

DATE	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED GROSS ALPHA AS (UG/L)	SUS- PENDED GROSS ALPHA AS (UG/L)	DIS- SOLVED GROSS BETA AS (PC/L)	SUS- PENDED GROSS BETA AS (PC/L)	DIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)	TRITIUM IN WATER MOLE- CULES (UNITS)	TRITIUM IN WATER MOLE- CULES (COUNT. ERROR)
DEC. 04...	--	--	--	--	--	--	--	--	--	--	2360	50.0
FEB. 25...	--	--	--	--	--	--	--	--	--	--	1090	30.0
APR. 17...	42	15	<.4	1.2	3.4	1.2	2.7	1.0	.02	.04	--	--

SAVANNAH RIVER BASIN

Lakes and Reservoirs in Savannah River basin

02178500 LAKE BURTON.--Lat 34°47'37", long 83°32'26", Rabun County, on Tallulah River, 5.5 mi (8.8 km) downstream from bridge on U.S. Highway 76, 10 mi (16 km) southwest of Clayton, Ga. Drainage area, 115 mi² (298 km²). Period of record, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 1,860.0 ft (566.93 m) is equipped with eight gates 22 ft (6.71 m) wide by 6.6 ft (2.01 m) high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft (568.94 m), top of gates, is 108,000 acre-ft (133 hm³), of which 106,000 acre-ft (131 hm³) is usable storage. Lake is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

02179500 MATHIS RESERVOIR.--Lat 34°47'03", long 83°24'57", Rabun County, on Tallulah River, 1 mi (1.6 km) upstream from bridge on U.S. Highway 23, 1.8 mi (2.9 km) south of Lakemont, Ga. Drainage area, 151 mi² (391 km²). Period of record, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete slab and buttress dam. Spillway, crest elevation, 1,682.75 ft (512.90 m) is equipped with 16 gates 15.8 ft (4.82 m) wide by 6.85 ft (2.09 m) high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft (514.99 m), top of gates, is 31,200 acre-ft (38.5 hm³), of which 23,000 acre-ft (28.4 hm³) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

02187250 HARTWELL LAKE.--Lat 34°21'25", long 82°49'20", Hart County (Ga.)-Anderson County (S.C.), Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, Ga., and at mile 305 (491 km). Drainage area, 2,088 mi² (5,408 km²). Period of record, October 1959 to current year. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 2,802,000 acre-ft (3,450 hm³) Mar. 20, elevation, 664.33 ft (202.488 m); minimum, 2,316,800 acre-ft (2,860 hm³) Jan. 3, elevation, 655.67 ft (199.848 m). Extremes for period of record: Maximum contents, 2,871,000 acre-ft (3,540 hm³) Apr. 8, 1964, elevation, 665.47 ft (202.835 m); minimum, after first filling, 1,182,000 acre-ft (1,460 hm³) Oct. 16, 1961, elevation, 626.70 ft (191.018 m).

Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Usable capacity, 1,708,600 acre-ft (2,110 hm³) between elevations 625.0 ft (190.5 m), normal limit of drawdown, and 665.0 ft (202.7 m), top of gates. Dead storage below 625.0 ft (190.5 m), 1,134,100 acre-ft (1,400 hm³). Elevation of spillway crest, 630.0 ft (192.0 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by Corps of Engineers.

02194500 CLARK HILL LAKE.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.)-McCormick County (S.C.), Ga.-S.C. State line, in left spillway elevator tower of dam on Savannah River, 1.6 mi (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kiokee Creek, and at mile 237.7 (382.5 km). Drainage area, 6,150 mi² (15,900 km²), approximately. Period of record, October 1951 to current year. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum. Extremes for current year: Maximum contents, 2,853,200 acre-ft (3,520 hm³) Mar. 16, elevation, 334.40 ft (101.925 m); minimum, 2,102,400 acre-ft (2,590 hm³) Nov. 17, 18, elevation, 324.04 ft (98.767 m). Extremes for period of record: Maximum contents, 3,037,600 acre-ft (3,750 hm³) Apr. 9, 1964, elevation, 336.72 ft (102.632 m); minimum, 897,900 acre-ft (1,110 hm³) Feb. 1, 1956, elevation, 296.48 ft (90.367 m).

Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 1,730,000 acre-ft (2,130 hm³) between elevations 305.0 ft (92.96 m), normal limit of drawdown, and 335.0 ft (102.11 m), top of spillway gates. Dead storage below 305.0 ft (92.96 m), 1,170,000 acre-ft (1,440 hm³). Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by Corps of Engineers.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	Elevation (feet)†	Contents (acre-feet)	Elevation (feet)†	Contents (acre-feet)	Combined change in contents (acre-feet)
	02178500 Lake Burton		02179500 Mathis Reservoir		Lake Burton and Mathis Reservoir
Sept. 30.....	1,862.4	96,200	1,688.4	30,200	-
Oct. 31.....	1,860.8	92,100	1,683.2	26,400	-7,900
Nov. 30.....	1,857.0	82,600	1,686.9	29,100	-6,800
Dec. 31.....	1,852.4	72,100	1,688.2	30,100	-9,500
CAL YR 1974.....	-	-	-	-	-5,400
Jan. 31.....	1,852.2	71,600	1,687.9	29,800	-800
Feb. 28.....	1,858.9	87,200	1,687.9	29,800	+15,600
Mar. 31.....	1,864.7	103,000	1,688.2	30,100	+16,100
Apr. 30.....	1,864.1	101,000	1,687.3	29,400	-2,700
May 31.....	1,864.8	103,000	1,688.9	30,600	+3,200
June 30.....	1,863.4	98,900	1,688.4	30,200	-4,500
July 31.....	1,863.7	99,800	1,687.8	29,800	+500
Aug. 31.....	1,861.5	93,900	1,687.3	29,400	-6,300
Sept. 30.....	1,860.8	92,100	1,687.4	29,400	-1,800
WTR YR 1975.....	-	-	-	-	-4,900

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

Lakes and Reservoirs in Savannah River basin--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)
	02187250 Hartwell Lake			02194500 Clark Hill Lake		
Sept. 30.....	657.78	2,428,000	-	329.41	2,468,700	-
Oct. 31.....	657.44	2,409,800	-18,200	325.83	2,218,100	-250,600
Nov. 30.....	656.80	2,375,800	-34,000	324.35	2,121,000	-97,100
Dec. 31.....	655.91	2,329,200	-46,600	325.87	2,220,900	+99,900
CAL YR 1974.....	-	-	-126,800	-	-	-21,000
Jan. 31.....	658.07	2,443,500	+114,300	328.63	2,414,100	+193,200
Feb. 28.....	660.51	2,578,400	+134,900	330.13	2,520,100	+106,000
Mar. 31.....	663.17	2,732,300	+153,900	330.37	2,538,900	+18,800
Apr. 30.....	660.00	2,549,600	-182,700	329.94	2,505,800	-33,100
May 31.....	660.57	2,581,800	+32,200	330.24	2,528,700	+22,900
June 30.....	660.24	2,563,200	-18,600	329.69	2,488,300	-40,400
July 31.....	659.47	2,520,200	-43,000	329.67	2,486,900	-1,400
Aug. 31.....	658.03	2,441,300	-78,900	329.59	2,481,300	-5,600
Sept. 30.....	659.90	2,544,100	+102,800	329.96	2,507,200	+25,900
WIR YR 1975.....	-	-	+116,100	-	-	+38,500

OGEECHEE RIVER BASIN

02202000 Ogeechee River at Scarboro, Ga.

LOCATION.--Lat 32°42'38", long 81°52'46", Jenkins County, on left bank 15 ft (4.6 m) downstream from abandoned highway bridge at Scarboro, 3.5 mi (5.6 km) downstream from Sculls Creek, 6.5 mi (10.5 km) upstream from Horse Creek, and 7.5 mi (12.1 km) south-east of Millen.

DRAINAGE AREA.--1,940 mi² (5,020 km²), approximately.

PERIOD OF RECORD.--Discharge: April 1937 to June 1971. Monthly discharge only for some periods, published in WSP 1304.
Chemical analyses: January 1970 to current year.

AVERAGE DISCHARGE.--33 years (1937-70), 1,758 ft³/s (49.8 m³/s), 12.31 in/yr (312.7 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 25,700 ft³/s (728 m³/s) Mar. 8, 1971, gage height, 12.13 ft (3.697 m); minimum daily, 120 ft³/s (3.40 m³/s) Sept. 5-10, 1954.

Maximum stage known since at least 1840, 17.0 ft (5.18 m) in October 1929, from information by local residents.

Flood in 1925 reached a stage of 15.9 ft (4.85 m), from information as explained above.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 03...	1610	624	7.1	7.0	4.2
FEB. 25...	1300	16200	7.0	13.0	6.2
MAY 12...	1400	4010	6.7	20.5	5.2
AUG. 18...	1530	960	6.8	28.0	6.1

DATE	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC. 03...	23	.04	<.02	--	.04	26
FEB. 25...	8	.07	<.02	--	.05	14
MAY 12...	15	.11	.11	.14	.06	20
AUG. 18...	26	.12	.05	.06	.04	27

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- RID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 03...	69	35	7	.4	430	6.0
FEB. 25...	39	100	31	.9	91	10
MAY 12...	51	120	12	.6	230	11
AUG. 18...	73	60	7	--	--	6.0

02202190 Ogeechee River near Oliver, Ga.

LOCATION.--Lat 32°29'45", long 81°33'11", Screven County, at bridge on State Highway 24, 0.3 mi (0.5 km) upstream from Ogeechee Creek, and 2.0 mi (3.2 km) southwest of Oliver.

DRAINAGE AREA.--2,230 mi² (5,780 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG.					
14...	0730	2360	6.3	25.0	7.4
SEP.					
18...	1145	1470	6.7	23.0	7.8

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRATE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG.					
14...	12	.04	<.02	.05	20
SEP.					
18...	14	<.02	<.02	.06	18

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.						
14...	60	--	--	--	--	12
SEP.						
18...	53	70	8	.7	430	10

OGEECHEE RIVER BASIN

02202190 Ogeechee River near Oliver, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
30...	1630	456	7.4	18.0	8.6
DEC.					
04...	1150	776	7.4	7.0	11.0
JAN.					
14...	0800	4130	6.4	9.5	7.4
FEB.					
25...	1730	16800	6.5	13.0	7.6
APR.					
07...	1610	7350	6.8	14.0	6.8
MAY					
12...	1645	5100	6.9	19.5	6.0
JULY					
14...	1445	1520	6.7	23.5	5.2
AUG.					
19...	1100	1730	7.0	26.0	4.8

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.						
30...	33	.04	<.02	--	.04	29
DEC.						
04...	19	<.02	.19	.24	.04	22
JAN.						
14...	10	<.02	.04	.05	.05	13
FEB.						
25...	7	<.02	<.02	--	.04	12
APR.						
07...	15	.04	<.02	--	.05	16
MAY						
12...	14	.09	.03	.04	.06	20
JULY						
14...	15	.12	.05	.06	.05	23
AUG.						
19...	21	.10	.02	.03	.05	26

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
30...	84	10	2	.6	<30	6.0
DEC.						
04...	61	40	5	.4	230	5.0
JAN.						
14...	44	75	7	.6	430	13
FEB.						
25...	38	80	16	1.0	36	12
APR.						
07...	47	95	11	.7	230	11
MAY						
12...	53	120	12	.6	73	13
JULY						
14...	62	50	15	--	--	8.0
AUG.						
19...	77	70	8	.6	36	8.0

OGEECHEE RIVER BASIN

63

02202500 Ogeechee River near Eden, Ga.

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham County, on right bank 600 ft (183 m) downstream from bridge on U.S. Highways 25, 80, and 280, 2 mi (3.2 km) west of Eden, 2 mi (3.2 km) upstream from Seaboard Coast Line Railroad bridge, and 3 mi (4.8 km) upstream from Black Creek.

DRAINAGE AREA.--2,650 mi² (6,860 km²), approximately.

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

Chemical analyses: February 1968 to current year.

Water temperature: October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.64 ft (5.99 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft (183 m) upstream at same datum.

AVERAGE DISCHARGE.--38 years, 2,397 ft³/s (67.9 m³/s), 12.28 in/yr (311.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 17,100 ft³/s (484 m³/s) Feb. 28, Mar. 1, gage height, 12.42 ft (3.786 m); minimum, 381 ft³/s (10.8 m³/s) Oct. 28, 29. Maximum water temperature, 26.5°C July 9; minimum, 6.5°C Dec. 15, 16, Dec. 25 to Jan. 2, Jan. 9. Period of record: Maximum discharge, 26,300 ft³/s (745 m³/s) Mar. 31, 1944, gage height, 14.7 ft (4.48 m); minimum observed, 131 ft³/s (3.71 m³/s) Sept. 12-14, 1954. Maximum water temperature, 26.5°C July 9, 1975; minimum, 4.5°C Feb. 12-14, 1973. Maximum stage known since at least 1840, 20 ft (6.10 m) in October 1929, from data furnished by Central of Georgia Railway Co. Flood of January 1925, reached a stage of 19.5 ft (5.94 m), from information as explained above. Flood of April 1936, reached a stage of 15.2 ft (4.63 m), from information as explained above, discharge, 30,000 ft³/s (850 m³/s).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	397	707	1,520	5,550	16,800	9,570	4,390	3,130	1,360	4,030	685
2	848	399	725	1,620	5,260	15,700	9,240	4,110	3,360	1,260	3,980	733
3	857	399	749	1,700	5,130	13,700	8,710	3,830	3,440	1,170	3,830	815
4	824	399	767	1,760	5,150	11,800	8,230	3,850	3,150	1,040	3,540	911
5	765	399	767	1,810	5,200	10,200	7,740	3,890	2,750	956	3,250	986
6	718	401	746	1,850	5,310	9,110	7,250	4,000	2,480	824	2,910	1,020
7	686	400	716	1,860	5,350	8,280	6,830	4,270	2,370	725	2,650	1,030
8	664	399	697	1,880	5,380	7,850	6,670	4,700	2,280	673	2,560	1,110
9	641	401	683	1,990	5,470	7,240	6,900	5,260	2,290	698	2,550	1,020
10	601	400	685	2,030	5,590	6,630	7,130	5,670	2,300	715	2,450	965
11	552	408	697	2,110	5,550	6,080	7,190	5,860	2,270	735	2,290	875
12	508	417	711	2,210	5,440	5,600	7,280	5,780	2,310	812	2,150	791
13	476	427	733	2,390	5,070	5,170	8,460	5,510	2,240	857	2,010	752
14	454	440	764	2,630	4,760	4,710	10,000	5,040	2,230	905	1,900	735
15	437	452	814	2,960	4,510	4,380	10,800	4,760	2,190	1,090	1,780	715
16	428	459	895	3,540	4,270	4,350	10,700	4,620	2,100	1,400	1,680	698
17	423	467	950	3,990	4,140	4,560	11,400	4,750	2,030	1,830	1,580	705
18	420	498	1,010	4,070	4,260	4,870	11,200	4,870	2,020	2,310	1,470	815
19	419	519	1,050	3,970	4,630	5,470	11,000	4,800	2,110	2,870	1,370	1,060
20	415	546	1,080	3,910	4,940	5,920	11,500	4,830	2,200	4,150	1,300	1,130
21	404	585	1,130	3,790	5,230	6,640	11,900	4,690	2,440	7,260	1,250	1,130
22	397	606	1,160	3,780	5,520	7,470	11,400	4,750	2,540	8,670	1,180	1,300
23	395	617	1,190	3,940	6,330	8,570	10,100	5,520	2,410	7,740	1,100	1,400
24	393	618	1,220	4,130	8,960	11,500	8,820	5,710	2,370	6,380	1,020	1,370
25	391	626	1,230	4,590	13,400	14,600	7,710	5,280	2,470	5,260	935	1,350
26	387	632	1,230	5,600	16,300	14,700	6,790	4,640	2,470	4,500	848	1,390
27	385	643	1,230	6,730	16,800	13,400	6,120	4,230	2,280	4,090	770	1,450
28	382	657	1,260	6,970	17,000	11,900	5,640	3,860	2,020	3,960	718	1,470
29	383	670	1,310	6,640	-----	10,700	5,180	3,580	1,740	4,100	680	1,450
30	384	686	1,370	6,180	-----	9,970	4,740	3,340	1,520	4,180	640	1,440
31	388	-----	1,430	5,810	-----	9,710	-----	3,150	-----	4,120	645	-----
TOTAL	16,225	14,967	29,706	107,960	190,500	277,580	256,200	143,540	71,510	85,680	59,066	31,301
MEAN	523	499	958	3,483	6,804	8,954	8,540	4,630	2,384	2,796	1,905	1,043
MAX	857	686	1,430	6,970	17,000	16,800	11,900	5,860	3,440	8,670	4,030	1,470
MIN	382	397	683	1,520	4,140	4,350	4,740	3,150	1,520	673	640	685
CFSM	.20	.19	.36	1.31	2.57	3.38	3.22	1.75	.90	1.06	.72	.39
IN.	.23	.21	.42	1.52	2.67	3.90	3.60	2.01	1.00	1.22	.83	.44
CAL YR 1974	TOTAL	681,823	MEAN	1,868	MAX	10,300	MIN	382	CFSM	.70	IN	9.57
WTR YR 1975	TOTAL	1,285,235	MEAN	3,521	MAX	17,000	MIN	382	CFSM	1.33	IN	18.04

OGEECHEE RIVER BASIN

02202500 Ogeechee River near Eden, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
01...	1345	803	--	--	--
21...	1515	402	--	--	--
NOV.					
12...	1030	417	65	8.7	12.0
12...	1100	417	--	--	--
DEC.					
10...	1530	685	--	--	--
12...	1100	710	39	8.9	11.8
JAN.					
04...	1015	1860	27	7.0	10.6
22...	1050	3760	--	--	--
FEB.					
11...	0945	5540	38	6.5	8.2
MAR.					
11...	1000	6080	38	5.9	10.6
APR.					
01...	1715	9520	--	--	--
22...	0920	11600	--	--	--
22...	0930	11600	36	5.6	--
MAY					
12...	0855	5840	50	--	7.7
13...	0855	5540	--	--	--
20...	1240	4850	--	--	--
JUNE					
17...	1230	2020	70	--	5.1
JULY					
08...	1205	678	--	--	--
15...	1330	1040	80	5.6	6.1
AUG.					
10...	1545	2420	65	6.4	4.7
19...	1500	1350	--	--	--
SEP.					
15...	1230	715	83	7.3	6.7

DATE	DIS- SOLVED SILICA (PSIOP) (MG/L)	TOTAL IRON (PP) (MG/L)	DIS- SOLVED IRON (PP) (MG/L)	TOTAL MANG- NESE (MN) (MG/L)	DIS- SOLVED MANG- NESE (MN) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
NOV.										
12...	11	510	320	71	34	9.2	1.0	4.6	1.0	36
DEC.										
12...	13	--	340	--	20	8.4	.9	4.3	1.0	28
JAN.										
04...	13	740	300	40	10	4.4	.7	3.6	.9	10
FEB.										
11...	10	--	--	--	--	5.0	.8	3.5	.9	10
MAR.										
11...	8.5	--	--	--	--	4.6	.9	3.3	.9	15
APR.										
22...	--	1400	630	20	10	--	--	--	--	--
MAY										
12...	8.2	--	--	--	--	5.7	1.1	2.8	.9	20
JUNE										
17...	11	--	--	--	--	7.3	1.3	4.0	1.1	30
JULY										
15...	--	960	570	100	60	--	--	--	--	--
AUG.										
10...	--	--	1100	--	50	--	--	--	--	--
SEP.										
15...	13	--	--	--	--	10	1.3	5.0	1.2	35

OGEECHEE RIVER BASIN

65

02202500 Ogeechee River near Eden, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
NOV. 12...	0	30	3.2	7.3	.5	.01	.22	.23	1.0	.03
DEC. 12...	0	23	4.9	5.3	.2	.03	.27	.30	1.3	.04
JAN. 08...	--	8	6.3	5.4	.1	.01	.34	.35	1.6	.04
FEB. 11...	0	8	5.4	5.5	.3	.00	.47	.47	2.1	.01
MAR. 11...	--	12	4.7	4.8	.2	.00	.40	.40	1.8	.03
APR. 22...	--	--	--	--	--	--	--	--	--	--
MAY 12...	--	16	4.7	4.4	.2	.12	.63	.75	3.3	.06
JUNE 17...	--	25	3.6	3.9	.3	.11	1.3	1.4	6.2	.06
JULY 15...	--	--	--	--	--	.23	.31	.54	2.4	.05
AUG. 10...	--	--	--	--	--	.06	.68	.74	3.3	.04
SEP. 15...	0	29	4.9	4.9	.2	.17	.22	.39	1.7	.03

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TUR- BID- ITY (JTU)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL R MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 12...	86	27	0	3	--	--	42	--	--	9.8
DEC. 12...	28	25	2	5	--	--	67	--	--	--
JAN. 08...	42	14	6	7	--	--	17	--	--	12
FEB. 11...	38	16	8	5	--	--	69	--	--	--
MAR. 11...	50	15	3	8	--	--	1300	--	--	--
APR. 22...	--	--	--	--	--	--	97	--	--	9.6
MAY 12...	70	19	2	10	--	--	60	--	--	--
JUNE 17...	70	24	0	10	4.8	7.1	99	22	2.4	--
JULY 15...	--	--	--	--	--	--	11	--	--	5.8
AUG. 10...	--	--	--	--	--	--	7	--	--	--
SEP. 15...	60	30	2	3	--	--	44	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

02202500 Ogeechee River near Eden, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.5	21.5	15.0	15.0	9.5	9.5	6.5	6.5	9.0	9.0	11.5	11.5
2	21.5	21.5	15.5	15.0	9.5	9.0	6.5	6.5	9.5	9.0	11.5	11.5
3	21.5	21.0	15.5	15.5	9.0	9.0	7.0	6.5	9.5	9.5	12.0	11.5
4	21.0	21.0	15.5	15.5	9.0	8.5	7.0	7.0	9.5	9.5	11.5	11.0
5	21.0	20.0	15.5	15.5	8.5	8.5	7.0	7.0	9.5	9.5	11.5	11.0
6	20.0	19.5	15.5	15.5	8.5	8.5	7.0	7.0	9.5	9.5	12.0	11.5
7	19.5	19.5	15.5	15.5	8.5	7.5	7.0	7.0	9.5	9.5	12.0	12.0
8	19.5	19.0	15.5	15.5	7.5	7.5	7.0	6.5	9.5	9.5	12.5	12.0
9	19.0	19.0	15.5	15.5	7.5	7.5	6.5	6.5	9.5	9.5	12.5	12.5
10	19.0	19.0	15.5	15.0	8.0	7.5	7.0	6.5	9.5	9.0	13.0	13.0
11	19.0	19.0	15.0	15.0	8.0	7.5	7.0	7.0	9.0	9.0	13.0	13.0
12	19.0	18.5	15.0	15.0	8.0	7.5	7.0	7.0	9.0	9.0	13.0	13.0
13	18.5	18.5	15.0	14.5	7.5	7.5	7.0	7.0	9.0	9.0	13.0	13.0
14	18.5	18.5	14.5	14.0	7.5	7.5	7.5	7.5	9.0	9.0	13.0	13.0
15	18.5	18.0	14.0	14.0	7.5	6.5	7.5	7.5	9.5	9.0	13.5	13.0
16	18.0	17.5	14.0	13.5	7.0	6.5	8.0	7.5	9.5	9.5	13.5	14.0
17	17.5	17.5	13.5	12.5	7.0	7.0	8.0	8.0	9.5	9.5	14.0	14.0
18	17.5	17.5	12.5	12.5	7.0	7.0	8.0	8.0	9.5	9.5	14.0	14.0
19	17.5	17.0	12.5	12.5	7.0	7.0	8.5	8.0	10.0	9.5	14.0	13.5
20	17.0	17.0	12.5	12.5	7.0	6.5	8.5	8.5	10.5	10.0	13.5	13.5
21	17.0	16.5	12.5	12.0	7.0	6.5	8.5	8.5	10.5	10.5	13.5	13.5
22	16.5	16.5	12.0	12.0	7.0	7.0	8.5	8.5	10.5	10.5	13.5	13.5
23	16.5	16.0	12.0	12.0	7.0	7.0	8.5	8.5	11.0	10.5	14.0	13.5
24	16.0	16.0	12.0	12.0	7.0	6.5	8.5	8.5	11.5	11.0	14.0	14.0
25	16.0	15.5	12.0	11.5	6.5	6.5	8.5	8.0	11.5	11.5	15.0	14.0
26	15.5	15.5	11.5	11.5	6.5	6.5	8.0	8.0	11.5	11.5	15.0	15.0
27	15.5	15.5	11.5	11.0	6.5	6.5	8.5	8.0	11.5	11.5	15.0	14.5
28	15.5	15.5	11.0	11.0	6.5	6.5	8.5	8.5	11.5	11.5	14.5	14.5
29	15.5	15.0	11.0	10.0	6.5	6.5	9.0	8.5	---	---	14.5	14.5
30	15.0	15.0	10.0	9.5	6.5	6.5	9.0	9.0	---	---	14.5	14.5
31	15.0	15.0	---	---	6.5	6.5	9.0	9.0	---	---	14.5	14.5
MONTH	21.5	15.0	15.5	9.5	9.5	6.5	9.0	6.5	11.5	9.0	15.0	11.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	14.5	18.0	17.5	23.0	22.5	25.0	25.0	24.0	24.0	25.0	25.0
2	15.0	15.0	18.5	18.0	23.5	23.0	25.0	25.0	24.0	24.0	25.5	25.0
3	15.0	15.0	18.5	19.0	23.5	23.0	25.5	25.0	24.0	24.0	25.5	25.0
4	15.0	15.0	19.0	19.0	23.0	22.5	25.5	25.5	24.5	24.0	25.0	25.0
5	15.0	15.0	19.0	19.0	22.5	22.5	25.5	25.5	24.5	24.5	25.0	25.0
6	15.5	15.0	19.5	19.0	23.0	22.5	25.5	25.5	24.5	24.5	25.0	25.0
7	15.0	15.0	19.5	19.5	23.0	23.0	25.5	25.5	25.0	24.5	25.0	25.0
8	15.0	15.0	20.0	19.5	23.0	23.0	25.5	25.5	25.0	25.0	25.0	24.5
9	15.0	15.0	20.0	20.0	23.5	23.0	26.5	26.0	25.0	25.0	24.5	24.5
10	15.0	15.0	20.0	20.0	23.5	23.5	26.0	25.0	25.0	25.0	24.5	24.0
11	15.5	15.0	20.0	20.0	24.0	23.5	25.0	24.0	25.0	25.0	24.0	24.0
12	15.5	15.5	20.0	20.0	24.0	23.5	24.5	24.0	25.0	25.0	24.0	24.0
13	15.5	15.5	20.0	20.0	23.5	23.5	24.5	24.5	25.0	25.0	24.0	24.0
14	15.5	15.5	20.0	20.0	23.5	23.5	24.5	23.5	25.0	25.0	24.0	24.0
15	15.5	15.5	20.5	20.0	23.5	23.5	24.5	24.0	25.0	25.0	24.0	24.0
16	15.5	15.5	20.5	21.0	23.5	23.5	24.5	24.0	25.0	25.0	24.0	24.0
17	16.0	15.5	21.5	21.0	24.0	23.5	24.0	24.0	25.0	25.0	24.0	24.0
18	16.0	16.0	21.5	21.5	24.5	24.0	24.0	24.0	25.0	24.5	24.0	23.5
19	16.0	16.0	21.5	21.5	24.5	24.5	24.0	24.0	24.5	24.5	23.5	23.0
20	16.0	16.0	21.5	21.5	25.0	24.5	24.0	24.0	24.5	24.5	24.0	23.5
21	16.5	16.0	21.5	21.5	25.5	25.0	24.5	24.0	24.5	24.5	24.5	23.5
22	16.5	16.5	22.0	21.5	25.5	24.5	24.0	23.5	24.5	24.5	24.5	23.5
23	16.5	16.5	22.5	22.0	25.0	24.5	23.5	23.0	24.5	24.5	24.5	24.0
24	16.5	16.5	22.5	22.0	25.0	25.0	23.0	23.0	24.5	24.5	24.5	24.0
25	16.5	16.5	22.0	22.0	25.5	25.0	23.0	23.0	24.5	24.5	24.0	23.0
26	16.5	16.5	22.0	22.0	25.5	25.0	23.0	23.0	24.5	24.5	23.0	22.0
27	17.0	16.5	22.0	22.0	25.0	25.0	23.5	23.0	24.5	24.5	22.0	21.5
28	17.0	17.0	22.0	22.0	25.5	25.0	24.0	23.5	25.0	24.5	21.5	21.0
29	17.5	17.0	22.0	22.0	25.0	25.0	24.0	24.0	25.0	25.0	21.5	21.0
30	17.5	17.5	22.5	22.0	25.0	25.0	24.0	24.0	25.0	25.0	20.5	20.5
31	---	---	22.5	22.5	---	---	24.0	24.0	25.0	25.0	---	---
MONTH	17.5	14.5	22.5	17.5	25.5	22.5	26.5	23.0	25.0	24.0	25.5	20.5

OGEECHEE RIVER BASIN

02203000 Canoochee River near Claxton, Ga.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, on right bank 400 ft (122 m) upstream from bridge on State Highway 73, 2 mi (3.2 km) northeast of Claxton, and 10 mi (16.1 km) upstream from Lotts Creek.

DRAINAGE AREA.--555 mi² (1,440 km²), approximately.

PERIOD OF RECORD.--Discharge: May 1937 to current year.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 80.5 ft (24.54 m) above mean sea level (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 472 ft³/s (13.4 m³/s), 11.55 in/yr (293.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,270 ft³/s (149.2 m³/s) Apr. 17, gage height, 13.09 ft (3.990 m); minimum, 4.7 ft³/s (133 l/s) Nov. 9, 10, 12, 15.

Period of record: Maximum discharge, 12,600 ft³/s (357 m³/s) May 26, 1966, gage height, 16.58 ft (5.054 m); minimum observed, 0.86 ft³/s (24 l/s) Sept. 8-14, Oct. 25, 26, Nov. 2, 1954.

REMARKS.--Records good except those below 10 cfs (.28 m³/s), which are fair. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1112: 1939-41, 1944.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	7.1	36	100	1,130	2,280	1,410	568	447	160	2,770	56
2	61	7.0	37	96	994	1,830	1,290	783	413	138	2,130	46
3	54	6.7	36	94	906	1,510	1,220	864	427	109	1,750	84
4	45	6.6	35	95	899	1,250	1,260	919	477	88	1,880	170
5	37	6.4	35	99	958	1,060	1,420	938	391	72	1,830	152
6	32	6.5	35	100	1,060	924	1,420	946	261	57	1,480	116
7	27	6.2	41	100	1,150	839	1,230	921	178	46	1,130	99
8	25	5.9	50	110	1,190	811	1,050	861	139	44	993	123
9	28	5.4	52	159	1,220	809	993	894	118	47	883	120
10	27	5.4	47	183	1,230	785	966	999	116	44	887	100
11	24	5.3	45	218	1,160	784	929	983	117	67	819	108
12	20	5.3	44	299	1,020	790	881	771	148	136	874	105
13	17	5.2	50	702	924	783	857	590	256	123	1,130	104
14	14	5.2	66	1,050	835	765	981	471	301	384	1,490	103
15	13	5.5	71	1,370	774	741	2,120	386	561	572	1,310	185
16	12	5.4	80	1,390	717	791	4,230	426	742	775	898	276
17	11	5.8	95	1,200	675	1,030	5,030	695	733	1,160	662	208
18	10	7.6	98	977	702	1,280	4,460	831	572	2,820	533	180
19	10	8.6	98	909	781	1,860	4,100	1,050	471	4,850	399	163
20	10	15	101	907	891	2,600	3,260	1,360	491	5,190	273	150
21	9.4	26	126	897	994	2,900	2,520	1,140	556	4,640	158	208
22	8.8	51	145	861	1,260	2,800	2,030	847	655	3,410	106	291
23	8.7	53	140	847	2,120	2,600	1,690	800	744	2,360	89	407
24	8.4	59	137	859	3,400	2,600	1,370	724	842	1,750	79	553
25	8.0	61	137	889	3,000	2,500	1,090	568	694	1,360	81	656
26	7.8	60	133	1,000	2,800	2,450	893	407	517	1,020	78	642
27	7.7	54	124	1,110	2,600	2,600	768	339	400	783	65	524
28	7.6	47	115	1,230	2,400	2,370	678	240	308	655	54	399
29	7.6	41	109	1,330	-----	1,950	617	213	234	684	49	359
30	7.3	37	106	1,340	-----	1,720	574	318	174	1,420	63	309
31	7.1	-----	103	1,260	-----	1,560	-----	463	-----	2,890	66	-----
TOTAL	640.4	621.1	2,527	21,781	37,790	49,572	51,337	22,315	12,483	37,854	25,009	6,996
MEAN	20.7	20.7	81.5	703	1,350	1,599	1,711	720	416	1,221	807	233
MAX	75	61	145	1,390	3,400	2,900	5,030	1,360	842	5,190	2,770	656
MIN	7.1	5.2	35	94	675	741	574	213	116	44	49	46
CFSM	.04	.04	.15	1.27	2.43	2.88	3.08	1.30	.75	2.20	1.45	.42
IN.	.04	.04	.17	1.46	2.53	3.32	3.44	1.50	.84	2.54	1.68	.47
CAL YR 1974	TOTAL	146,263.5	MEAN	401	MAX	3,070	MIN	4.7	CFSM	.72	IN	9.80
WTR YR 1975	TOTAL	268,925.5	MEAN	737	MAX	5,190	MIN	5.2	CFSM	1.33	IN	18.03

02203000 Canoochee River near Claxton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 04...	1255	35	7.1	7.0	9.2
FEB. 25...	1135	3340	6.0	13.5	6.9
MAY 13...	0850	608	6.7	19.5	5.9
AUG. 19...	1245	399	5.8	25.0	5.2

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
DEC. 04...	5	<.02	.05	.06	.10	8
FEB. 25...	<1	<.02	<.02	--	.03	8
MAY 13...	2	.04	.05	.06	.05	7
AUG. 19...	3	.06	.03	.04	.05	8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 04...	44	60	3	.7	930	10
FEB. 25...	37	100	7	.3	430	18
MAY 13...	32	160	6	1.0	36	21
AUG. 19...	36	160	8	1.1	230	21

NORTH NEWPORT RIVER BASIN

02203559 Peacock Creek at McIntosh, Ga.

LOCATION.--Lat 31°48'49", long 81°31'13", Liberty County, at culvert on county road 0.4 mi (0.6 km) southwest of U.S. Highway 82, and 0.9 mi (1.4 km) south of McIntosh.

DRAINAGE AREA.--33.0 mi² (85.5 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1966 to current year.
Chemical analyses: September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.40 ft (0.12 m) above mean sea level (levels by Georgia Department of Transportation).

AVERAGE DISCHARGE.--9 years, 28.3 ft³/s (.801 m³/s), 11.65 in/yr (295.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 472 ft³/s (13.4 m³/s) Apr. 16, gage height, 9.83 ft (2.996 m); minimum daily, 0.60 ft³/s (17.0 l/s) Nov. 29.

Period of record: Maximum gage height, 11.33 ft (3.453 m) Sept. 1, 1969, discharge not determined; minimum daily discharge, 0.18 ft³/s (5.1 l/s) May 31, 1967.

REMARKS.--Records good. Low flows augmented by sewage effluent from city of Hinesville. Low flows are also affected for small portions of some days during spring tides.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	1.3	1.6	4.4	14	19	9.9	35	9.9	2.7	71	3.0
2	5.9	1.4	1.1	3.6	12	18	9.1	42	8.4	2.8	49	2.8
3	4.1	1.7	.84	2.9	17	14	12	36	19	2.5	33	2.8
4	3.0	1.8	.84	2.9	28	12	11	83	13	2.2	22	3.0
5	2.7	2.1	.85	4.1	27	10	9.6	55	7.7	3.0	18	2.8
6	2.8	2.4	1.1	3.4	24	9.3	6.9	33	4.8	3.3	19	3.0
7	2.5	2.8	1.9	3.2	21	8.2	5.8	20	3.2	2.7	14	3.7
8	2.3	2.2	4.0	13	17	7.8	4.8	13	2.3	2.5	11	12
9	2.3	1.8	2.8	31	14	6.9	4.1	12	5.4	13	14	8.2
10	1.9	1.8	2.0	24	13	6.3	4.6	11	28	4.8	15	7.7
11	2.4	2.5	2.0	20	11	6.1	10	8.8	19	6.3	61	6.5
12	2.3	2.3	2.2	21	11	6.1	9.9	6.7	27	29	46	20
13	1.7	.91	2.8	25	11	6.0	8.0	8.4	19	22	32	15
14	2.0	1.1	2.8	22	9.5	6.0	55	20	10	18	19	9.2
15	2.4	1.4	4.7	18	8.7	5.4	348	18	6.5	24	12	5.2
16	2.5	1.3	11	15	8.1	55	444	24	5.0	37	7.7	3.0
17	3.8	1.0	6.9	12	7.8	97	316	150	3.3	52	5.4	8.2
18	2.3	2.0	6.6	11	7.4	84	215	200	3.0	51	4.3	29
19	1.9	2.9	5.8	9.6	7.0	156	148	140	46	43	4.6	23
20	2.1	4.4	5.7	27	7.2	172	56	90	38	37	5.8	15
21	1.8	5.8	13	29	6.8	131	24	54	30	27	5.4	11
22	1.4	.90	9.2	25	9.4	70	16	24	24	21	4.6	17
23	1.6	.90	8.0	31	18	45	11	15	10	13	3.3	28
24	1.5	.80	6.8	39	42	35	8.6	9.5	6.5	8.2	2.8	61
25	1.3	.80	5.8	40	60	35	6.9	6.5	4.8	24	6.5	43
26	1.1	.74	4.7	49	44	29	5.4	10	7.3	90	5.2	29
27	1.1	.83	3.6	38	33	24	4.4	37	7.3	95	4.3	16
28	1.0	.67	3.1	30	25	20	3.9	21	6.1	106	3.5	10
29	1.3	.60	3.0	25	-----	17	9.9	11	4.8	93	5.0	6.9
30	1.4	.91	2.8	20	-----	14	69	8.2	3.7	74	3.5	5.4
31	1.2	-----	2.8	16	-----	12	-----	7.1	-----	85	3.3	-----
TOTAL	73.3	52.06	130.33	615.1	513.9	1,137.1	1,845.8	1,209.2	383.0	995.0	511.2	410.4
MEAN	2.36	1.74	4.20	19.8	18.4	36.7	61.5	39.0	12.8	32.1	16.5	13.7
MAX	7.7	5.8	13	49	60	172	444	200	46	106	71	61
MIN	1.0	.60	.84	2.9	6.8	5.4	3.9	6.5	2.3	2.2	2.8	2.8
CFSM	.07	.05	.13	.60	.56	1.11	1.86	1.18	.39	.97	.50	.42
IN.	.08	.06	.15	.69	.58	1.28	2.08	1.36	.43	1.12	.58	.46
CAL YR 1974	TOTAL 6,499.12	MEAN 17.8	MAX 194	MIN .60	CFSM .54	IN 7.33						
WTR YR 1975	TOTAL 7,876.39	MEAN 21.6	MAX 444	MIN .60	CFSM .65	IN 8.88						

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3-20	0030	8.52	180	5-18	unknown	8.83	208
4-16	0230	9.83	472				

NORTH NEWPORT RIVER BASIN

71

02203559 Peacock Creek at McIntosh, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
NOV. 12...	1340	3.5	180	24	6.9	17.0	4.1					
JAN. 14...	1445	22	150	16	6.2	10.0	6.9					
MAR. 11...	1245	6.1	128	20	5.9	18.8	4.4					
MAY 27...	1315	36	49	12	5.4	26.0	3.8					
JULY 22...	1355	20	64	12	4.4	28.0	3.4					
SEP. 23...	1345	21	106	13	6.3	27.0	3.2					

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	DIS- SOLVED CALCIUM (CA) (MG/L)	DIS- SOLVED MAGNE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 12...	17	280	23	8.4	4.6	26	4.0	70	0	57	14	20
JAN. 14...	19	780	50	5.4	2.9	10	1.7	21	0	17	16	12
MAR. 11...	16	550	40	6.5	3.6	16	2.4	38	0	31	13	16
MAY 27...	7.3	540	300	3.0	1.4	5.5	1.5	8	0	7	12	6.0
JULY 22...	15	1000	0	4.8	1.8	8.5	1.2	10	0	8	10	9.5
SEP. 23...	15	940	30	5.2	1.8	7.5	1.7	10	0	8	11	9.3

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (N03) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (N02) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)
NOV. 12...	1.8	.60	2.7	.10	.33	.70	166	40	0	50	6.7	--
JAN. 14...	.4	.12	.53	.00	.00	.12	124	25	8	200	--	--
MAR. 11...	.3	.38	1.7	.04	.13	.42	120	31	0	100	2.6	360
MAY 27...	.3	.09	.40	.01	.03	.10	81	13	7	200	--	--
JULY 22...	.3	.06	.27	.01	.03	.07	106	19	11	270	3.3	230
SEP. 23...	.3	.14	.62	.01	.03	.15	105	20	12	300	--	650

NORTH NEWPORT RIVER BASIN

02203566 Riceboro Creek near Riceboro, Ga.

LOCATION.--Lat 31°45'16", long 81°27'38", Liberty County, at gaging station on north side of stream, 0.4 mi (0.6 km) northwest of the Riceboro and Barrington Ferry Road, and 2.4 mi (3.9 km) northwest of Riceboro.

DRAINAGE AREA.--29.2 mi² (75.6 km²).

PERIOD OF RECORD.--Chemical analyses: September 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
NOV. 12...	1250	5900	9.0	7.4	17.2	4.4						
JAN. 14...	1400	168	23	7.3	7.5	6.8						
MAR. 11...	1215	148	22	6.9	16.0	6.8						
MAY 27...	1230	74	30	6.2	23.5	4.0						
JULY 22...	1315	79	12	5.1	26.0	3.4						
SEP. 23...	1300	175	14	7.7	25.0	4.4						
DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 12...	12	360	180	58	93	1000	42	265	0	217	280	1600
JAN. 14...	7.6	290	61	8.2	3.7	18	1.7	17	0	14	14	32
MAR. 11...	5.4	270	60	10	3.6	15	1.0	20	0	16	7.0	30
MAY 27...	7.1	770	90	7.4	2.1	9.7	1.1	16	0	13	9.0	10
JULY 22...	9.6	660	10	7.6	2.4	8.0	.9	20	0	16	8.3	15
SEP. 23...	9.6	530	70	11	4.7	25	2.0	24	0	20	13	45
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO ₂) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)
NOV. 12...	.5	.00	.00	.01	.03	.01	3830	530	310	200	5.4	--
JAN. 14...	.3	.01	.04	.00	.00	.01	110	36	22	100	--	--
MAR. 11...	.3	.01	.04	.00	.00	.01	122	40	23	100	.9	180
MAY 27...	.4	.07	.31	.01	.03	.08	120	27	14	300	--	--
JULY 22...	.3	.01	.04	.01	.03	.02	1119	29	12	350	2.2	792
SEP. 23...	.3	.01	.04	.01	.03	.02	174	47	27	250	--	400

02203570 Riceboro Creek at Riceboro, Ga.

LOCATION.--Lat 31°44'43", long 81°25'37", Liberty County, at gaging station 0.1 mi (0.2 km) downstream from Seaboard Coast Line Railroad bridge, and 0.5 mi (0.8 km) northeast of Riceboro.

DRAINAGE AREA.--31.7 mi² (82.1 km²).

PERIOD OF RECORD.--Chemical analyses: September 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV. 12...	1045	17900	18	7.3	16.2	6.2
JAN. 14...	1135	6800	22	7.9	12.0	6.2
MAR. 11...	1015	8420	14	8.1	14.5	6.2
MAY 27...	1100	2150	24	6.7	27.0	3.4
JULY 22...	1210	950	9.6	6.1	27.4	3.9
SEP. 23...	1130	11040	14	8.0	27.0	4.0

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 12...	5.8	250	45	160	340	3900	160	157	0	129	970	6900
JAN. 14...	12	300	80	60	150	1400	60	125	0	103	300	2000
MAR. 11...	9.8	310	60	64	170	1600	55	110	0	90	360	2600
MAY 27...	6.5	620	80	17	30	290	14	62	0	51	82	420
JULY 22...	9.7	550	30	11	17	160	7.4	35	0	29	34	210
SEP. 23...	9.7	220	60	80	230	1900	71	111	0	91	500	3200

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO ₂) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)
NOV. 12...	.6	.00	.00	.01	.03	.01	13300	1800	1700	100	3.8	--
JAN. 14...	.5	.09	.40	.00	.00	.09	4830	770	660	200	--	--
MAR. 11...	.6	.01	.04	.00	.00	.01	5000	860	770	10	1.2	30
MAY 27...	.6	.04	.18	.01	.03	.05	925	170	120	450	--	--
JULY 22...	.5	.03	.13	.01	.03	.04	4491	97	89	450	2.6	1350
SEP. 23...	.5	.10	.44	.02	.07	.12	7040	1100	1100	200	--	400

NORTH NEWPORT RIVER BASIN

02203574 North Newport River near Seabrook, Ga.

LOCATION.--Lat 31°42'10", long 81°19'54", Liberty County, 2.5 mi (4.0 km) south of Seabrook, 6.5 mi (10.5 km) southeast of Riceboro, and at mile 14.5 (23.3 km).

DRAINAGE AREA.--144 mi² (373 km²).

PERIOD OF RECORD.--Chemical analyses: September 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
NOV. 12...	0930	30600	31	7.4	17.8	6.3						
JAN. 14...	1020	28700	34	8.4	13.5	7.4						
MAR. 11...	0945	30300	42	8.4	13.8	7.9						
MAY 27...	0950	25100	36	7.3	28.2	3.5						
JULY 22...	0935	27100	26	7.5	28.5	3.5						
SEP. 23...	0915	28548	22	7.8	27.9	4.3						
DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 12...	3.8	190	68	270	630	7500	290	122	0	100	1800	13000
JAN. 14...	3.4	110	75	290	920	7900	370	140	0	115	1500	14000
MAR. 11...	3.3	110	60	230	720	6400	240	106	0	87	1400	10000
MAY 27...	5.2	270	210	120	360	3100	130	76	0	62	690	5600
JULY 22...	7.2	100	20	200	610	5200	220	104	0	85	1300	9400
SEP. 23...	6.0	100	30	240	740	5700	240	111	0	91	1400	10000
DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO ₂) (MG/L)	DIS- SOLVED NITRATE PLUS NITRITE (N) (MG/L)	DIS- SOLVED SOLIOS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)
NOV. 12...	1.7	.00	.00	.01	.03	.01	24700	3300	3200	40	3.1	--
JAN. 14...	1.1	.02	.09	.00	.00	.02	25700	4500	4400	40	--	--
MAR. 11...	.9	.01	.04	.00	.00	.01	19800	3500	3500	40	.8	10
MAY 27...	.7	.02	.09	.01	.03	.03	10900	1800	1700	110	--	--
JULY 22...	.8	.06	.27	.10	.33	.16	18300	3000	2900	60	2.5	0
SEP. 23...	.9	.03	.13	.02	.07	.05	20500	3600	3600	60	--	--

NORTH NEWPORT RIVER BASIN

75

02203578 North Newport River at Halfmoon Landing, Ga.

LOCATION.--Lat 31°40'39", long 81°18'05", Liberty County, at gaging station on dock of Halfmoon Landing, and at mile 9.9 (15.9 km).

DRAINAGE AREA.--157 mi² (407 km²).

PERIOD OF RECORD.--Chemical analyses: September 1966 to current year.

Water temperature: July 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	TRANSPARANCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (Ca, Mg) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	1130	33800	36	7.4	23.1	5.5												
NOV. 12...	0900	36000	25	7.9	17.8	6.3												
DEC. 03...	1050	28800	36	7.8	10.7	8.7												
JAN. 14...	0950	31000	36	7.7	11.0	7.7												
FEB. 25...	1130	23700	36	7.6	16.0	7.3												
MAR. 11...	0845	32000	48	7.5	13.8	8.0												
APR. 29...	1120	25000	36	7.5	24.7	5.5												
MAY 27...	0915	25500	36	7.3	28.2	3.7												
JUNE 17...	1400	26600	36	7.2	29.4	4.6												
JULY 22...	0915	35000	32	7.4	28.0	4.1												
AUG. 12...	1100	25000	24	7.1	28.7	3.4												
SEP. 23...	0845	31500	--	7.6	27.5	5.0												
OCT. 15...							95	12690	<.02	<.02	.12	29	--	40	14	--	--	9.0
NOV. 12...							108	15800	.02	.03	.08	61	5200	<5	12	.9	<30	7.0
DEC. 03...							111	15600	<.02	<.02	.18	85	4650	20	33	1.2	36	10
JAN. 14...							114	15400	<.02	<.02	.08	39	5000	15	8	--	--	6.0
FEB. 25...							72	11000	<.02	<.02	.11	62	3800	15	27	1.0	<30	11
MAR. 11...							69	12000	<.02	<.02	.07	8	--	25	4	1.0	<30	6.0
APR. 29...							55	8150	<.02	<.02	.08	41	--	55	20	--	--	11
MAY 27...							75	9100	<.02	.12	.07	27	2900	40	10	1.0	<30	10
JUNE 17...							--	--	--	--	--	--	--	--	--	1.0	--	--
JULY 22...							94	12500	.03	<.02	.09	14	4160	30	8	.6	36	9.0
AUG. 12...							80	8950	.04	.08	.19	102	--	60	37	1.4	<30	13
SEP. 23...							101	12800	<.02	.11	.11	48	4120	30	20	1.2	<30	17

NORTH NEWPORT RIVER BASIN

02203578 North Newport River at Halfmoon Landing, Ga.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	32800	19700	40500	31000	---	---	41100	36900	35900	33200	34100	28300
2	31300	20400	39400	30300	---	---	41400	36800	35300	32700	33500	27500
3	33000	21100	39400	30500	40200	36200	41300	37500	34800	32200	31100	27400
4	34000	21600	39100	30700	40800	36200	40900	36900	34200	30400	31800	27200
5	35100	22700	38400	30900	40100	35800	40400	37600	35700	30200	32400	29200
6	36500	25000	39300	32000	39600	34300	41600	36100	35400	31000	32500	28000
7	35900	25600	40900	32800	---	---	41000	36000	35200	30300	32000	27400
8	35500	25700	40900	33300	---	---	---	---	35100	31300	31300	27900
9	36600	24300	41800	33400	---	---	---	---	35600	31000	31600	27200
10	37000	24200	43000	35100	38500	35400	---	---	37800	31300	31100	27400
11	37500	24600	43300	34800	39200	34700	---	---	38900	31700	30500	26400
12	37600	25100	42500	34500	---	---	---	---	---	---	30700	26200
13	37800	25400	42000	34500	---	---	---	---	---	---	29500	24100
14	38300	25900	42000	34800	---	---	---	---	---	---	30200	23700
15	39600	26400	41400	34700	---	---	---	---	---	---	30400	25700
16	39400	27600	42200	35500	---	---	---	---	---	---	33900	26100
17	38500	27000	41600	34500	39400	35100	---	---	---	---	32600	25900
18	38600	27300	40600	35000	39100	36000	---	---	32800	27700	32400	26700
19	38200	27600	41300	34100	39000	36300	---	---	31300	28800	34300	27100
20	38900	29200	40400	35600	39100	36000	---	---	31400	29000	32900	27200
21	38900	29000	38800	35000	39100	36200	37000	35700	31600	29100	33900	27200
22	38000	29400	40200	36100	39100	36000	37700	34700	32900	27900	33600	25900
23	37200	29500	40700	34100	39500	36400	37500	34700	34900	29900	34300	25800
24	37100	29900	42100	36600	38900	35000	37300	35000	34600	29200	34700	26400
25	37700	29900	42700	35500	38900	35100	35900	34500	33700	27700	37000	26400
26	37600	29800	43700	36100	39100	35200	35800	34000	32400	28200	36400	25500
27	37900	29800	41400	35200	40200	34600	35900	34500	32000	27600	36300	25100
28	38500	29800	42400	36700	39300	34300	37800	35600	31700	27700	35800	25200
29	38800	29900	42700	36500	40700	35400	38200	35900	---	---	33500	23600
30	39400	30400	43400	35800	40700	35300	37000	35200	---	---	32400	23400
31	40200	30600	---	---	41200	35900	37000	34800	---	---	33100	23400
MONTH	40200	19700	43800	30300	---	---	---	---	38900	27600	37000	23400
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	33600	24300	30000	18000	26000	16900	35200	24400	31900	22200	38700	24400
2	32900	25200	29000	17200	26300	16700	35700	25400	32100	21500	41900	25600
3	31800	24100	28200	17500	25400	16900	35200	26400	32800	21300	43200	29100
4	29900	24400	27500	16800	33200	17000	34400	25400	33200	20900	43200	29600
5	30300	24500	28700	17200	32600	15900	35500	24600	37600	21500	42600	30100
6	31200	24800	31100	16700	32900	14600	34700	25200	36700	21000	42500	30900
7	31500	24800	30700	15800	33600	14200	33000	23900	37500	20600	42300	31400
8	32300	25400	36100	15500	37500	14400	34400	24700	37500	20600	42900	31700
9	33500	25500	35900	16500	35300	14500	34900	25200	36900	20900	41700	32000
10	33700	25900	37500	16600	38400	14400	34500	25600	35200	20400	41300	30300
11	34000	25500	35500	17400	38200	20800	34200	24800	33600	19200	40300	30200
12	34300	25600	37700	17600	36800	20700	33400	24200	32300	17900	38700	29600
13	34100	25000	31100	14300	36600	21100	33600	24500	32000	19200	38200	29100
14	33600	25000	29500	15200	37500	22400	33400	24600	29700	18400	43600	30200
15	34400	21700	---	---	37800	22800	35300	24000	29500	17900	43900	28600
16	31300	21800	---	---	36000	23000	35800	26500	28800	17000	43100	27900
17	31400	19500	---	---	37200	23500	35900	25100	29000	16700	---	---
18	30500	18200	---	---	37800	23000	35700	25800	29000	16500	---	---
19	30400	15900	---	---	39300	22900	36100	24700	32000	16800	---	---
20	30500	15700	35600	16400	38700	22700	35400	24500	32000	21200	---	---
21	30700	16400	35600	16000	41500	23700	35100	24500	33500	21700	---	---
22	35900	16300	46200	15200	41200	25200	35400	24700	33500	22000	---	---
23	35200	16000	35000	15000	40800	25400	35100	24400	33200	22700	36000	29100
24	35500	15800	35700	15000	39700	24900	34800	24700	33500	23300	34900	27800
25	35200	16300	35300	15500	38400	24500	33200	24000	33800	24400	---	---
26	34000	16300	36300	16600	37800	24800	32700	23100	34400	24800	---	---
27	32500	16500	30700	15400	37500	25000	32500	21900	35700	23000	---	---
28	31800	17100	29700	16200	36200	24200	32500	22300	37700	23200	---	---
29	29300	16500	29000	17000	35500	24200	32900	21300	42200	24700	---	---
30	29400	16600	29400	17400	35200	24300	31900	22400	38200	24800	37700	25300
31	---	---	28000	17100	---	---	32100	22500	38400	24300	---	---
MONTH	35200	15700	36500	14300	41500	14200	35100	21300	39200	16500	---	---

NORTH NEWPORT RIVER BASIN

77

02203578 North Newport River at Halfmoon Landing, Ga.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.4	7.0	7.5	7.3	7.8	7.5	7.7	7.5	7.7	7.5	7.8	7.5
2	7.4	7.0	7.5	7.2	7.8	7.6	7.8	7.5	7.7	7.4	7.8	7.5
3	7.5	7.1	7.4	7.3	7.8	7.6	7.7	7.6	7.7	7.5	7.8	7.6
4	7.6	7.2	7.5	7.3	7.8	7.7	7.8	7.6	7.7	7.5	7.8	7.6
5	7.6	7.2	7.5	7.3	7.8	7.7	7.8	7.6	7.7	7.5	7.8	7.6
6	7.7	7.3	7.4	7.3	7.8	7.7	7.8	7.6	7.7	7.5	7.8	7.6
7	7.7	7.4	7.5	7.4	7.8	7.6	7.7	7.5	7.7	7.5	7.8	7.6
8	7.8	7.3	7.5	7.4	7.8	7.6	7.8	7.6	7.7	7.5	7.8	7.6
9	7.8	7.2	7.6	7.3	7.7	7.5	7.7	7.5	7.7	7.5	7.9	7.7
10	7.6	7.2	7.6	7.4	7.8	7.6	7.7	7.5	7.7	7.5	7.9	7.7
11	7.6	7.2	7.6	7.3	7.8	7.6	7.7	7.5	7.7	7.5	7.8	7.6
12	7.6	7.2	7.6	7.4	7.7	7.6	7.7	7.5	7.7	7.5	7.8	7.6
13	7.5	7.2	7.6	7.4	7.7	7.5	7.7	7.5	7.7	7.5	7.8	7.6
14	7.5	7.2	7.6	7.4	7.7	7.5	7.7	7.5	7.7	7.5	7.8	7.6
15	7.5	7.2	7.6	7.5	7.8	7.6	7.7	7.6	7.7	7.5	7.8	7.6
16	7.5	7.2	7.6	7.5	7.8	7.6	7.8	7.6	7.8	7.6	7.8	7.6
17	7.5	7.2	7.7	7.5	7.7	7.6	7.8	7.6	7.8	7.6	7.8	7.6
18	7.5	7.2	7.7	7.5	7.8	7.6	7.8	7.6	7.8	7.6	7.8	7.6
19	7.5	7.2	7.6	7.5	7.7	7.6	7.7	7.6	7.7	7.5	7.8	7.6
20	7.5	7.3	7.6	7.4	7.7	7.6	7.7	7.6	7.5	7.3	8.0	7.8
21	7.5	7.3	7.6	7.5	7.7	7.6	7.8	7.6	7.5	7.2	8.0	7.8
22	7.6	7.3	7.7	7.5	7.8	7.6	7.8	7.6	7.5	7.2	8.0	7.7
23	7.6	7.4	7.7	7.5	7.8	7.6	7.8	7.6	7.5	7.1	8.0	7.7
24	7.6	7.4	7.7	7.5	7.8	7.6	7.8	7.6	7.5	7.1	8.0	7.7
25	7.6	7.4	7.7	7.5	7.8	7.6	7.8	7.5	7.8	7.1	8.0	7.6
26	7.5	7.3	7.7	7.5	7.8	7.6	7.7	7.5	7.8	7.2	7.7	7.4
27	7.5	7.3	7.7	7.5	7.8	7.6	7.7	7.5	7.8	7.2	7.7	7.4
28	7.5	7.3	7.7	7.5	7.8	7.6	7.7	7.5	7.7	7.2	7.7	7.3
29	7.5	7.2	7.7	7.5	7.8	7.5	7.7	7.5	7.7	7.2	7.7	7.3
30	7.5	7.3	7.7	7.5	7.7	7.4	7.7	7.5	7.7	7.2	7.6	7.4
31	7.5	7.2	7.7	7.5	7.7	7.5	7.7	7.5	7.7	7.2	7.6	7.4
MONTH	7.8	7.0	7.7	7.2	7.8	7.4	7.8	7.5	7.8	7.1	8.1	7.3
APRIL												
1	7.6	7.3	7.2	6.9	7.3	7.0	7.3	7.1	7.4	7.0	7.2	6.9
2	7.5	7.3	7.2	6.9	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
3	7.5	7.3	7.1	6.8	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
4	7.5	7.4	7.1	6.8	7.3	7.0	7.3	7.1	7.4	7.0	7.3	6.9
5	7.7	7.4	7.1	6.8	7.3	7.0	7.3	7.1	7.4	7.0	7.2	6.9
6	7.7	7.5	7.2	6.8	7.4	7.0	7.4	7.1	7.4	7.0	7.2	7.0
7	7.7	7.5	7.2	6.8	7.4	7.0	7.4	7.1	7.4	7.0	7.2	7.0
8	7.7	7.5	7.3	6.8	7.5	7.0	7.4	7.1	7.4	7.0	7.3	7.0
9	7.7	7.4	7.3	6.9	7.4	7.0	7.4	7.1	7.4	7.0	7.2	6.9
10	7.5	7.3	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	7.0
11	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	7.0
12	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
13	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
14	7.4	7.2	7.2	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
15	7.4	7.1	7.2	6.9	7.4	7.0	7.4	7.0	7.2	6.9	7.2	6.9
16	7.4	7.1	7.3	6.9	7.3	7.0	7.4	7.1	7.2	6.9	7.1	6.9
17	7.4	7.0	7.3	6.9	7.3	7.0	7.4	7.1	7.2	6.9	7.1	6.9
18	7.4	7.0	7.3	6.9	7.3	7.0	7.4	7.1	7.3	6.9	7.3	6.9
19	7.3	7.0	7.3	6.9	7.4	7.0	7.4	7.1	7.3	6.9	7.3	6.9
20	7.3	7.0	7.4	6.9	7.4	7.0	7.4	7.0	7.3	6.9	7.3	6.9
21	7.4	6.9	7.5	6.9	7.4	7.0	7.3	7.0	7.3	6.9	7.3	6.9
22	7.4	6.9	7.4	6.9	7.5	7.1	7.4	7.0	7.3	7.0	7.4	6.9
23	7.4	6.9	7.4	6.9	7.4	7.0	7.4	7.0	7.3	7.0	7.4	6.9
24	7.4	6.9	7.3	6.9	7.4	7.0	7.4	7.0	7.2	7.0	7.4	6.9
25	7.4	6.9	7.2	6.9	7.3	7.0	7.4	7.0	7.2	7.0	7.3	6.9
26	7.3	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.3	7.0	7.3	6.9
27	7.3	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.2	6.9	7.3	6.9
28	7.2	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.2	6.9	7.2	6.9
29	7.2	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.1	6.9	7.2	6.9
30	7.3	7.0	7.3	6.9	7.3	7.0	7.3	7.0	7.1	6.9	7.5	7.2
31	7.3	6.9	7.3	7.0	7.3	7.0	7.3	7.0	7.1	6.9	7.5	7.2
MONTH	7.7	6.9	7.5	6.8	7.5	7.0	7.5	7.0	7.5	6.7	7.5	6.9
MAY												
1	7.6	7.3	7.2	6.9	7.3	7.0	7.3	7.1	7.4	7.0	7.2	6.9
2	7.5	7.3	7.2	6.8	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
3	7.5	7.3	7.1	6.8	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
4	7.5	7.4	7.1	6.8	7.3	7.0	7.3	7.1	7.4	7.0	7.3	6.9
5	7.7	7.4	7.1	6.8	7.3	7.0	7.3	7.1	7.4	7.0	7.2	6.9
6	7.7	7.5	7.2	6.8	7.4	7.0	7.4	7.1	7.4	7.0	7.2	7.0
7	7.7	7.5	7.2	6.8	7.4	7.0	7.4	7.1	7.4	7.0	7.2	7.0
8	7.7	7.5	7.3	6.8	7.5	7.0	7.4	7.1	7.4	7.0	7.3	7.0
9	7.7	7.4	7.3	6.9	7.4	7.0	7.4	7.1	7.4	7.0	7.2	6.9
10	7.5	7.3	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	7.0
11	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	7.0
12	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
13	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
14	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
15	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
16	7.5	7.2	7.3	6.9	7.4	7.0	7.4	7.1	7.3	7.0	7.2	6.9
17	7.4	7.0	7.3	6.9	7.3	7.0	7.4	7.1	7.2	6.9	7.1	6.9
18	7.4	7.0	7.3	6.9	7.3	7.0	7.4	7.1	7.3	6.9	7.3	6.9
19	7.4	7.0	7.3	6.9	7.3	7.0	7.4	7.1	7.3	6.9	7.3	6.9
20	7.3	7.0	7.4	6.9	7.4	7.0	7.4	7.0	7.3	6.9	7.3	6.9
21	7.4	6.9	7.5	6.9	7.4	7.0	7.3	7.0	7.3	6.9	7.3	6.9
22	7.4	6.9	7.4	6.9	7.5	7.1	7.4	7.0	7.3	7.0	7.4	6.9
23	7.4	6.9	7.4	6.9	7.4	7.0	7.4	7.0	7.3	7.0	7.4	6.9
24	7.4	6.9	7.3	6.9	7.4	7.0	7.4	7.0	7.2	7.0	7.4	6.9
25	7.4	6.9	7.2	6.9	7.3	7.0	7.4	7.0	7.2	7.0	7.3	6.9
26	7.3	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.3	7.0	7.3	6.9
27	7.3	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.2	6.9	7.3	6.9
28	7.2	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.2	6.9	7.2	6.9
29	7.2	6.9	7.3	6.9	7.3	7.0	7.3	7.0	7.1	6.9	7.2	6.9
30	7.3	7.0	7.3	6.9	7.3	7.0	7.3	7.0	7.1	6.9	7.5	7.2
31	7.3	6.9	7.3	7.0	7.3	7.0	7.3	7.0	7.1	6.9	7.5	7.2
MONTH	7.7	6.9	7.5	6.8	7.5	7.0	7.5	7.0	7.5	6.7	7.5	6.9
JUNE												
1	7.6	7.3	7.2	6.9	7.3	7.0	7.3	7.1	7.4	7.0	7.2	6.9
2	7.5	7.3	7.2	6.8	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
3	7.5	7.3	7.1	6.8	7.2	7.0	7.3	7.1	7.4	7.0	7.4	6.9
4	7.5	7.4	7.1	6.8	7.3	7.0	7.3	7.1	7.4	7.0	7.3	6.9
5	7.7	7.4	7.1	6.8	7.3	7						

02203578 North Newport River at Halfmoon Landing, Ga.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITRE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.1	4.0	6.0	5.4	8.1	7.2	7.6	7.0	7.4	6.6	7.7	7.1
2	5.3	4.1	5.9	5.1	8.4	7.8	7.9	7.2	7.3	6.3	8.2	7.4
3	6.1	4.5	5.6	5.0	8.7	8.3	8.0	7.4	7.0	6.4	8.5	7.9
4	6.9	5.1	5.6	5.2	8.6	8.3	8.0	7.3	7.6	6.7	8.6	8.1
5	7.0	5.6	5.8	5.2	8.7	8.4	7.9	7.4	7.7	6.8	8.8	8.1
6	6.8	5.7	6.9	5.8	8.8	8.5	8.1	7.3	7.5	6.7	9.0	8.3
7	6.1	5.2	7.4	6.1	9.0	8.4	8.1	7.1	7.8	6.8	9.0	8.3
8	6.5	4.9	7.5	6.4	8.8	8.4	7.6	6.9	7.9	7.2	9.0	8.4
9	6.9	5.7	7.5	7.1	8.9	8.6	7.5	6.9	7.9	7.3	9.1	8.6
10	7.3	5.5	7.5	7.0	9.1	8.6	7.5	6.8	7.9	7.3	9.0	8.5
11	7.1	5.4	7.4	6.7	8.9	8.4	7.3	6.5	7.7	7.2	8.6	8.0
12	6.6	5.3	8.0	6.5	8.7	8.3	7.2	6.6	---	---	8.2	7.6
13	6.2	5.3	8.1	7.5	8.5	8.2	7.3	6.6	---	---	8.0	7.4
14	6.1	5.2	8.1	7.8	8.7	8.2	8.1	6.7	---	---	7.7	7.1
15	5.7	5.0	8.2	7.8	8.6	8.3	8.4	7.7	---	---	7.8	7.2
16	5.6	5.1	8.3	8.0	8.5	8.1	8.5	8.0	---	---	7.8	7.0
17	6.0	5.3	8.3	6.9	8.7	8.2	8.8	8.2	---	---	8.0	7.1
18	6.2	5.7	7.3	6.7	8.9	8.7	8.9	8.4	8.1	7.8	8.2	7.2
19	6.4	5.7	8.7	7.2	9.1	8.8	8.8	8.3	8.2	7.2	7.9	7.1
20	6.1	5.6	9.1	8.2	9.1	8.6	8.9	8.2	7.9	7.2	8.1	7.4
21	6.1	5.6	9.3	8.6	9.0	8.5	8.8	7.8	7.9	6.9	8.3	7.5
22	6.5	5.7	9.5	8.8	9.0	8.6	8.5	7.9	8.1	6.8	8.3	7.3
23	6.7	6.1	9.3	8.7	9.1	8.5	8.7	7.9	7.6	6.6	8.2	7.2
24	7.0	6.5	9.2	8.2	9.0	8.2	8.5	7.6	7.7	6.3	8.1	6.8
25	7.3	6.5	8.8	8.0	8.8	7.9	8.3	7.4	7.7	6.5	7.6	6.6
26	7.2	6.3	8.6	7.5	8.7	7.9	8.0	7.3	7.7	7.0	7.6	6.6
27	7.0	6.0	7.8	7.2	8.7	7.9	7.9	7.2	7.7	7.0	8.1	6.8
28	6.6	5.7	7.8	7.3	8.4	7.7	7.8	7.2	7.6	7.1	8.1	7.1
29	6.4	5.5	7.8	7.4	8.2	7.2	7.7	7.1	---	---	7.9	7.0
30	5.9	5.4	7.8	7.3	8.0	7.3	7.5	6.9	---	---	8.0	6.6
31	6.6	5.4	---	---	7.7	7.1	7.6	6.8	---	---	7.5	6.6
MONTH	7.3	4.0	9.5	5.0	9.1	7.1	8.9	6.5	8.2	6.3	9.1	6.6
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.4	6.2	5.6	4.6	5.1	4.1	5.0	3.9	4.4	3.1	5.7	2.4
2	7.0	6.1	5.5	4.5	5.0	4.0	5.3	3.7	4.6	3.2	6.0	3.8
3	7.4	6.5	5.5	4.5	5.2	4.1	5.3	4.1	4.7	3.0	5.6	4.1
4	8.0	7.3	5.6	4.6	5.5	4.2	5.3	4.3	5.0	3.2	5.1	3.9
5	8.3	7.6	5.3	4.6	5.5	4.3	4.9	3.9	5.3	3.2	4.7	3.6
6	8.3	7.6	5.4	4.5	5.5	4.2	4.6	3.7	4.9	3.1	4.6	3.4
7	8.3	7.7	5.4	4.5	5.3	4.1	4.8	3.7	4.5	3.1	4.5	3.4
8	8.3	7.5	5.5	4.4	5.4	3.4	5.6	3.9	3.9	2.8	4.2	3.4
9	7.4	7.2	5.4	4.5	4.9	3.7	5.7	4.3	3.8	2.7	4.1	3.1
10	7.6	5.7	5.7	4.5	5.2	3.8	5.7	4.4	3.7	2.7	3.9	3.0
11	7.4	5.5	5.0	4.5	5.5	4.1	5.4	4.1	3.5	2.7	3.8	2.7
12	7.3	6.4	5.5	4.0	5.5	4.2	5.3	3.8	3.9	3.0	4.1	2.3
13	7.3	5.5	5.4	4.2	5.7	4.1	5.7	3.7	3.8	2.9	4.0	2.6
14	7.3	5.4	5.1	4.2	5.5	4.2	4.6	3.4	3.8	2.7	3.2	3.6
15	7.3	5.5	---	---	5.5	4.4	4.3	3.2	3.6	2.5	3.3	4.3
16	7.3	5.4	---	---	5.7	4.1	4.1	3.1	3.3	2.2	5.0	3.6
17	7.3	6.3	---	---	5.4	3.9	4.2	3.9	3.9	2.1	---	---
18	7.2	6.2	---	---	5.2	3.8	4.3	3.0	4.0	2.4	---	---
19	7.1	6.2	---	---	5.5	3.8	4.2	3.0	4.5	2.3	---	---
20	6.4	5.1	5.5	3.8	5.1	3.3	4.4	2.4	4.5	2.8	---	---
21	7.1	5.0	5.6	3.8	5.1	3.3	4.0	2.4	4.5	3.3	---	---
22	7.1	5.0	5.6	3.8	5.6	3.4	4.6	2.4	4.2	3.2	---	---
23	6.4	5.3	5.3	3.4	5.4	4.3	4.5	2.9	4.4	3.2	5.3	5.4
24	6.5	5.4	4.9	3.6	5.4	4.2	4.4	2.9	4.0	3.3	5.3	4.7
25	6.7	5.4	4.2	3.3	4.2	3.9	5.1	2.1	3.2	3.1	---	---
26	6.3	5.5	5.4	3.1	4.7	3.7	4.4	2.7	3.6	4.2	---	---
27	6.0	5.4	5.4	3.4	4.9	3.4	4.5	2.5	3.5	4.2	---	---
28	5.9	5.1	5.4	3.5	4.9	3.7	4.5	2.4	3.2	3.3	---	---
29	5.5	4.9	5.1	3.2	5.1	4.0	3.9	2.5	3.5	3.0	---	---
30	5.7	4.8	5.7	4.1	5.1	4.0	3.8	2.7	4.2	1.6	5.3	4.1
31	---	---	5.4	4.3	---	---	4.2	2.4	4.0	1.7	---	---
MONTH	8.3	4.5	5.0	3.1	5.9	3.3	5.7	2.1	3.7	1.5	---	---

02203578 North Newport River at Halfmoon Landing, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	25.5	24.0	22.5	21.0	14.5	12.5	17.5	15.5	19.0	17.0	17.5	16.5
2	25.5	24.0	22.5	21.0	12.0	10.5	16.0	14.5	19.0	17.5	16.5	15.0
3	24.0	22.0	22.5	20.5	11.0	10.0	15.5	14.5	18.0	16.0	14.5	13.5
4	22.0	20.5	23.0	21.5	11.0	10.0	15.5	14.5	16.0	15.0	13.5	13.0
5	21.0	20.0	23.5	22.0	11.0	10.0	14.5	14.0	15.0	14.5	13.5	12.5
6	21.0	20.0	23.5	22.5	11.0	10.0	14.5	13.5	15.5	14.5	14.0	12.0
7	21.5	20.0	22.0	20.5	11.5	10.5	13.5	13.0	14.5	13.0	15.0	13.0
8	22.5	20.5	21.0	19.0	12.5	11.5	13.5	13.0	13.5	12.5	15.0	14.0
9	22.0	21.0	19.5	18.0	12.0	11.0	15.0	13.5	14.0	12.5	14.0	13.0
10	22.0	21.0	18.5	17.5	11.5	10.5	16.5	14.5	14.0	12.5	14.5	12.5
11	22.0	21.0	18.5	17.5	11.0	10.5	17.0	16.0	14.0	13.0	16.0	14.0
12	22.0	21.0	18.0	17.0	12.0	11.0	18.0	16.5	---	---	17.5	15.5
13	22.5	21.5	17.0	16.0	12.5	11.5	18.0	15.0	---	---	19.5	17.0
14	23.0	22.0	16.5	15.5	13.0	11.5	14.5	13.0	---	---	20.0	18.0
15	24.0	22.5	16.0	15.0	13.0	11.5	13.5	12.5	---	---	19.0	17.5
16	24.0	23.5	16.0	14.5	13.0	12.0	14.0	12.0	---	---	17.5	17.0
17	23.5	22.5	16.0	15.0	12.5	11.5	13.0	12.0	---	---	18.5	16.5
18	24.0	22.5	17.5	16.0	12.0	11.0	13.5	12.5	17.5	17.0	17.0	16.5
19	23.5	22.0	17.5	16.5	12.0	10.5	14.0	13.0	18.5	17.0	16.5	16.0
20	22.5	21.5	18.0	17.0	12.5	11.5	14.5	13.5	17.5	17.5	17.0	15.5
21	21.5	20.0	17.0	16.0	12.5	12.0	13.5	13.0	17.5	16.5	17.5	16.0
22	20.0	19.5	16.5	15.0	12.5	11.0	13.0	12.5	17.0	16.0	18.0	16.5
23	20.0	19.0	16.0	15.0	13.0	11.0	13.0	12.5	18.5	16.5	19.0	17.0
24	20.0	18.5	16.5	15.5	13.0	12.0	13.5	12.0	18.5	17.0	20.0	18.0
25	20.0	18.5	17.0	15.5	14.5	13.0	14.5	13.0	16.5	15.5	20.0	18.5
26	20.5	19.0	15.0	14.5	14.5	13.0	15.0	13.0	17.0	15.0	19.5	18.0
27	20.5	19.0	15.0	14.0	14.0	12.5	15.5	13.0	17.5	15.0	19.0	17.0
28	20.5	19.5	14.5	13.5	15.0	13.0	15.5	13.5	17.5	15.5	19.0	17.5
29	20.5	19.5	14.0	13.0	15.0	14.0	17.0	14.0	---	---	20.5	18.0
30	21.5	20.0	14.5	13.5	16.5	14.0	17.5	15.5	---	---	21.0	19.0
31	22.0	20.5	---	---	16.5	15.0	18.5	16.0	---	---	20.0	19.0
MONTH	25.5	18.5	23.5	13.0	16.5	10.0	18.5	12.0	19.0	12.5	21.0	12.0
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	14.5	26.5	25.0	30.0	29.0	29.5	29.5	29.5	28.5	31.0	29.0
2	19.0	14.5	26.5	25.5	29.5	28.5	29.0	29.5	30.5	29.0	30.0	29.0
3	19.0	14.0	26.0	25.5	29.5	28.5	29.5	29.5	30.5	29.0	30.5	29.0
4	18.0	17.0	26.0	26.0	30.0	29.5	29.5	29.5	31.0	29.5	30.5	29.0
5	18.0	16.5	26.5	26.5	30.0	29.5	29.5	29.5	30.0	29.0	30.5	29.5
6	18.0	16.5	26.0	26.5	30.5	29.0	29.0	29.0	30.0	29.0	31.0	29.5
7	18.0	17.0	26.0	25.0	30.0	29.0	29.0	29.5	29.5	29.0	30.5	29.0
8	18.0	17.0	26.5	25.0	30.0	29.5	29.0	29.0	30.0	28.5	30.0	29.0
9	18.0	17.5	26.5	26.5	29.0	29.0	29.0	27.5	30.0	28.5	30.0	28.5
10	18.0	17.0	26.5	26.5	29.0	29.0	29.0	27.5	30.0	29.0	30.0	28.5
11	19.5	14.0	26.0	26.5	29.5	28.0	28.5	27.5	30.0	29.0	29.5	29.0
12	20.0	14.0	26.5	26.5	30.5	28.5	28.0	27.0	30.0	28.5	30.0	29.0
13	20.0	14.0	26.0	26.0	30.5	28.5	27.5	27.0	30.0	29.0	30.0	28.5
14	19.0	16.0	26.0	26.0	30.5	28.5	28.0	27.0	31.0	29.5	28.5	26.5
15	19.5	16.0	---	---	30.0	29.0	28.5	27.5	31.0	30.0	27.0	25.5
16	19.5	17.5	---	---	30.0	29.0	28.5	27.5	31.5	30.0	26.0	24.5
17	20.0	17.0	---	---	30.0	29.0	28.0	27.0	31.5	30.0	---	---
18	21.0	17.0	---	---	30.5	29.5	28.5	27.0	31.5	30.5	---	---
19	20.0	18.0	---	---	30.5	29.5	28.5	27.5	31.5	30.5	---	---
20	21.5	21.0	26.0	27.0	31.0	29.5	29.0	27.5	31.5	30.0	---	---
21	21.0	20.5	26.5	27.0	30.5	29.5	29.0	29.0	31.5	30.0	---	---
22	21.0	20.0	26.5	27.5	29.5	29.0	29.5	29.0	32.0	30.0	---	---
23	21.0	20.0	26.0	27.5	29.5	27.5	31.0	29.0	32.0	30.5	28.5	26.0
24	22.0	20.0	26.5	28.0	28.0	27.5	31.0	29.0	32.0	30.5	---	---
25	23.0	21.0	30.0	28.5	27.5	27.0	30.5	29.5	32.5	30.5	---	---
26	24.0	22.0	30.5	29.5	28.0	27.0	30.5	29.0	32.5	31.0	---	---
27	24.0	23.0	30.0	29.5	28.0	27.0	30.0	29.0	32.5	31.0	---	---
28	24.0	24.0	30.5	29.5	29.0	27.0	30.0	29.0	32.0	30.5	---	---
29	24.0	24.0	30.5	29.5	29.0	27.0	30.0	29.0	31.5	30.0	---	---
30	24.0	24.0	30.0	29.5	29.5	28.5	29.0	28.5	31.0	29.5	---	---
31	---	---	30.0	29.0	---	---	29.0	28.0	32.0	29.0	---	---
MONTH	26.5	16.5	26.5	26.5	31.0	27.0	31.5	27.0	32.5	29.5	---	---

ALTAMAHA RIVER BASIN

02205000 Wildcat Creek near Lawrenceville, Ga.

LOCATION.--Lat 34°00'08", long 84°00'18", Gwinnett County, on left bank 75 ft (23 m) upstream from highway bridge, 0.7 mi (1.1 km) upstream from mouth, 1.1 mi (1.8 km) east of State Highway 20, and 3.2 mi (5.1 km) north of Lawrenceville.

DRAINAGE AREA.--1.59 mi² (4.12 km²).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 970 ft (296 m), by barometer.

AVERAGE DISCHARGE.--22 years, 1.66 ft³/s (47.0 l/s), 14.18 in/yr (360.2 mm/yr).

EXTREMES.--Current year: Maximum gage height, 7.09 ft (2.161 m) Mar. 13, discharge not determined; minimum daily discharge, 0.28 ft³/s (7.93 l/s) Oct. 19, Nov. 2.

Period of record: Maximum discharge, 806 ft³/s (22.8 m³/s) May 6, 1956, gage height, 8.20 ft (2.499 m), from rating curve extended above 45 ft³/s (1.27 m³/s), on basis of slope-area measurement at gage height, 4.95 ft (1.509 m) and slope-area estimate at gage height, 8.20 ft (2.499 m); no flow for part of each day Sept. 1-6, Oct. 7, 1954.

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.48	.29	3.4	1.8	1.3	3.0	2.3	2.0	11	.92	1.2	1.0
2	.43	.28	1.6	1.4	1.3	2.7	3.1	1.5	3.6	1.1	1.0	.90
3	.41	.31	1.0	1.2	4.7	2.5	3.0	2.2	2.8	1.0	.90	.80
4	.46	.30	.74	3.0	22	2.4	2.4	1.6	2.7	1.1	.80	.72
5	.48	.57	.58	1.8	20	2.3	2.2	1.4	2.2	1.2	.70	.70
6	.38	.30	.48	1.4	8.0	2.2	2.1	1.5	2.4	.91	1.1	.70
7	.36	.30	.60	1.2	4.0	2.1	2.1	18	2.2	.91	1.1	1.1
8	.35	.30	.78	1.6	2.5	2.1	2.1	2.8	1.9	.87	.91	1.5
9	.41	.30	.62	2.5	1.7	2.0	2.3	2.1	1.7	.82	.87	1.0
10	.34	.30	.50	4.1	1.4	2.0	2.3	1.8	1.9	.81	1.1	.80
11	.31	.40	.46	11	1.3	2.0	2.1	1.7	6.6	.83	1.5	.70
12	.32	.60	.43	8.5	3.0	4.0	1.9	1.6	5.5	.78	1.2	1.0
13	.31	.35	.40	6.0	2.0	67	1.8	1.6	3.4	.70	1.1	1.5
14	.31	.30	.41	2.5	1.5	22	3.5	1.9	2.0	.80	1.0	1.0
15	.30	.45	2.3	1.5	1.4	8.4	2.6	10	1.8	.84	.90	.80
16	1.1	.35	3.1	1.2	2.0	6.5	2.1	3.2	1.6	.73	.80	.70
17	.37	.30	1.1	1.1	3.0	6.0	2.0	2.9	1.5	.74	.70	1.5
18	.30	1.9	.90	1.0	5.0	4.5	1.8	2.2	1.4	.72	.66	6.0
19	.28	.56	1.6	1.3	10	9.0	1.7	1.8	1.8	.65	.64	2.0
20	.35	4.1	2.4	2.0	2.2	6.0	1.6	1.6	1.9	.66	.60	1.0
21	.37	1.3	1.1	1.5	1.8	4.5	1.6	1.5	2.0	.63	.57	.80
22	.35	.89	.90	1.2	1.6	3.3	1.5	1.4	1.4	.61	.55	2.0
23	.32	.69	.80	1.0	10	2.7	1.5	1.3	1.2	.72	.53	7.0
24	.33	.61	3.6	2.4	23	16	1.5	1.3	1.1	5.8	.52	3.5
25	.39	.58	4.2	15	9.8	9.8	1.4	1.2	1.1	2.5	.50	2.0
26	.33	.52	1.5	4.4	7.0	7.0	1.4	1.2	1.2	1.2	.90	1.6
27	.33	.46	1.0	3.0	5.0	4.5	1.4	1.2	1.1	1.0	2.0	1.5
28	.35	.46	1.5	2.2	3.5	3.2	1.4	2.7	1.0	.93	2.1	1.4
29	.32	.46	4.4	1.9	-----	2.8	1.3	2.0	.96	.91	1.4	1.3
30	.33	2.8	3.6	1.7	-----	2.6	1.3	1.6	.95	1.2	1.0	1.3
31	.32	-----	2.6	1.5	-----	2.4	-----	23	-----	1.3	1.4	-----
TOTAL	11.79	21.33	48.60	91.9	160.0	217.5	59.3	101.8	71.91	33.89	30.25	47.82
MEAN	.38	.71	1.57	2.96	5.71	7.02	1.98	3.28	2.40	1.09	.98	1.59
MAX	1.1	4.1	4.4	15	23	67	3.5	23	11	5.8	2.1	7.0
MIN	.28	.28	.40	1.0	1.3	2.0	1.3	1.2	.95	.61	.50	.70
CFSM	.24	.45	.99	1.86	3.59	4.42	1.25	2.06	1.51	.69	.62	1.00
IN.	.28	.50	1.14	2.15	3.74	5.09	1.39	2.38	1.68	.79	.71	1.12

CAL YR 1974 TOTAL 501.70 MEAN 1.37 MAX 56 MIN .15 CFSM .86 IN 11.74
WTR YR 1975 TOTAL 896.09 MEAN 2.46 MAX 67 MIN .28 CFSM 1.55 IN 20.97

02206500 Yellow River near Snellville, Ga.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, on left bank at downstream side of county highway bridge, 3.2 mi (5.1 km) west of Snellville, 4 mi (6.4 km) downstream from Sweetwater Creek, 6.5 mi (10.5 km) northeast of town of Stone Mountain, and 7.5 mi (12.1 km) upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi² (347 km²).

PERIOD OF RECORD.--Discharge: October 1942 to September 1971.

Chemical analyses: November 1969 to current year.

AVERAGE DISCHARGE.--29 years (1942-71), 169 ft³/s (4.79 m³/s), 17.13 in/yr (435.1 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 9,500 ft³/s (269 m³/s) Nov. 29, 1948, gage height, 19.4 ft (5.91 m), from flood-mark; minimum, 1.5 ft³/s (42 l/s) Oct. 9, 1954.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 21...	0845	48	6.8	8.5	9.8
JAN. 17...	1015	172	7.2	2.0	12.4
APR. 10...	0800	351	6.7	13.5	9.7
JULY 01...	0745	112	7.2	22.0	7.6
SEP. 22...	1530	120	7.3	20.0	6.3

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 21...	28	.15	<.02	--	.09	26
JAN. 17...	19	.31	.06	.08	.09	16
APR. 10...	10	.28	.04	.05	.11	15
JULY 01...	19	.35	<.02	--	.16	22
SEP. 22...	24	.26	.05	.06	.10	20

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 21...	78	25	13	1.8	430	3.0
JAN. 17...	54	100	54	1.1	2300	3.0
APR. 10...	50	60	70	1.4	930	6.0
JULY 01...	62	60	32	--	430	2.0
SEP. 22...	66	40	23	.5	930	10

ALTAMAHA RIVER BASIN

02207300 Yellow River at Milstead, Ga.

LOCATION.--Lat 33°41'23", long 83°58'43", Rockdale County, at bridge on State Highway 20 at Milstead, and 2.2 mi (3.5 km) northeast of Conyers.

DRAINAGE AREA.--210 mi² (540 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
JULY							
15...	0930	220	6.7	25.0	6.5		
AUG.							
01...	0800	222	6.7	24.0	6.2		
SEP.							
09...	0800	247	7.3	20.0	7.5		

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY							
15...	900	150	23	.21	.02	.03	.05
AUG.							
01...	1250	170	23	.26	<.02	--	.06
SEP.							
09...	1540	170	23	.24	.03	.04	.06

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY							
15...	19	66	50	30	.6	230	3.0
AUG.							
01...	20	67	40	37	.5	930	2.0
SEP.							
09...	21	66	50	28	1.0	930	3.0

02207300 Yellow River at Milstead, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
21...	1005	228	7.2	10.5	8.6
DEC.					
05...	0920	259	6.7	3.0	10.6
JAN.					
13...	0955	544	6.6	5.5	10.0
FEB.					
26...	1625	390	6.9	11.0	10.1
APR.					
07...	0840	322	6.4	11.0	8.6
MAY					
12...	0915	303	7.0	20.0	7.0
JULY					
07...	0815	256	7.2	23.0	6.9
AUG.					
21...	0845	256	6.8	18.0	7.4
SEP.					
15...	0930	259	7.2	18.0	7.7

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
21...	730	130	26	.05	<.02	--	.04
DEC.							
05...	1600	100	19	.26	.02	.03	.07
JAN.							
13...	4400	340	11	.18	.03	.04	.21
FEB.							
26...	2900	230	9	.23	<.02	--	.08
APR.							
07...	1550	90	5	.20	.06	.08	.03
MAY							
12...	1200	80	14	.27	.02	.03	.04
JULY							
07...	1200	110	19	.25	.04	.05	.03
AUG.							
21...	750	130	25	.26	<.02	--	.02
SEP.							
15...	--	--	22	.15	<.02	--	.07

DATE	HARD- NESS (CA, MG) (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
21...	22	73	25	13	1.8	91	3.0
DEC.							
05...	16	58	45	25	.7	930	3.0
JAN.							
13...	12	43	180	156	1.6	15000	10
FEB.							
26...	12	43	80	68	1.0	930	4.0
APR.							
07...	14	45	50	25	1.0	430	3.0
MAY							
12...	16	51	40	23	.6	750	2.0
JULY							
07...	16	55	25	16	--	--	3.0
AUG.							
21...	19	68	20	16	.8	430	5.0
SEP.							
15...	18	61	100	32	.6	430	3.0

ALTAMAHA RIVER BASIN

02207540 Yellow River at Porterdale, Ga.

LOCATION.--Lat 33°34'17", long 83°53'50", Newton County, at bridge on State Highway 81 at Porterdale, and 0.7 mi (1.1 km) downstream from Beaverdam Creek.

DRAINAGE AREA.--400 mi² (1,040 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 15...	1050	428	6.8	25.5	6.8
AUG. 01...	0905	248	6.7	25.0	6.8
SEP. 09...	0920	345	7.3	20.0	7.5

DATE	TOTAL IRON (FF) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY 15...	660	90	21	.29	<.02	--	.04
AUG. 01...	1300	150	19	.31	.11	.14	.06
SEP. 09...	1760	130	19	.29	.03	.04	.06

DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (MG/L)	COLOR (PLAT- NUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BR/100) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 15...	16	58	30	23	.6	430	3.0
AUG. 01...	16	59	50	40	.6	4300	3.0
SEP. 09...	16	57	50	35	1.0	2300	3.0

02207540 Yellow River at Porterdale, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
OCT. 21...	1125	270	7.2	11.5	8.6		
DEC. 05...	1040	339	6.8	5.0	10.8		
JAN. 13...	1130	2380	6.6	7.5	10.4		
FEB. 26...	1515	2280	6.7	10.5	10.3		
APR. 07...	0915	195	6.3	12.0	9.0		
MAY 12...	1045	570	6.8	20.0	7.0		
JULY 07...	0920	309	7.1	22.5	7.0		
AUG. 21...	1000	243	7.1	24.0	6.5		
SEP. 15...	1045	264	7.0	18.0	7.7		
DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT. 21...	840	110	25	.05	<.02	--	.05
DEC. 05...	1400	80	15	.33	.30	.39	.06
JAN. 13...	3300	320	9	.23	.05	.06	.16
FEB. 26...	2400	170	7	.20	<.02	--	.07
APR. 07...	2400	110	8	.22	.05	.06	.04
MAY 12...	1200	60	12	.32	.05	.06	.04
JULY 07...	1400	70	16	.31	.04	.05	.04
AUG. 21...	1200	110	21	.32	<.02	--	.03
SEP. 15...	2100	110	18	.26	<.02	--	.07
DATE	HARD- NESS (CA,MG) (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 21...	19	65	30	17	1.7	430	4.0
DEC. 05...	24	51	45	22	.7	1500	3.0
JAN. 13...	10	39	160	112	1.5	2300	10
FEB. 26...	9	36	70	60	1.0	930	4.0
APR. 07...	10	39	55	27	.8	430	6.0
MAY 12...	13	46	40	25	.6	930	2.0
JULY 07...	14	49	30	23	--	--	3.0
AUG. 21...	16	59	20	21	.4	430	3.0
SEP. 15...	17	56	120	48	.7	2300	4.0

ALTAMAHA RIVER BASIN

02208005 Yellow River near Stewart, Ga.

LOCATION.--Lat 33°26'26", long 83°52'43", Newton County, at bridge on State Highway 212, 2.5 mi (4.0 km) northwest of Stewart.

DRAINAGE AREA.--440 mi² (1,140 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 15...	1125	88	6.8	25.0	7.2
AUG. 01...	0945	212	6.8	24.0	7.1
SEP. 09...	1120	78	7.3	20.5	8.0

DATE	ALKAL- INITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY 15...	20	.36	<.02	--	.18	16
AUG. 01...	20	.47	<.02	--	.24	16
SEP. 09...	21	.36	.02	.03	.16	17

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 15...	62	30	25	.8	430	3.0
AUG. 01...	65	35	31	.4	9300	2.0
SEP. 09...	60	40	41	1.2	930	4.0

02208005 Yellow River near Stewart, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 21...	1200	480	7.2	14.0	9.2
DEC. 05...	1120	812	6.8	6.0	11.0
JAN. 13...	1305	3620	6.7	7.0	11.2
FEB. 26...	1410	3150	6.6	10.0	11.0
APR. 07...	1150	1120	6.6	12.5	9.8
MAY 12...	1145	508	6.9	20.0	7.8
JULY 07...	1010	532	7.2	23.0	6.8
AUG. 20...	1300	392	7.1	25.0	7.3
SEP. 15...	1145	1080	7.1	19.0	7.6

DATE	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 21...	23	.15	<.02	--	.27	19
DEC. 05...	15	.36	.02	.03	.24	24
JAN. 13...	9	.23	<.02	--	.18	6
FEB. 26...	7	.18	<.02	--	.08	10
APR. 07...	9	.26	.06	.08	.06	12
MAY 12...	12	.33	<.02	--	.08	13
JULY 07...	16	.54	.09	.12	.22	12
AUG. 20...	20	.46	.18	.23	.16	16
SEP. 15...	19	.33	.12	.15	.24	17

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 21...	68	25	16	1.9	4300	3.0
DEC. 05...	54	55	29	.9	930	4.0
JAN. 13...	39	120	112	1.4	4300	10
FEB. 26...	36	120	68	.8	1500	5.0
APR. 07...	40	55	26	.7	230	10
MAY 12...	46	40	30	.6	930	3.0
JULY 07...	55	45	58	--	--	8.0
AUG. 20...	64	25	18	.5	9300	6.0
SEP. 15...	59	100	36	.6	430	7.0

ALTAMAHA RIVER BASIN

02208450 Alcovy River above Covington, Ga.

LOCATION.--Lat 33°38'24", long 83°46'45", Newton County, at right bank on City of Covington water works intake structure, 400 ft (122 m) upstream from bridge on Alcovy Road, 600 ft (183 m) upstream from Georgia Railroad trestle, and 6 mi (10 km) northeast of Covington.

DRAINAGE AREA.--185 mi² (479 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1972 to current year.
Water temperature: May 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 4,140 ft³/s (117 m³/s) Mar. 15, gage height, 12.96 ft (3.950 m); minimum, 53 ft³/s (1.50 m³/s) Oct. 15, gage height, 3.50 ft (1.067 m). Maximum water temperature, 25.5°C Aug. 26, 27; minimum, unknown.
Period of record: Maximum discharge, 4,140 ft³/s (1.067 m³/s) Mar. 15, 1975, gage height, 12.96 ft (3.950 m); minimum daily, 25 ft³/s (.71 m³/s) Sept. 17, 1972. Maximum water temperature, 26.5°C July 25, Aug. 8, 1972; minimum, 1.5°C Jan. 13, 14, 1973.

REMARKS.--Records good except those for period of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	68	254	458	287	478	516	257	681	180	281	128
2	65	71	331	369	272	442	546	304	879	170	275	119
3	60	75	315	292	304	405	1,340	423	606	170	229	109
4	59	72	245	283	669	370	1,170	595	436	160	192	97
5	63	71	146	301	1,170	345	750	506	284	160	174	90
6	69	79	114	289	1,350	329	575	356	244	150	188	86
7	65	83	110	258	1,280	322	490	335	247	160	235	94
8	60	78	146	243	866	336	445	460	245	170	269	124
9	62	74	156	287	582	334	421	584	221	160	258	130
10	62	74	127	314	470	330	444	674	208	150	208	124
11	63	74	106	486	407	419	488	497	323	180	190	120
12	59	94	99	657	434	463	458	374	700	250	189	109
13	61	107	96	1,000	451	1,030	402	309	850	290	179	112
14	59	104	93	1,190	391	3,400	408	293	650	240	154	129
15	57	96	115	842	341	3,640	535	506	350	364	142	112
16	71	94	233	588	365	1,980	510	551	290	354	135	96
17	92	92	273	444	612	1,210	456	639	260	230	131	129
18	101	115	238	365	809	1,070	398	606	240	241	119	313
19	86	153	195	321	1,240	1,310	363	477	230	234	110	311
20	74	170	246	332	1,390	1,270	341	374	280	192	104	244
21	69	172	340	335	1,010	1,030	322	312	260	365	100	204
22	65	175	323	312	710	744	303	276	230	428	96	181
23	65	153	248	282	604	608	291	255	210	233	92	324
24	65	112	235	278	808	679	285	236	190	211	90	532
25	67	99	322	464	1,210	960	279	223	180	223	87	491
26	68	91	379	670	1,090	997	280	208	250	372	82	388
27	71	86	378	655	737	802	272	198	400	286	76	274
28	70	84	317	567	552	590	258	193	300	210	100	198
29	71	83	308	427	-----	517	247	222	230	193	158	164
30	70	104	450	350	-----	535	247	231	200	221	192	145
31	70	-----	506	312	-----	557	-----	257	-----	260	140	-----
TOTAL	2,114	3,003	7,444	13,971	20,411	27,452	13,840	11,731	10,674	7,207	4,975	5,677
MEAN	68.2	100	240	451	729	886	461	378	356	232	160	189
MAX	101	175	506	1,190	1,390	3,640	1,340	674	879	428	281	532
MIN	57	68	93	243	272	322	247	193	180	150	76	86
CFSM	.37	.54	1.30	2.44	3.94	4.79	2.49	2.04	1.92	1.25	.86	1.02
IN.	.43	.60	1.50	2.81	4.10	5.52	2.78	2.36	2.15	1.45	1.00	1.14

CAL YR 1974 TOTAL 79,019 MEAN 216 MAX 1,630 MIN 57 CFSM 1.17 IN 15.89
WTR YR 1975 TOTAL 128,499 MEAN 352 MAX 3,640 MIN 57 CFSM 1.90 IN 25.84

PEAK DISCHARGE (BASE, 1,800 CFS)

NOTE.--No gage-height record June 12 to July 14.

DATE TIME G.H. DISCHARGE

3-15 0200 12.96 4,140
4-3 1800 10.11 1,860

02208450 Alcovy River above Covington, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	15.0	14.0	13.0	5.5	5.0	---	---	---	---	11.5	7.5
2	15.0	14.0	13.5	13.0	5.0	4.5	---	---	---	---	9.5	6.0
3	14.0	12.5	13.5	13.0	4.5	4.0	---	---	---	---	8.0	4.0
4	12.5	11.0	13.5	13.0	4.5	4.0	---	---	---	---	6.0	4.0
5	11.5	10.0	14.0	13.5	4.5	---	---	---	---	---	9.0	4.0
6	11.0	10.5	13.5	12.5	4.5	---	---	---	---	---	10.5	5.5
7	12.0	10.5	12.5	11.0	4.5	3.0	---	---	---	---	12.0	8.0
8	12.5	11.5	11.5	10.5	5.0	4.0	---	---	---	---	12.5	8.5
9	12.5	11.5	11.0	10.0	5.0	2.5	---	---	---	---	10.0	6.5
10	12.5	11.5	10.0	9.5	5.0	---	---	---	---	---	8.5	7.5
11	13.0	12.0	10.0	9.0	---	---	---	---	---	---	9.5	8.0
12	13.0	12.0	9.5	9.5	---	---	---	---	---	---	12.0	9.5
13	13.5	12.5	9.5	8.5	---	---	---	---	---	---	14.0	12.0
14	14.0	13.0	8.5	8.0	---	---	---	---	---	---	14.5	12.0
15	15.0	13.5	8.0	7.5	---	---	---	---	---	---	11.5	10.0
16	15.0	14.5	7.5	6.5	---	---	---	---	---	---	11.5	10.0
17	14.5	13.5	7.5	6.5	---	---	---	---	---	---	11.5	10.0
18	14.0	13.0	8.5	7.5	---	---	---	---	---	---	11.5	10.0
19	13.5	12.5	9.5	8.5	---	---	---	---	---	---	10.0	9.5
20	13.0	11.5	10.5	9.5	---	---	---	---	---	---	13.0	9.5
21	11.5	10.5	10.5	9.5	---	---	---	---	---	---	15.0	11.5
22	10.5	9.5	9.5	8.5	---	---	---	---	---	---	17.0	14.5
23	10.0	8.5	9.0	8.0	---	---	---	---	---	---	17.0	14.0
24	9.5	8.5	8.5	7.5	---	---	---	---	---	---	16.5	15.5
25	10.0	9.0	8.5	8.0	---	---	---	---	---	---	15.5	13.0
26	11.0	9.5	8.0	7.0	---	---	---	---	---	---	14.0	11.5
27	11.5	10.5	7.0	6.0	---	---	---	---	---	---	15.0	11.5
28	12.0	11.0	6.0	5.5	---	---	---	---	10.5	9.5	15.0	13.0
29	13.0	11.5	5.5	---	---	---	---	---	---	---	16.5	14.0
30	13.5	12.5	5.5	5.0	---	---	---	---	---	---	16.5	14.0
31	14.0	13.0	---	---	---	---	---	---	---	---	14.0	11.0
MONTH	16.5	8.5	14.0	5.0	---	---	---	---	---	---	17.0	4.0
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.5	12.5	20.0	19.5	22.0	21.5	24.5	22.5	22.5	21.5	24.0	22.0
2	15.5	15.0	21.0	18.5	21.5	20.5	24.0	22.5	23.5	22.0	24.0	21.5
3	15.0	13.5	20.0	18.5	21.0	19.5	24.0	22.0	24.5	22.5	24.5	21.5
4	13.0	11.0	19.0	18.0	21.5	19.5	24.0	22.0	24.5	23.0	24.5	22.0
5	14.5	10.5	18.5	16.5	22.0	20.0	24.0	22.0	24.5	23.0	25.0	22.5
6	15.5	10.5	18.5	15.5	22.0	21.0	23.5	22.5	23.5	23.0	24.0	22.5
7	16.0	11.0	18.5	17.5	22.5	21.0	23.5	22.0	23.5	22.5	23.0	22.5
8	16.0	13.0	18.0	17.5	23.0	20.5	24.0	22.5	23.0	22.5	23.5	22.0
9	15.5	13.0	18.0	17.5	22.0	20.5	24.5	22.5	23.5	22.0	23.5	22.0
10	15.5	14.5	19.5	18.5	22.0	20.5	24.0	22.5	23.5	22.5	24.0	22.0
11	14.5	14.5	19.5	18.0	23.0	20.0	23.0	22.0	23.5	22.0	24.0	22.5
12	17.0	13.5	20.5	18.0	21.5	20.5	22.0	21.0	24.0	22.0	24.0	22.0
13	16.0	11.5	20.5	18.5	21.5	20.5	22.5	21.0	25.0	22.5	23.0	21.5
14	14.0	12.5	20.5	18.5	21.5	19.5	23.5	21.5	25.0	22.5	21.0	19.0
15	15.5	12.0	18.5	19.0	21.5	20.5	23.0	21.5	25.0	23.0	19.0	17.5
16	16.5	12.0	18.5	19.0	22.5	20.5	22.0	21.5	25.0	23.5	18.0	17.5
17	18.0	13.0	18.0	18.5	22.5	20.5	23.0	21.5	25.0	23.0	19.0	18.0
18	19.0	15.0	20.0	19.0	23.5	21.5	23.0	21.5	25.0	23.0	20.5	19.0
19	20.0	17.5	20.5	18.5	24.0	21.5	24.0	22.0	24.5	23.0	21.5	19.5
20	19.5	16.5	21.0	18.5	23.5	21.5	24.5	22.5	24.5	23.0	22.0	19.5
21	18.5	14.5	21.5	19.0	23.5	21.5	23.0	22.5	24.5	22.5	22.0	20.5
22	18.5	14.5	22.5	20.0	23.5	21.5	23.0	22.0	24.5	22.5	21.5	20.5
23	18.5	15.0	21.0	21.0	22.5	20.5	24.0	22.5	25.0	23.0	21.0	20.0
24	19.0	16.0	23.5	21.0	22.0	20.5	24.0	23.0	25.0	23.0	20.5	18.5
25	20.0	17.5	23.5	21.0	22.5	20.0	24.0	23.0	25.5	23.5	18.5	17.5
26	21.5	18.5	24.0	21.5	23.0	21.0	24.0	23.0	25.5	23.5	17.5	16.0
27	22.0	19.0	24.0	20.5	22.5	21.5	24.5	23.0	25.5	23.0	17.5	15.0
28	21.5	17.5	23.0	21.0	23.0	21.0	25.0	23.0	24.5	23.0	18.0	15.5
29	20.0	14.5	22.0	21.0	23.5	21.5	24.5	23.0	23.5	22.5	18.0	16.0
30	21.5	14.0	22.5	21.0	24.5	22.0	23.0	22.5	24.0	22.0	19.0	17.0
31	---	---	21.0	21.5	---	---	23.0	22.0	23.5	22.0	---	---
MONTH	22.0	10.5	24.5	15.5	24.5	19.5	25.0	21.0	25.5	21.5	25.0	15.0

ALTAMAHA RIVER BASIN

02209260 Alcovy River above Stewart, Ga.

LOCATION.--Lat 33°26'58", long 83°49'42", Newton County, at bridge on Newton Factory Bridge Road, 2.6 mi (4.2 km) northeast of Stewart.

DRAINAGE AREA.--250 mi² (650 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 15...	1200	6.9	25.0	7.8
AUG. 01...	1015	6.8	24.0	7.8
SEP. 09...	1050	7.4	20.0	8.3

DATE	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY 15...	17	.33	<.02	.05	12
AUG. 01...	15	.32	<.02	.07	12
SEP. 09...	17	.36	<.02	.05	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 15...	48	90	31	.5	73	3.0
AUG. 01...	48	75	31	.3	430	3.0
SEP. 09...	51	70	23	.9	230	4.0

02209260 Alcovy River above Stewart, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
OCT.						
21...	1230	7.2	15.5	9.3		
DEC.						
05...	1140	6.4	5.0	11.7		
JAN.						
13...	1405	6.9	6.0	11.4		
FEB.						
26...	1330	6.6	10.0	11.0		
APR.						
07...	1220	6.9	13.0	9.6		
MAY						
12...	1215	6.9	14.5	8.8		
JULY						
07...	1045	7.3	22.5	7.7		
AUG.						
20...	1220	7.1	24.5	7.8		
SEP.						
15...	1215	7.2	19.0	7.4		

DATE	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
21...	20	.03	<.02	--	.04	18
DEC.						
05...	9	.21	.02	.03	.08	10
JAN.						
13...	8	.16	<.02	--	.13	12
FEB.						
26...	6	.16	<.02	--	.07	10
APR.						
07...	8	.20	.06	.08	.04	10
MAY						
12...	10	.29	.03	.04	.05	11
JULY						
07...	15	.40	<.02	--	.04	16
AUG.						
20...	19	.41	<.02	.03	.02	13
SEP.						
15...	18	.35	<.02	--	.07	13

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL) (UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
21...	55	50	12	1.9	36	4.0
DEC.						
05...	38	90	28	1.2	2300	4.0
JAN.						
13...	34	120	72	1.5	4300	10
FEB.						
26...	30	120	58	1.0	2300	5.0
APR.						
07...	35	65	21	.8	36	4.0
MAY						
12...	41	90	28	.6	230	5.0
JULY						
07...	46	50	23	--	--	3.0
AUG.						
20...	54	60	20	.2	230	3.0
SEP.						
15...	51	100	26	.4	430	3.0

ALTAMAHA RIVER BASIN

02210500 Ocmulgee River near Jackson, Ga.

LOCATION.--Lat 33°18'27", long 83°50'18", Butts County, on right bank 500 ft (152 m) upstream from bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Yellow Water Creek, 1 mi (1.6 km) downstream from Lloyd Shoals Dam, and 7 mi (11 km) east of Jackson.

DRAINAGE AREA.--1,420 mi² (3,680 km²), approximately.

PERIOD OF RECORD.--Discharge: May 1906 to September 1915, August 1939 to September 1960. Water years 1920, 1961-65 (annual maximum only).

Chemical analyses: July 1974 to current year.

AVERAGE DISCHARGE.--30 years, 1,707 ft³/s (48.3 m³/s), 16.32 in/yr (414.5 mm/yr), unadjusted.

EXTREMES.--Period of record: Maximum discharge, 56,600 ft³/s (1,600 m³/s) Nov. 28, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 18 ft³/s (.51 m³/s) Nov. 20, 1910.

Maximum stage known, 26.8 ft (8.17 m) Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft³/s (1,950 m³/s), by computation of flow over dam.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY					
15...	1240	4260	6.4	24.5	2.2
AUG.					
01...	1150	1030	6.4	26.0	1.5
SEP.					
09...	1205	796	6.9	24.0	3.6

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY					
15...	23	.44	.25	.32	.17
AUG.					
01...	25	.37	.43	.55	.19
SEP.					
09...	21	.25	.29	.37	.12

DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY							
15...	18	82	10	7	1.2	2300	4.0
AUG.							
01...	18	88	10	6	1.1	36	3.0
SEP.							
09...	17	72	20	12	1.7	<30	4.0

02210500 Ocmulgee River near Jackson, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 21...	1310	660	7.3	16.5	7.3
DEC. 05...	1230	3510	6.4	9.0	6.6
JAN. 13...	1520	8790	7.0	10.0	11.0
FEB. 26...	1230	8840	7.0	12.0	10.4
APR. 07...	1215	3760	6.9	14.0	7.8
MAY 12...	1300	3560	6.7	20.0	5.8
JULY 07...	1220	3460	7.0	24.5	3.0
AUG. 20...	1125	760	6.9	25.0	3.1
SEP. 15...	1300	1810	7.1	25.0	5.4

DATE	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT. 21...	24	.52	<.02	.03	.16	--
DEC. 05...	22	.76	.20	.26	.26	--
JAN. 13...	13	.57	.10	.13	.22	--
FEB. 26...	8	.34	.02	.03	.15	--
APR. 07...	7	.21	.10	.13	.14	--
MAY 12...	13	.45	.13	.17	.12	--
JULY 07...	17	.36	.16	.21	.08	8
AUG. 20...	19	.41	.17	.22	.07	3
SEP. 15...	20	.33	.06	.08	.08	<1

DATE	HARD- NESS (CA+MG) (MG/L)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 21...	19	88	<5	5	3.2	<30	4.0
DEC. 05...	18	86	25	16	2.4	4300	8.0
JAN. 13...	14	59	80	56	1.5	2300	7.0
FEB. 26...	11	43	140	78	1.4	930	5.0
APR. 07...	10	35	180	96	1.2	4300	6.0
MAY 12...	14	55	60	27	.8	<30	3.0
JULY 07...	18	59	20	10	--	--	3.0
AUG. 20...	16	63	35	14	.6	91	7.0
SEP. 15...	19	71	20	4	1.3	<30	4.0

ALTAHAMA RIVER BASIN

02211459 Big Towaliga Creek near Barnesville, Ga.

LOCATION.--Lat 33°04'20", long 84°11'04", Lamar County, on right bank 26 ft (7.9 m) upstream from culvert on county road, 2.1 mi (3.4 km) northwest of Barnesville, and 6.2 mi (10.0 km) upstream from Little Towaliga River.

DRAINAGE AREA.--2.36 mi² (6.11 km²).

PERIOD OF RECORD.--Annual maximum, water years 1969-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 695 ft (212 km), from topographic map.

EXTREMES.--Current year: Maximum discharge, 384 ft³/s (10.9 m³/s) Apr. 3, gage height, 6.39 ft (1.948 m); minimum daily, 1.2 ft³/s (34.0 l/s) Sept. 10, 11, 27, 28.

Period of record: Maximum discharge, 483 ft³/s (13.7 m³/s) Mar. 2, 1971, gage height, 6.69 ft (2.039 m); minimum daily, 1.2 ft³/s (34.0 l/s) Sept. 10, 11, 27, 28, 1975.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.6	2.5	3.1	3.1	4.5	3.8	3.0	4.7	1.5	3.7	2.0
2	2.7	3.5	1.4	2.9	3.3	3.4	4.6	2.9	2.6	1.5	2.6	1.9
3	2.8	3.5	1.4	3.1	4.5	3.7	6.1	3.4	2.1	1.5	2.3	1.8
4	3.2	3.5	1.7	4.7	6.2	3.6	1.1	3.0	1.9	1.4	3.7	1.8
5	3.3	4.0	1.9	3.5	5.4	3.9	8.1	2.7	1.8	1.3	4.8	1.7
6	3.3	3.1	1.9	3.3	4.5	3.3	7.6	2.5	1.7	1.5	5.1	1.6
7	3.5	3.2	4.1	3.1	3.4	4.0	6.4	4.1	1.8	2.8	4.3	1.8
8	3.6	3.1	2.4	6.5	3.7	4.1	5.3	3.2	1.8	3.0	3.4	1.5
9	3.7	3.1	2.1	4.9	3.4	3.4	8.5	2.8	3.4	1.7	3.2	1.4
10	3.7	3.3	2.0	4.5	3.4	3.6	7.4	2.0	4.0	1.5	3.1	1.2
11	3.8	3.8	1.9	1.1	3.4	4.4	6.1	5.1	6.8	1.6	3.3	1.2
12	3.8	3.8	2.2	1.6	1.2	7.2	4.7	3.3	4.4	1.4	3.0	1.5
13	3.9	3.4	2.2	8.6	4.0	5.4	4.1	2.8	2.8	1.4	2.8	1.8
14	4.0	3.4	2.2	5.4	3.5	4.2	3.7	2.2	2.2	1.6	2.7	1.5
15	4.1	3.6	4.4	4.4	3.1	1.1	1.3	9.8	2.1	1.4	2.6	1.6
16	3.3	3.7	3.7	3.8	6.0	2.5	8.5	9.6	2.0	1.4	2.6	1.6
17	2.8	3.8	2.7	3.5	4.8	1.1	6.4	6.9	1.8	2.1	2.5	2.1
18	2.8	3.8	2.5	3.4	1.2	2.4	5.5	4.7	1.6	1.7	2.5	2.0
19	2.9	2.7	6.3	3.3	2.1	1.4	5.0	3.9	2.2	1.5	2.5	1.8
20	3.0	3.7	6.4	3.2	8.4	8.8	4.4	3.2	1.5	2.0	2.5	1.7
21	3.1	2.6	4.4	3.1	6.2	6.4	3.9	2.9	5.6	2.2	2.6	1.8
22	3.2	2.7	3.2	3.0	6.4	6.1	3.7	2.8	2.8	2.2	2.6	1.7
23	3.3	2.4	2.4	5.0	7.0	5.5	3.5	2.6	2.1	1.8	2.6	1.6
24	3.1	2.8	2.1	6.0	2.4	8.1	3.4	2.5	1.9	2.6	2.6	1.6
25	3.3	3.1	7.2	5.5	7.5	6.1	3.3	2.4	1.7	1.6	3.7	1.5
26	3.4	3.2	5.0	4.3	6.2	4.4	3.2	2.3	1.7	3.1	4.2	1.7
27	3.2	2.4	4.1	3.6	5.4	4.7	3.1	2.2	1.7	2.3	4.1	1.2
28	3.2	1.4	3.5	3.4	4.4	4.5	2.9	2.9	1.7	1.6	2.7	1.2
29	3.2	1.9	4.2	3.2	-----	4.2	3.1	3.3	1.6	3.4	2.8	1.4
30	3.4	6.2	3.5	3.1	-----	4.8	3.2	2.4	1.5	5.3	2.7	1.6
31	3.4	-----	3.4	3.1	-----	4.0	-----	2.9	-----	5.0	2.1	-----
TOTAL	103.4	99.1	120.7	151.5	230.9	234.1	293.1	144.3	89.0	64.9	95.9	48.8
WY 65	3.4	3.8	4.0	4.5	8.2	8.6	9.7	4.7	2.9	2.0	3.0	1.6
WY 66	4.1	6.2	2.1	1.6	4.5	4.4	6.1	2.2	1.5	5.3	5.1	2.1
WY 67	2.5	1.4	1.7	2.2	3.1	3.3	2.9	2.2	1.5	1.3	2.1	1.2
WY 68	1.4	1.0	1.7	2.0	3.5	4.0	4.1	2.0	1.2	1.3	1.3	1.3
WY 69	1.5	1.5	1.7	2.3	3.5	4.7	4.5	2.3	1.4	1.0	1.5	1.7

WY 65-1975 TOTAL 1,747.7 WY 66-1976 TOTAL 4,744.7 WY 67-1977 TOTAL 1,221.2 WY 68-1978 TOTAL 2,003.3 WY 69-1979 TOTAL 2,745.5

PEAK DISCHARGE (BASE, 180 CFS)

DATE	TIME	G.H.	DISCHARGE
3-13	2300	6.31	372
4-3	0145	6.39	384

95

LOCATION.—Lat 33°05'50", long 83°47'10", Jones County, on left bank 0.9 mi (1.4 km) downstream from Juliette Mills at Juliette, and 2.5 mi (4.0 km) downstream from Towaliga River.

PERIOD OF RECORD.--June 1916 to Sept. 1921, July 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 340.97 ft (103.93 m) above mean sea level.

AVERAGE DISCHARGE.--6 years (1916-21, 1974-75), 2,916 ft³/s (82.6 m³/s), 20.20 in/yr (513.1 mm/yr).

EXTREMES.—July to September 1974: Maximum discharge during period, 4,200 ft³/s (119 m³/s) Aug. 15, gage height, 7.25 ft (2.210 m); minimum daily, 682 ft³/s (19.3 m³/s) Sept. 24.

Water year 1975: Maximum discharge, 36,400 ft³/s (1,030 m³/s) Apr. 3, gage height, 23.92 ft (7.291 m); minimum daily, 621 ft³/s (17.6 m³/s) Oct. 21.

Period of record: Maximum discharge, 52,900 ft³/s (1,500 m³/s) Dec. 11, 1919, gage height, 30.8 ft (9.39 m); minimum daily, 438 ft³/s (12.4 m³/s) Oct. 28, 1918.

Maximum stage known, about 32 ft (9.75 m) in May 1886, from floodmarks, discharge, 55,800 ft³/s (1,580 m³/s).

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir (see sta. 02210000).

REVISIONS.--WSP 1724: Drainage area.

[illegible]

ALTAMAHA RIVER BASIN

02212500 Ocmulgee River at Juliette, Ga.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	682	667	1,800	4,070	4,010	4,650	4,320	2,420	3,520	1,580	5,290	1,760
2	700	662	2,300	3,410	3,250	4,220	5,760	2,380	9,820	1,410	5,840	1,690
3	679	668	1,700	2,430	3,810	4,320	28,700	3,810	6,400	1,620	4,950	1,950
4	661	664	1,400	2,700	5,000	4,240	30,100	6,800	2,740	1,660	2,570	1,900
5	677	663	1,300	2,640	6,000	4,220	11,000	6,780	2,540	1,330	2,690	1,810
6	665	698	1,500	3,510	9,440	4,160	8,350	3,830	2,260	1,280	2,560	1,320
7	656	695	1,800	2,690	10,100	4,090	5,190	2,730	2,350	1,870	3,500	1,010
8	687	650	1,700	2,650	6,010	4,200	4,820	3,890	4,410	2,200	4,160	998
9	650	669	1,800	3,080	5,920	2,620	4,750	3,840	3,270	1,460	3,480	991
10	650	671	1,300	2,800	4,330	2,180	5,170	3,900	1,200	1,540	2,230	982
11	683	663	900	5,070	4,210	3,660	5,030	3,870	3,490	2,130	4,880	1,020
12	644	700	800	7,830	4,880	4,500	4,630	3,750	10,000	2,510	4,120	1,480
13	640	700	1,200	11,000	5,160	8,470	4,000	2,200	12,200	2,550	2,350	1,480
14	651	684	1,000	10,100	4,280	23,800	6,650	1,570	5,010	2,180	1,840	1,340
15	631	728	1,500	7,150	3,710	29,500	10,700	3,520	3,660	2,330	1,430	1,120
16	709	699	3,000	4,380	3,180	23,500	7,090	4,340	3,450	3,210	1,650	2,030
17	693	707	2,500	4,410	10,000	18,000	5,190	7,050	2,300	1,940	1,520	2,040
18	697	787	2,620	3,840	11,100	12,400	4,680	8,370	1,800	2,090	1,780	2,520
19	674	841	1,670	3,020	14,200	14,000	4,460	6,960	2,030	1,980	1,310	3,050
20	636	881	3,380	3,070	14,900	14,500	4,310	3,800	2,330	1,450	1,180	2,330
21	621	1,620	3,090	2,740	10,100	11,800	4,050	2,590	3,500	2,240	1,290	2,140
22	687	1,200	2,120	2,860	6,630	7,700	2,390	2,570	2,280	2,240	1,020	2,960
23	687	1,260	2,140	3,560	7,250	4,780	1,870	2,280	2,000	1,880	1,020	3,190
24	665	794	4,130	3,050	9,960	5,150	2,210	1,730	2,160	1,870	1,130	3,340
25	664	1,000	6,490	4,190	13,700	8,490	2,550	2,050	1,770	2,390	1,510	1,630
26	656	1,200	5,410	5,520	10,900	11,200	2,310	1,820	1,820	2,050	1,380	2,080
27	651	1,300	4,370	5,890	6,520	7,050	2,290	2,930	2,000	3,140	1,320	2,440
28	658	900	2,880	4,510	4,810	4,530	2,820	1,190	1,940	2,300	1,220	2,020
29	665	800	2,600	3,900	-----	4,440	2,690	1,780	1,840	1,850	1,500	1,470
30	666	1,200	3,480	3,740	-----	5,240	2,560	2,460	1,470	2,440	1,580	1,360
31	675	-----	4,300	4,110	-----	4,670	-----	2,370	-----	4,940	1,440	-----
TOTAL	20,660	25,371	76,180	133,920	203,360	266,280	190,640	109,580	105,560	65,660	73,740	55,451
MEAN	666	846	2,457	4,320	7,263	8,590	6,355	3,535	3,519	2,118	2,379	1,848
MAX	709	1,620	6,490	11,000	14,900	29,500	30,100	8,370	12,200	4,940	5,840	3,340
MIN	621	650	800	2,430	3,180	2,180	1,870	1,190	1,200	1,280	1,020	982

WTR YR 1975 TOTAL 1,326,402 MEAN 3,634 MAX 30,100 MIN 621 MEAN† 3,632 CFSM† 1.85 IN† 25.11

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

97

02212600 Falling Creek near Juliette, Ga.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°05'59", long 83°43'25", Jones County, on left bank 100 ft (30 m) upstream from highway bridge, 4 mi (6.4 km) upstream from Caney Creek, and 5.1 mi (8.2 km) east of Juliette.

DRAINAGE AREA.--72.2 mi² (187 km²).

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

Chemical analyses: October 1967 to current year.

Water temperature: August 1965 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.

AVERAGE DISCHARGE.--11 years, 67.9 ft³/s (1.92 m³/s), 12.77 in/yr (324.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,210 ft³/s (148 m³/s) Apr. 3, gage height, 20.26 ft (6.175 m); minimum daily, 7.0 ft³/s (198 l/s) Oct. 12-14. Maximum water temperature, 25.5°C July 18; minimum, 3.5°C Dec. 6.

Period of record: Maximum discharge, 7,700 ft³/s (218 m³/s) Mar. 2, 1971, gage height, 23.0 ft (7.010 m), from floodmark; minimum, 0.14 ft³/s (3.96 l/s) Sept. 29, 30, 1972. Maximum water temperature, 31.5°C Aug. 3, 1970; minimum, freezing point Jan. 9, 10, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	11	162	76	54	82	70	41	46	19	309	15
2	12	11	68	60	51	69	233	41	42	18	145	15
3	11	11	37	50	76	59	3,300	176	33	18	65	14
4	10	11	27	70	261	54	472	277	29	17	45	13
5	9.9	14	23	86	232	51	197	93	25	16	48	12
6	9.3	21	22	64	140	50	143	59	24	16	47	12
7	9.3	17	23	53	96	48	113	53	33	20	58	25
8	8.4	16	53	57	73	70	95	61	49	35	40	20
9	8.2	15	42	76	63	53	92	55	33	85	34	18
10	7.4	15	29	74	57	47	175	58	32	33	30	16
11	7.4	15	26	975	53	53	183	68	81	27	50	59
12	7.0	20	25	523	290	63	112	49	81	25	64	33
13	7.0	19	24	770	241	495	84	40	47	23	44	27
14	7.0	18	23	214	119	3,240	564	46	33	21	31	23
15	7.2	15	104	130	85	488	902	190	30	20	26	18
16	11	15	268	97	82	456	226	132	28	23	23	16
17	17	14	103	77	1,070	392	135	294	26	39	23	21
18	11	46	59	66	845	340	101	199	25	35	24	39
19	9.6	35	57	61	997	593	83	94	31	30	22	29
20	9.6	36	353	65	353	239	73	62	29	23	20	24
21	9.0	46	332	65	176	159	62	49	30	24	19	21
22	8.8	28	140	54	160	123	57	42	29	24	18	20
23	8.8	21	82	53	258	103	53	37	25	23	17	72
24	8.8	18	379	144	874	166	51	33	22	33	16	86
25	8.8	17	427	1,080	374	266	49	31	21	33	16	50
26	9.0	16	176	298	160	136	49	28	33	26	16	33
27	9.6	16	107	149	112	100	46	27	29	24	17	27
28	9.9	15	79	103	90	86	43	26	23	23	17	24
29	9.9	15	106	80	-----	80	41	28	21	58	18	21
30	9.9	34	162	68	-----	87	45	35	20	157	17	20
31	10	-----	106	61	-----	82	-----	38	-----	248	16	-----
TOTAL	294.8	601	3,624	5,799	7,442	8,330	7,849	2,462	1,010	1,216	1,335	823
MEAN	9.51	20.0	117	187	266	269	262	79.4	33.7	39.2	43.1	27.4
MAX	17	46	427	1,080	1,070	3,240	3,300	294	81	248	309	86
MIN	7.0	11	22	50	51	47	41	26	20	16	16	12
CFSM	.13	.28	1.62	2.59	3.68	3.73	3.63	1.10	.47	.54	.60	.38
IN.	.15	.31	1.87	2.99	3.83	4.29	4.04	1.27	.52	.63	.69	.42

CAL YR 1974 TOTAL 31,822.2 MEAN 87.2 MAX 2,860 MIN 7.0 CFSM 1.21 IN 16.40
WTR YR 1975 TOTAL 40,785.8 MEAN 112 MAX 3,300 MIN 7.0 CFSM 1.55 IN 21.01

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-11	1400	11.29	1,190	3-14	0945	19.74	4,790
1-25	1030	12.05	1,360	4-3	0945	20.26	5,210
2-17	2045	13.75	1,820	4-15	0445	11.77	1,300
2-24	1745	11.29	1,190				

ALTAMAHA RIVER BASIN

02212600 Falling Creek near Juliette, Ga.--Continued
(Hydrologic bench-mark station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)
FEB.					
06...	1200	140	48	6.3	11.4
25...	1330	20	--	--	--
MAR.					
21...	1200	159	51	5.6	9.9
MAY					
22...	1100	42	102	--	8.9
29...	1120	27	61	--	8.6
JUNE					
02...	1300	42	--	--	--
12...	1200	89	95	--	7.4
25...	1330	20	122	--	7.3
30...	1400	19	129	6.4	7.7
JULY					
15...	0840	18	125	5.6	8.1
AUG.					
10...	1100	30	121	7.3	6.7

DATE	DIS- SOLVED SILICA (STOP) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
FEB.										
06...	15	--	260	66	7.5	3.3	4.4	1.1	36	0
MAR.										
21...	13	--	150	90	4.9	2.5	3.3	1.0	31	0
MAY										
22...	18	--	420	70	9.2	4.6	4.9	.9	57	0
29...	--	20	--	--	--	--	--	--	--	--
JUNE										
12...	17	--	340	60	10	4.8	5.9	1.0	59	0
25...	21	--	220	100	11	5.5	6.6	1.0	74	0
30...	21	10	540	90	11	5.5	6.7	1.1	76	0
JULY										
15...	21	--	170	100	12	5.6	6.9	1.1	76	0
AUG.										
10...	21	--	420	70	11	5.4	7.0	1.8	69	0

DATE	ALKA- LINIT AS CARBON (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	DIS- SOLVED NITRATE PLUS NITRITE (N) (MG/L)
FEB.										
06...	30	4.5	2.7	.3	.07	.31	.00	.00	--	.07
MAR.										
21...	25	4.6	1.5	.1	.05	.22	.00	.00	--	.05
MAY										
22...	47	1.8	2.4	.3	.07	.31	.00	.00	--	.07
29...	--	--	--	--	--	--	--	--	.07	--
JUNE										
12...	44	2.4	2.1	.4	.07	.31	.00	.00	--	.07
25...	61	2.3	2.9	.5	.09	.35	.00	.00	--	.09
30...	62	1.4	2.1	.6	.10	.44	.01	.03	.06	.11
JULY										
15...	62	1.4	2.4	.4	.11	.49	.00	.00	--	.11
AUG.										
10...	57	2.5	2.6	.6	.08	.35	.00	.00	--	.08

ALTAMAHA RIVER BASIN

02212600 Falling Creek near Juliette, Ga.--Continued
(Hydrologic bench-mark station)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	18.0	10.5	9.5	8.0	5.5	13.5	12.0	14.5	12.0	11.0	9.5
2	18.0	16.0	15.5	14.5	5.5	5.0	12.0	9.0	14.0	13.0	10.0	8.5
3	16.5	14.5	16.0	14.5	5.5	4.5	9.5	8.5	13.0	9.5	9.0	6.5
4	14.5	13.5	16.0	14.5	5.5	4.0	10.0	9.0	9.5	8.0	6.5	6.0
5	13.5	12.0	10.5	10.0	5.0	4.0	9.0	7.0	8.0	7.0	9.0	5.5
6	13.5	11.5	10.0	7.0	5.0	3.5	9.0	8.0	9.5	9.0	10.0	8.0
7	14.5	13.0	13.5	11.0	6.0	5.0	8.5	7.0	9.5	7.0	11.5	8.5
8	15.0	14.0	13.0	12.0	7.0	6.0	9.0	8.5	7.0	5.5	11.5	10.0
9	15.5	14.5	13.5	10.5	7.0	5.5	10.0	9.0	7.0	6.0	10.0	8.0
10	15.5	14.5	12.0	9.5	5.5	4.0	13.0	10.0	8.0	5.5	9.0	8.5
11	15.5	15.0	12.0	9.5	6.0	4.0	13.0	12.0	10.0	7.0	11.0	9.0
12	15.5	15.0	12.0	10.5	7.0	6.0	12.0	10.5	13.0	10.0	13.5	11.0
13	15.5	15.0	11.0	9.5	8.0	6.5	10.5	8.0	13.0	10.5	14.5	13.5
14	16.0	15.5	10.0	8.5	6.5	5.0	8.0	6.0	11.0	9.5	14.5	11.5
15	17.0	16.0	9.5	8.0	6.5	5.5	6.0	5.0	11.0	9.5	12.0	10.5
16	18.0	17.0	8.5	6.0	7.0	6.5	6.5	5.5	11.5	11.0	12.0	11.0
17	18.0	15.5	10.5	8.0	7.0	5.5	6.5	5.5	13.0	11.5	13.5	11.5
18	16.0	14.5	11.5	10.5	5.5	4.5	8.0	6.0	13.5	13.0	13.5	12.0
19	15.5	14.0	12.0	11.5	5.5	4.5	9.0	6.5	14.0	13.5	12.0	11.5
20	14.0	12.0	13.5	12.0	7.0	5.5	9.5	8.5	13.5	11.0	14.0	11.0
21	13.0	11.5	12.0	10.5	8.0	7.0	8.5	7.0	11.0	10.0	15.0	13.0
22	11.5	10.5	10.0	9.0	8.0	5.5	8.5	8.0	11.0	10.5	15.5	15.0
23	11.0	10.0	9.5	8.0	7.0	5.5	8.5	8.5	14.0	10.5	17.0	15.5
24	11.0	10.0	10.0	8.0	9.5	7.0	9.0	8.5	14.0	12.0	17.0	15.0
25	11.5	10.0	10.5	8.5	11.0	9.5	10.5	9.0	12.0	10.0	15.5	14.0
26	13.0	11.0	8.5	6.5	11.0	10.0	10.0	9.0	11.0	9.5	15.0	13.5
27	14.0	12.0	7.0	5.0	10.0	9.5	9.5	8.5	11.0	10.0	15.5	13.5
28	14.5	13.5	6.5	4.5	10.5	10.0	10.5	9.5	11.0	9.5	16.5	15.0
29	15.0	14.0	5.5	4.0	11.0	10.5	11.5	10.0	---	---	17.0	15.5
30	15.5	15.0	7.0	5.5	12.0	11.0	13.5	11.5	---	---	18.0	15.0
31	16.0	15.0	---	---	13.5	13.0	14.5	13.0	---	---	15.5	14.0
MONTH	19.0	10.0	16.0	4.0	13.5	3.5	14.5	5.0	14.5	5.5	18.0	5.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	14.5	20.5	20.0	23.5	22.0	24.5	23.0	23.0	21.5	23.5	21.0
2	17.0	15.5	21.0	19.5	23.5	21.5	24.5	22.0	23.5	22.0	23.5	20.0
3	15.5	15.0	20.5	19.0	23.0	21.0	24.0	21.5	24.5	23.5	22.0	20.0
4	14.0	13.0	20.0	19.5	23.0	20.5	24.5	22.0	24.5	23.0	23.0	20.5
5	14.5	12.0	20.0	18.5	23.0	20.5	24.5	23.0	24.5	23.5	---	---
6	14.5	12.0	19.0	17.0	23.0	21.5	24.5	22.0	24.0	23.5	---	---
7	15.0	13.0	19.5	18.5	23.5	21.5	24.0	22.0	23.5	23.5	---	---
8	15.5	14.5	19.5	19.0	23.0	22.0	23.5	23.0	23.5	23.0	---	---
9	15.5	14.5	19.5	19.0	23.5	22.0	24.5	23.0	24.0	23.0	---	---
10	15.0	15.0	20.0	19.0	24.0	22.0	24.5	23.0	24.0	23.0	---	---
11	17.0	15.0	20.5	19.5	23.5	23.0	24.0	23.5	23.5	23.0	---	---
12	16.5	15.0	20.5	19.0	24.0	23.0	24.0	22.0	24.5	23.0	---	---
13	15.5	13.5	21.0	19.0	24.0	21.0	24.0	22.0	25.0	23.5	---	---
14	15.0	13.5	21.0	19.5	23.5	21.5	23.5	21.5	25.0	23.0	---	---
15	15.5	13.0	20.5	20.0	22.0	21.0	24.0	23.0	25.0	23.5	---	---
16	15.5	14.0	20.5	19.5	23.0	21.0	23.5	22.0	25.0	23.5	---	---
17	16.5	14.5	20.0	19.5	23.5	21.5	24.5	21.5	25.0	23.5	---	---
18	18.0	16.0	20.0	19.5	24.0	22.0	25.5	23.0	25.0	24.0	---	---
19	19.0	18.0	20.5	19.5	24.0	21.5	25.0	24.0	25.0	23.5	---	---
20	19.0	18.0	21.0	19.5	23.5	21.5	24.5	23.5	25.0	23.5	---	---
21	19.0	15.5	21.0	20.0	24.0	21.5	24.5	23.0	25.0	23.5	---	---
22	18.0	15.0	22.0	20.5	23.5	21.5	23.5	23.0	25.0	23.5	---	---
23	18.0	15.5	23.0	21.0	23.0	21.0	24.0	23.0	25.0	23.5	---	---
24	18.5	16.5	23.0	21.0	23.0	21.0	24.0	23.5	25.0	23.5	---	---
25	19.0	18.0	23.5	21.0	23.0	20.5	24.5	23.5	25.0	24.0	---	---
26	19.5	18.5	23.5	21.5	24.0	22.0	24.5	23.5	25.0	24.0	---	---
27	20.0	19.0	23.5	21.0	24.0	22.0	24.5	23.0	25.0	24.0	---	---
28	20.5	19.0	23.5	21.5	24.0	22.0	24.5	23.0	25.0	23.5	---	---
29	20.5	20.0	23.5	21.5	24.0	22.0	24.0	23.5	24.0	23.0	---	---
30	20.5	19.5	23.0	21.5	24.5	22.0	23.5	22.0	24.0	21.5	---	---
31	---	---	23.5	22.0	---	---	23.0	22.0	23.5	21.5	---	---
MONTH	20.5	12.0	23.5	17.0	24.5	20.5	25.5	21.5	25.0	21.5	---	---

02212950 Ocmulgee River above Macon, Ga.

LOCATION.--Lat 32°52'11", long 83°39'15", Bibb County, at Macon water works intake, 1.2 mi (1.9 km) north of Macon city limits, and at mile 201 (323 km).

DRAINAGE AREA.--2,240 mi² (5,800 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 26...	1300	--	7.3	28.0	7.6
AUG. 26...	1345	840	7.1	30.0	7.2

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY 26...	550	60	21	.43	<.02	.05
AUG. 26...	--	--	17	.45	<.02	.06

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 26...	16	79	30	13	.5	150	3.0
AUG. 26...	14	69	10	10	.6	230	5.0

ALTAMAHA RIVER BASIN

02212950 Ocmulgee River above Macon, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
FEB. 19...	1400	15800	6.7	13.0	10.0
MAY 07...	1230	3940	7.1	20.5	8.8
JUNE 05...	1400	3180	6.9	26.0	7.9
JULY 18...	1230	1920	7.0	26.5	7.7
AUG. 12...	1320	5570	7.3	26.5	7.8
SEP. 11...	1540	965	7.3	29.5	7.0

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
FEB. 19...	5300	220	9	.28	.04	.05	.18
MAY 07...	1300	90	13	.41	.04	.05	.10
JUNE 05...	1650	100	16	.45	.02	.03	.09
JULY 18...	1800	140	19	.47	.49	.63	.08
AUG. 12...	3000	250	17	.34	<.02	--	.13
SEP. 11...	360	<50	20	.43		.30	.08

DATE	HARD- NESS (CA+MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB. 19...	11	43	180	125	1.9	4300	7.0
MAY 07...	14	57	50	29	.8	2300	6.0
JUNE 05...	15	55	70	36	.6	36	3.0
JULY 18...	16	62	60	30	1.0	430	9.0
AUG. 12...	14	55	60	54	1.3	4300	4.0
SEP. 11...	18	74	30	5	.2	230	

02213000 Ocmulgee River at Macon, Ga.

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, at downstream end of center pier of Fifth Street Bridge in Macon, 1.5 mi (2.4 km) upstream from Walnut Creek, and at mile 198.0 (318.6 km).

DRAINAGE AREA.--2,240 mi² (5,800 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1893 to December 1911, January 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.
Chemical analyses: March 1968 to September 1973.

GAGE.--Water-stage recorder. Datum of gage is 269.80 ft (82.24 m) above mean sea level. Prior to Oct. 1, 1905, nonrecording gage at sites within 1.5 mi (2.4 km) downstream at about same datum. Oct. 9, 1905 to Dec. 31, 1913, nonrecording gage at present site and datum. Jan. 10, 1929 to June 25, 1934, water-stage recorder at site 500 ft (152 m) downstream at same datum. June 25, 1934 to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973 to Oct. 13, 1974, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--65 years (1893-1911, 1928-75), 2,736 ft³/s (77.5 m³/s), 16.59 in/yr (421.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 42,600 ft³/s (1,210 m³/s) Apr. 4, gage height, 25.64 ft (7.815 m); minimum daily, 490 ft³/s (13.9 m³/s) Oct. 5, 7.

Period of record: Maximum discharge, 83,500 ft³/s (2,360 m³/s) Nov. 29, 1948, gage height, 28.0 ft (8.53 m); maximum gage height, 29.45 ft (8.976 m), from floodmark, Mar. 4, 1971; minimum daily discharge, 128 ft³/s (3.62 m³/s) Oct. 24, 1954; minimum gage height observed, -1.0 ft (-0.305 m) Oct. 5, 1904.

Flood of Jan. 19, 1925, reached a stage of 26.0 ft (7.92 m), from floodmarks at Central of Georgia Railroad bridge, 500 ft (152 m) downstream, discharge, 72,500 ft³/s (2,050 m³/s).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Flow regulated by Lloyd Shoals Reservoir (see sta. 02210000).

REVISIONS (WATER YEARS).--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	610	2,290	4,460	4,320	5,480	5,200	3,060	3,630	1,840	6,380	1,700
2	765	605	2,830	3,920	3,890	5,130	6,290	3,060	10,000	1,690	6,800	1,900
3	565	610	2,510	2,850	3,640	4,800	31,500	4,750	8,280	1,700	6,290	2,100
4	515	620	2,120	2,750	5,150	4,800	39,700	8,720	3,920	2,050	3,610	2,100
5	490	630	1,540	2,660	6,270	4,730	15,300	8,030	2,970	1,580	3,040	2,000
6	540	665	1,390	2,750	8,320	4,660	9,740	5,270	2,730	1,450	3,030	1,700
7	490	680	1,820	2,400	10,800	4,640	6,750	3,820	2,650	1,290	4,100	1,300
8	540	655	1,850	2,670	6,930	4,840	5,830	4,580	4,710	2,650	4,600	1,100
9	590	620	1,870	3,130	6,600	3,510	5,680	4,740	4,420	2,380	3,900	980
10	540	645	1,780	2,930	5,360	1,920	6,120	4,960	3,280	1,680	3,100	920
11	515	650	1,040	9,800	4,700	4,030	6,320	4,930	2,700	1,930	3,200	915
12	570	675	805	9,550	5,060	5,230	5,790	4,640	9,190	2,810	5,000	975
13	530	715	795	12,800	6,250	8,310	5,130	3,330	12,500	3,150	3,600	2,040
14	545	695	1,280	11,100	5,410	29,200	9,920	2,150	7,560	2,380	2,500	1,480
15	540	715	1,050	8,830	4,340	32,400	14,000	4,300	4,840	2,230	1,900	1,010
16	600	705	2,460	5,460	3,680	28,300	9,340	5,560	4,270	3,350	1,800	1,690
17	660	720	3,150	4,920	12,200	21,400	6,940	7,960	3,000	3,130	1,900	2,180
18	620	805	2,510	4,520	14,700	13,500	6,040	9,440	2,620	2,690	2,000	2,600
19	630	915	2,420	3,580	14,900	15,200	5,610	8,150	2,110	2,410	1,800	3,130
20	570	930	3,100	3,170	15,800	14,500	5,350	5,090	2,440	2,330	1,500	2,910
21	540	1,080	4,980	2,820	11,800	13,000	5,120	3,430	3,680	1,700	1,400	2,460
22	550	1,740	3,220	2,890	7,860	9,490	3,620	3,110	3,260	2,650	1,200	2,890
23	605	1,120	1,920	3,580	8,530	6,240	2,680	2,940	2,470	2,550	1,200	3,580
24	610	1,210	4,070	3,860	12,200	6,030	2,920	2,070	2,240	2,010	1,300	3,840
25	575	715	7,970	7,530	13,200	8,740	2,870	2,680	2,250	2,500	1,500	2,620
26	585	1,150	6,830	6,920	12,300	11,200	3,090	2,140	2,050	2,430	1,600	1,710
27	580	1,210	5,410	6,870	7,860	8,890	2,770	3,260	1,980	3,150	1,500	2,530
28	580	680	3,600	5,350	6,050	5,870	2,970	1,780	2,360	3,040	1,400	2,460
29	600	670	2,930	4,670	-----	5,400	3,260	2,110	2,200	2,550	1,500	1,880
30	580	945	3,430	4,040	-----	5,530	3,320	2,560	1,910	3,400	1,700	1,640
31	615	-----	4,210	4,200	-----	6,090	-----	3,180	-----	6,490	1,600	-----
TOTAL	17,775	24,385	87,180	156,980	228,120	303,060	238,970	135,800	122,220	77,190	85,950	60,340
MEAN	573	813	2,812	5,064	8,147	9,776	7,966	4,381	4,074	2,490	2,773	2,011
MAX	765	1,740	7,970	12,800	15,800	32,400	39,700	9,440	12,500	6,490	6,800	3,840
MIN	490	605	795	2,400	3,640	1,920	2,480	1,780	1,910	1,290	1,200	915
(+)	+20	+108	+211	-172	+209	-16	0	+49	-50	0	+33	-400
CAL YR 1974	TOTAL	1,034,860	MEAN	2,835	MAX	27,400	MIN	490				
WTR YR 1975	TOTAL	1,537,970	MEAN	4,214	MAX	39,700	MIN	490				

PEAK DISCHARGE (BASE, 14,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-18	0100	19.35	17,000	3-15	1400	23.37	33,100
2-19	2300	19.45	17,300	4-4	0700	25.64	42,600
2-25	2000	18.27	14,000	4-15	0900	18.62	14,800

NOTE.--No gage-height record Oct. 1-13, Aug. 9 to Sept. 11.

+ Change in contents, equivalent in cubic feet per second, in Lloyd Shoals Reservoir; furnished by Georgia Power Company.

02213050 Walnut Creek near Gray, Ga.

LOCATION.--Lat 32°58'20", long 83°37'08", Jones County, on downstream side of right bank pier of abandoned bridge, 500 ft (152 m) downstream from bridge on State Highway 18, 1.4 mi (2.3 km) upstream from Bonner Creek, and 5.5 mi (8.8 km) southeast of Gray.

DRAINAGE AREA.--29 mi² (75 km²), approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 390 ft (119 m), approximately.

AVERAGE DISCHARGE.--14 years, 36.2 ft³/s (1.03 m³/s), 16.95 in/yr (430.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,570 ft³/s (129 m³/s) Apr. 3, gage height, 11.46 ft (3.493 m); minimum, 3.9 ft³/s (110 l/s) Oct. 31, Nov. 5.

Period of record: Maximum discharge, 15,500 ft³/s (439 m³/s) Dec. 26, 1964, gage height, 23.8 ft (7.25 m), from floodmark, from rating curve extended above 5,000 ft³/s (142 m³/s), on basis of contracted-opening measurement of peak flow; minimum, 0.48 ft³/s (13.6 l/s) Oct. 4, 5, 6, 1968.

Zero flow was observed during June, July, and August 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	4.3	8.0	27	28	43	44	22	86	13	81	8.0
2	5.4	4.3	12	23	27	37	205	21	46	14	39	8.0
3	5.1	5.6	8.4	20	33	32	1,490	227	25	13	24	7.5
4	5.3	4.3	7.6	31	66	30	125	91	19	13	18	7.5
5	5.5	5.1	7.0	26	56	29	72	43	17	12	23	7.5
6	5.1	7.6	6.6	21	44	27	55	33	16	11	33	8.5
7	5.0	5.5	9.0	19	36	31	47	39	18	18	35	13
8	4.9	5.0	14	27	31	47	43	38	29	17	20	9.0
9	5.0	5.0	12	27	29	29	48	32	140	22	17	8.1
10	5.0	5.1	10	32	27	28	71	34	107	15	15	8.0
11	4.9	4.8	4.4	746	26	34	59	28	84	21	17	7.5
12	4.3	7.0	4.0	704	71	44	45	24	275	16	15	7.5
13	4.2	5.6	8.8	224	46	100	42	22	118	14	13	7.5
14	4.2	4.9	8.6	80	35	1,060	716	53	51	13	12	7.0
15	4.3	5.2	25	55	31	123	237	95	84	13	12	6.5
16	7.5	5.3	6.0	43	34	302	87	114	52	23	12	6.6
17	7.7	5.6	3.0	35	804	149	65	87	35	35	12	12
18	5.2	12	14	31	171	253	55	47	28	21	11	13
19	4.6	7.2	4.1	28	381	269	49	35	23	16	10	9.5
20	5.1	14	161	28	108	102	44	28	23	15	9.5	8.5
21	4.7	10	9.0	24	68	77	39	23	24	16	9.0	12
22	4.3	6.7	4.0	22	118	66	36	21	21	15	9.0	10
23	4.5	6.6	24	28	132	60	33	19	17	17	8.9	24
24	4.3	6.3	214	90	396	104	29	17	16	15	8.5	24
25	4.3	6.6	94	321	104	95	27	16	17	14	8.4	11
26	4.3	6.5	54	96	67	64	25	15	18	14	9.2	9.9
27	4.3	6.3	37	57	54	56	24	14	17	13	15	9.4
28	4.4	6.8	32	45	48	53	23	18	16	13	9.9	9.0
29	4.6	27	4.1	39	-----	51	23	25	15	29	9.3	8.5
30	4.3	19	4.2	34	-----	52	26	20	15	80	8.9	8.5
31	4.2	-----	32	31	-----	47	-----	32	-----	99	8.5	-----
TOTAL	153.3	225.2	1,160.4	3,014	3,071	3,494	3,984	1,333	1,452	660	533.1	297.0
MEAN	4.95	7.51	37.7	97.2	110	113	129	43.0	48.4	21.3	17.2	9.90
MAX	7.7	27	216	746	804	1,060	1,490	227	275	99	81	24
MIN	4.2	4.3	4.6	19	26	27	23	14	15	11	8.4	6.5
CFSM	4.17	4.26	1.30	3.35	3.79	3.90	4.45	1.48	1.67	0.73	0.59	0.34
IN.	4.20	4.29	1.50	3.87	3.94	4.48	4.98	1.71	1.86	0.85	0.68	0.38
TOTAL YR 1974	TOTAL	11,095.0	MEAN	30.4	MAX	800	MIN	3.2	CFSM	1.05	IN	14.23
YR 1975	TOTAL	19,286.0	MEAN	52.8	MAX	1,490	MIN	4.2	CFSM	1.82	IN	24.74

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-11	0345	6.50	1,950	4-3	0515	11.46	4,570
2-17	1230	5.45	1,650	4-14	1230	4.56	1,230
3-14	0315	8.99	2,940				

02213500 Tobesofkee Creek near Macon, Ga.

LOCATION.--Lat 32°48'32", long 83°45'30", Bibb County, on right bank at downstream end of pier of bridge on U.S. Highway 80, 8 mi (13 km) west of Macon, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--Discharge: March 1937 to current year.
Chemical analyses: October 1968 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 309.98 ft (94.48 m) above mean sea level. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 199 ft³/s (5.64 m³/s), 14.85 in/yr (377.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,690 ft³/s (161 m³/s) Apr. 3, gage height, 17.98 ft (5.480 m); minimum daily, 29 ft³/s (.82 m³/s) Apr. 1.

Period of record: Maximum discharge, 9,830 ft³/s (278 m³/s) Mar. 21, 1944, gage height, 23.2 ft (7.07 m), from rating curve extended above 6,300 ft³/s (178 m³/s); minimum, 2.3 ft³/s (65 l/s) Oct. 10, 1954.

REMARKS.--Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee, about 1 mi (1.6 km) upstream.

REVISIONS (WATER YEARS).--WSP 1204: 1942.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	36	174	196	190	178	29	247	271	122	495	58
2	46	36	174	152	191	177	184	241	287	128	335	59
3	46	37	128	121	208	177	4,900	462	250	123	227	60
4	44	37	106	190	363	175	2,650	717	223	116	176	61
5	41	38	95	185	295	174	989	419	164	112	173	60
6	38	39	91	167	1,250	175	695	273	140	112	171	62
7	37	39	88	147	1,660	175	573	229	130	116	187	66
8	36	39	90	246	520	322	458	340	108	123	218	62
9	36	39	99	301	48	459	361	304	114	130	186	64
10	36	41	103	297	46	243	310	265	481	137	193	65
11	36	41	99	2,420	162	166	315	367	387	551	203	66
12	35	40	95	1,540	127	527	319	308	876	217	189	68
13	35	39	95	1,410	326	857	310	250	503	120	180	72
14	35	37	95	535	275	2,410	2,160	223	296	110	168	72
15	34	37	120	342	199	3,180	2,570	761	222	106	149	68
16	35	39	448	280	196	1,880	1,040	588	212	110	122	65
17	36	37	196	245	1,090	1,690	626	660	186	122	105	62
18	36	38	123	205	2,000	958	486	452	149	450	100	61
19	37	42	196	193	2,020	1,430	454	326	145	258	96	64
20	37	51	726	202	1,990	1,320	365	298	134	147	92	70
21	36	73	510	196	1,460	817	279	268	180	131	88	77
22	36	70	242	185	597	385	238	241	188	130	80	81
23	35	64	187	188	1,010	210	217	217	152	128	74	93
24	35	63	892	614	1,300	274	212	193	142	129	68	118
25	34	60	1,060	1,350	1,470	1,030	208	164	139	133	61	99
26	34	58	341	622	905	915	207	147	136	138	59	88
27	34	59	286	352	611	242	205	142	133	136	56	77
28	34	59	220	288	445	80	203	140	128	135	56	72
29	34	57	198	247	-----	78	218	140	125	133	56	70
30	35	58	238	213	-----	61	248	235	122	135	56	70
31	35	-----	220	181	-----	31	-----	287	-----	531	57	-----
TOTAL	1,143	1,403	7,735	13,810	20,954	20,796	22,029	9,904	6,723	5,269	4,476	2,130
MEAN	36.9	46.8	250	445	748	671	734	319	224	170	144	71.0
MAX	46	73	1,060	2,420	2,020	3,180	4,900	761	876	551	495	118
MIN	34	36	88	121	46	31	29	140	108	106	56	58
CFSM	.20	.26	1.37	2.45	4.11	3.69	4.03	1.75	1.23	.93	.79	.39
IN.	.23	.29	1.58	2.82	4.28	4.25	4.50	2.02	1.37	1.08	.91	.44
CAL YR 1974	TOTAL	74,826	MEAN	205	MAX	3,340	MIN	34	CFSM	1.13	IN	15.29
WTR YR 1975	TOTAL	116,372	MEAN	319	MAX	4,900	MIN	29	CFSM	1.75	IN	23.79

ALTAMAHA RIVER BASIN

02213700 Ocmulgee River near Warner Robins, Ga.

LOCATION.--Lat 32°40'17", long 83°36'11", Bibb County, on right bank 0.8 mi (1.3 km) upstream from Echeconnee Creek, 4 mi (6.5 km) northeast of Warner Robins, and 5.7 mi (9.2 km) downstream from Tobesofkee Creek.

DRAINAGE AREA.--2,690 mi² (6,970 km²).

PERIOD OF RECORD.--Chemical analyses: May 1970 to current year.
Water temperature: February 1970 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DTS- SOLVED OXYGEN (MG/L)
FEB. 19...	1200	--	6.6	14.0	8.0
MAY 07...	1130	--	6.3	20.6	7.2
JUNE 05...	1300	--	6.4	25.0	6.1
JULY 18...	1115	3600	6.8	25.2	5.7
AUG. 12...	1230	--	6.2	25.5	6.6
SEP. 11...	1400	1240	6.3	28.5	5.3

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG)
FEB. 19...	9	.19	.03	.04	.13	11
MAY 07...	14	.19	<.02	--	.06	14
JUNE 05...	19	.37	.25	.32	.13	16
JULY 18...	20	.41	.02	.03	.29	16
AUG. 12...	20	.44	.03	.04	.19	18
SEP. 11...	26	.50	.45	.58	.18	21

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB. 19...	46	160	78	2.0	9300	7.0
MAY 07...	66	60	25	1.5	7500	8.0
JUNE 05...	65	80	36	1.2	91	7.0
JULY 18...	65	80	88	1.9	230000	8.0
AUG. 12...	66	90	80	1.1	2900	5.0
SEP. 11...	100	45	13	1.0	43000	9.0

02213700 Ocmulgee River near Warner Robins, Ga.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	125	118	127	109	110	102	76	74	---	---	54	49
2	126	116	125	109	---	---	75	73	---	---	58	50
3	124	118	120	106	---	---	78	68	---	---	63	51
4	127	115	113	107	107	99	86	79	72	59	54	50
5	128	121	114	108	104	100	95	79	69	57	53	45
6	128	120	122	110	105	96	86	70	59	53	51	43
7	129	123	127	119	110	103	72	66	67	51	47	42
8	131	122	135	117	120	102	73	69	65	49	51	42
9	139	134	135	125	122	102	73	66	64	48	54	45
10	140	132	134	117	104	79	70	61	59	50	51	46
11	145	128	132	118	104	88	71	65	61	42	65	50
12	140	126	130	110	103	99	72	65	56	38	60	49
13	139	127	---	---	118	99	70	68	60	39	62	52
14	138	125	132	111	117	85	76	66	52	42	63	49
15	135	124	123	112	91	85	72	63	50	37	54	34
16	136	121	119	113	86	71	69	60	48	38	40	36
17	133	126	119	109	81	70	66	55	59	45	40	35
18	130	124	117	109	85	72	65	54	53	42	38	35
19	129	120	117	110	80	72	66	57	50	43	40	37
20	126	120	122	107	81	71	65	58	51	49	42	36
21	155	122	119	104	70	65	63	58	52	47	42	36
22	160	131	108	102	72	69	59	55	49	47	43	39
23	149	129	113	101	71	66	62	55	49	47	46	42
24	139	120	113	101	71	65	62	55	53	47	51	47
25	138	116	119	102	77	69	62	54	51	43	55	51
26	133	114	128	100	74	70	---	---	48	43	55	44
27	138	120	114	104	73	70	---	---	48	44	50	43
28	120	114	115	105	77	71	69	50	50	46	52	45
29	128	116	115	110	75	70	68	49	---	---	57	51
30	132	115	115	105	78	75	65	49	---	---	60	52
31	128	111	---	---	78	75	68	47	---	---	62	53
MONTH	160	111	135	100	122	65	95	47	72	37	65	34
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	60	54	66	60	63	55	---	---	73	64	73	51
2	57	54	72	60	59	51	---	---	74	65	60	49
3	64	51	71	60	64	59	85	75	67	59	62	47
4	58	37	---	---	63	60	74	69	60	57	69	48
5	41	33	---	---	66	59	75	66	62	58	77	56
6	44	37	63	55	67	60	81	70	63	61	82	61
7	50	46	73	61	72	65	82	72	64	62	99	70
8	51	48	77	73	64	61	83	71	67	64	99	91
9	50	47	72	67	66	61	81	71	66	63	102	93
10	52	48	67	61	68	61	74	71	67	65	97	90
11	53	50	68	56	92	61	75	70	68	67	101	92
12	54	50	56	51	91	62	74	70	69	66	103	99
13	60	52	75	50	62	58	---	---	70	67	108	75
14	61	54	91	75	60	55	---	---	70	68	99	79
15	59	45	97	83	66	62	84	75	85	68	98	90
16	46	42	81	76	67	62	76	74	96	72	109	87
17	55	47	75	71	63	60	---	---	85	71	89	76
18	59	56	71	57	67	59	---	---	91	72	93	68
19	64	56	56	51	65	62	---	---	86	71	72	63
20	65	60	61	55	64	60	---	---	100	71	66	64
21	69	57	62	57	61	55	88	74	109	100	69	66
22	63	58	70	59	62	55	84	73	110	93	70	68
23	66	60	70	63	65	55	85	73	125	107	70	67
24	67	60	67	58	69	60	86	74	108	100	67	79
25	69	59	64	52	72	61	84	71	105	84	64	57
26	72	57	64	54	---	---	81	70	85	68	63	58
27	72	57	65	54	---	---	78	70	80	68	62	58
28	70	55	64	56	---	---	80	66	83	69	63	58
29	71	55	69	59	---	---	85	66	78	68	64	60
30	73	60	67	57	---	---	81	59	84	52	66	63
31	---	---	64	55	---	---	68	57	70	51	---	---
MONTH	73	33	97	50	92	51	---	---	125	51	109	47

02213700 Ocmulgee River near Warner Robins, Ga.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.6	6.4	7.0	6.5	7.1	6.7	6.8	6.5	---	---	6.9	6.7
2	6.8	6.6	6.8	6.5	6.9	6.8	6.6	6.5	---	---	6.8	6.7
3	6.9	6.6	7.0	6.6	6.9	6.8	6.8	6.6	---	---	6.8	6.7
4	6.9	6.6	6.9	6.7	6.8	6.7	---	---	---	---	6.8	6.7
5	6.9	6.6	7.2	6.9	6.8	6.7	---	---	---	---	7.0	6.8
6	6.9	6.7	7.1	6.8	6.9	6.7	---	---	---	---	7.0	6.7
7	7.0	6.6	6.8	6.5	6.9	6.8	---	---	---	---	6.9	6.8
8	6.9	6.7	6.6	6.5	6.8	6.8	---	---	---	---	6.8	6.7
9	6.9	6.6	6.7	6.5	6.8	6.6	---	---	---	---	6.8	6.7
10	6.8	6.6	6.6	6.5	6.7	6.6	---	---	---	---	6.7	6.6
11	6.7	6.6	7.1	6.5	6.8	6.7	---	---	6.8	5.8	7.2	6.7
12	6.7	6.5	7.0	6.8	7.0	6.8	---	---	6.9	5.6	7.1	6.6
13	6.8	6.5	7.1	6.9	7.0	6.8	7.1	6.4	6.4	5.1	6.9	6.6
14	6.9	6.6	7.1	6.9	7.1	6.8	6.6	6.5	6.4	5.0	6.7	6.6
15	6.9	6.6	6.9	6.8	7.1	6.9	7.0	6.5	6.4	5.8	6.5	6.4
16	6.8	6.5	7.0	6.8	7.0	6.7	7.1	6.7	6.4	5.2	6.5	6.4
17	6.7	6.6	7.0	6.8	6.8	6.6	7.2	6.6	6.4	5.1	6.6	6.4
18	6.7	6.5	7.1	6.8	6.8	6.5	---	---	6.5	5.8	6.5	6.4
19	6.8	6.6	7.0	6.7	7.2	6.6	---	---	6.6	5.9	6.5	6.3
20	6.8	6.6	6.8	6.6	---	---	---	---	6.7	5.6	6.5	6.3
21	6.8	6.6	6.8	6.7	6.9	6.4	---	---	6.6	5.6	6.6	6.3
22	6.9	6.6	6.8	6.7	6.7	6.4	---	---	6.7	5.6	6.6	6.4
23	6.7	6.6	6.8	6.7	7.1	6.5	---	---	6.9	5.7	6.5	6.2
24	6.7	6.6	7.3	6.5	---	---	---	---	6.7	5.6	6.5	6.3
25	6.9	6.6	7.1	6.5	---	---	---	---	6.7	5.6	6.6	6.5
26	6.8	6.6	6.8	6.5	6.6	6.2	---	---	6.8	5.6	6.6	6.5
27	7.1	6.6	7.0	6.8	6.6	6.1	---	---	6.8	5.6	6.8	6.5
28	6.9	6.6	6.9	6.8	6.9	6.3	---	---	6.8	5.6	6.7	6.5
29	7.2	6.6	7.0	6.7	---	---	---	---	---	---	6.6	6.4
30	7.0	6.5	7.0	6.9	---	---	---	---	---	---	6.4	6.4
31	6.9	6.6	---	---	---	---	---	---	---	---	6.6	6.4
MONTH	7.2	6.4	7.3	6.5	7.2	6.1	---	---	---	---	7.2	6.2

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.6	6.4	6.6	6.5	6.4	6.2	---	---	6.6	6.4	6.3	6.2
2	6.5	6.5	6.6	6.3	6.5	6.2	---	---	6.5	6.4	6.4	6.2
3	6.4	6.1	6.6	6.4	6.4	6.2	6.4	6.0	6.5	6.4	6.6	6.2
4	6.3	6.0	---	---	6.4	6.2	6.3	6.0	6.6	6.4	6.4	6.1
5	6.5	6.3	---	---	6.4	6.3	6.3	6.0	6.5	6.3	6.5	6.2
6	6.6	6.4	6.5	6.1	6.5	6.4	6.3	6.0	6.6	6.5	6.5	6.3
7	6.6	6.5	6.4	6.2	6.5	6.4	6.3	6.1	6.6	6.5	6.5	6.2
8	6.7	6.5	6.5	6.3	6.5	6.5	6.3	6.0	6.6	6.5	6.3	6.1
9	6.7	6.5	6.5	6.3	6.6	6.5	6.3	6.2	6.6	6.4	6.3	6.1
10	6.4	6.3	6.5	6.3	6.6	6.2	6.3	6.1	6.5	6.4	6.3	6.2
11	6.5	6.3	6.6	6.3	6.4	6.2	6.3	6.2	6.5	6.0	6.4	6.3
12	6.6	6.5	6.4	6.3	6.6	6.4	6.3	6.1	6.3	6.0	6.5	6.3
13	6.7	6.6	6.4	6.3	6.5	6.4	6.2	6.0	6.2	6.1	6.5	6.3
14	6.7	6.6	6.3	6.0	6.4	6.2	6.3	6.1	6.2	6.1	6.6	6.4
15	6.7	6.6	6.3	6.2	6.4	6.3	6.2	6.0	6.4	6.0	6.6	6.5
16	6.7	6.5	6.3	6.2	6.4	6.2	6.2	6.2	6.2	6.0	6.5	6.4
17	6.7	6.5	6.4	6.1	6.4	6.2	6.3	6.1	6.3	6.1	6.5	6.4
18	6.7	6.4	6.4	6.0	6.3	6.0	6.2	6.4	6.3	6.2	6.5	6.4
19	6.7	6.4	6.4	6.0	6.4	6.2	6.2	6.1	6.3	6.2	6.5	6.4
20	6.6	6.5	6.3	6.0	6.4	6.3	6.3	6.2	6.3	6.1	6.5	6.4
21	6.7	6.5	6.3	6.4	6.5	6.3	6.3	6.2	6.3	6.1	6.5	6.4
22	6.8	6.6	6.4	6.4	6.5	6.5	6.4	6.3	6.4	6.1	6.5	6.4
23	6.7	6.5	6.4	6.0	6.5	6.4	6.4	6.0	6.4	6.0	6.6	6.4
24	6.6	6.3	6.4	6.0	6.5	6.3	6.3	6.1	6.3	6.1	6.6	6.4
25	6.5	6.3	6.4	6.0	6.6	6.5	6.4	6.2	6.3	6.1	6.5	6.4
26	6.7	6.4	6.4	6.1	---	---	6.4	6.3	6.4	6.2	6.5	6.3
27	6.7	6.5	6.4	6.2	---	---	6.5	6.2	6.6	6.0	6.5	6.3
28	6.6	6.5	6.4	6.2	---	---	6.5	6.3	6.4	6.2	6.6	6.3
29	6.7	6.5	6.4	6.3	---	---	6.5	6.3	6.3	6.2	6.5	6.4
30	6.7	6.5	6.4	6.2	---	---	6.5	6.4	6.4	6.2	6.5	6.4
31	---	---	6.4	6.3	---	---	6.5	6.4	6.5	6.0	---	---
MONTH	6.6	6.0	6.6	6.4	6.6	6.0	6.5	6.4	6.6	6.0	6.6	6.1

02213700 Ocmulgee River near Warner Robins, Ga.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITRE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.2	1.5	2.0	1.5	7.1	5.2	8.3	7.7	8.8	7.0	7.9	7.5
2	2.0	1.0	2.1	1.8	8.3	7.5	8.8	8.2	9.4	8.2	7.7	7.3
3	2.4	1.7	2.0	1.7	9.0	8.3	9.0	8.6	9.7	8.6	7.7	7.3
4	2.5	1.0	2.0	1.7	9.4	8.8	8.7	7.8	10.4	9.4	8.6	7.8
5	2.1	1.5	1.9	1.7	9.7	8.9	8.5	7.8	11.0	9.7	8.8	8.5
6	1.8	1.1	1.9	1.8	9.6	8.4	8.5	7.6	11.1	10.0	9.3	8.8
7	1.7	1.3	2.1	1.8	9.5	8.2	8.8	8.3	10.3	9.8	9.6	9.2
8	1.5	1.3	2.5	2.1	8.6	8.1	8.5	8.0	10.7	10.1	9.7	9.5
9	1.9	1.3	2.5	2.2	8.4	8.1	8.5	7.9	10.8	10.2	10.1	9.7
10	1.9	1.1	2.8	2.3	8.9	8.6	8.5	7.7	10.6	10.1	10.3	9.3
11	2.2	1.1	2.8	2.4	9.9	8.0	8.0	7.0	10.5	9.5	9.8	8.9
12	2.0	1.4	3.0	2.4	10.2	7.3	7.4	7.0	10.3	9.5	9.5	8.3
13	1.5	0.8	2.7	2.4	8.2	6.3	7.9	7.2	10.1	8.3	9.1	7.3
14	1.2	0.8	3.4	2.8	8.4	6.3	8.8	7.8	9.1	7.6	7.6	6.1
15	1.2	0.7	3.4	3.0	8.4	7.2	9.3	8.9	8.4	7.7	7.1	6.4
16	1.3	0.8	3.9	3.6	8.5	7.2	9.6	9.1	8.3	6.7	7.5	7.3
17	2.1	1.2	4.2	4.1	9.6	8.5	9.9	9.2	7.3	6.5	7.7	7.3
18	1.7	1.1	4.5	4.2	10.7	9.6	10.1	9.3	7.4	6.6	8.2	7.5
19	1.2	0.6	4.7	4.4	10.8	10.3	10.0	9.2	8.3	7.6	8.9	8.3
20	1.5	0.8	5.2	4.7	10.7	9.2	9.5	8.1	8.4	8.0	9.4	9.0
21	1.8	1.1	5.2	5.0	9.9	8.4	9.3	8.4	8.9	8.6	9.9	9.1
22	2.1	1.8	5.5	5.1	8.4	7.6	9.3	8.4	8.9	8.2	10.0	8.6
23	2.2	1.8	5.7	5.4	8.2	7.0	9.4	8.8	8.6	7.7	9.6	8.7
24	2.5	2.2	5.9	5.7	8.1	6.9	9.7	8.9	8.0	6.7	10.5	9.2
25	2.5	1.8	6.1	5.7	8.2	7.7	9.1	8.7	7.5	6.9	10.1	9.1
26	1.9	1.6	6.7	5.6	7.8	7.3	9.0	8.8	7.8	7.0	9.9	9.7
27	1.9	1.5	6.8	5.9	8.1	7.4	9.4	9.0	7.5	7.0	10.2	10.0
28	2.0	1.6	6.9	5.3	7.9	7.5	9.9	9.0	7.9	7.4	10.3	9.6
29	1.9	1.4	6.2	5.4	7.5	6.8	10.0	8.2	---	---	9.9	9.1
30	1.9	1.5	6.1	5.2	7.7	6.7	8.7	7.7	---	---	10.0	9.3
31	2.0	1.4	---	---	7.8	7.5	8.4	6.5	---	---	9.4	9.2
MONTH	2.5	0.6	6.9	1.5	10.8	5.2	10.1	6.5	11.1	6.5	10.5	6.1
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.3	8.9	8.5	8.4	5.9	4.5	---	---	6.9	6.4	5.4	4.8
2	9.2	8.6	8.6	8.4	6.2	5.5	---	---	6.5	6.2	5.7	5.2
3	8.7	8.1	7.3	6.5	6.7	6.3	6.3	6.0	6.4	6.2	5.5	4.9
4	9.1	8.3	---	---	6.6	6.0	6.8	6.0	6.2	5.8	6.4	5.2
5	9.3	8.6	---	---	6.7	6.1	6.9	5.9	6.1	5.4	6.5	5.9
6	10.4	10.1	7.3	6.8	6.7	6.0	6.1	5.4	6.1	5.3	6.4	5.8
7	10.4	10.3	7.5	6.8	6.8	6.0	5.9	5.5	6.2	5.8	6.4	4.9
8	10.3	9.3	6.8	6.5	6.3	4.4	5.5	5.3	6.4	5.8	5.4	5.2
9	9.9	7.0	6.7	4.3	5.2	4.6	6.6	6.0	6.5	6.2	5.5	5.0
10	9.0	7.5	6.4	4.6	5.7	4.9	5.7	5.7	6.4	6.0	5.3	5.0
11	7.4	5.7	5.7	4.4	5.9	4.4	6.4	5.9	6.4	5.5	5.5	5.2
12	5.8	5.2	5.9	3.5	5.5	4.5	6.7	6.1	6.6	6.3	5.6	5.1
13	5.9	5.7	5.4	5.4	5.3	5.0	6.8	6.1	6.6	6.2	6.6	5.3
14	5.4	5.2	5.7	5.7	5.2	5.2	5.7	5.2	6.4	5.8	6.8	6.2
15	5.4	5.6	5.4	5.4	5.3	5.0	6.4	6.0	6.3	5.1	7.0	6.5
16	7.5	7.2	6.0	3.0	5.9	5.0	5.9	5.3	5.5	4.8	6.9	5.6
17	7.5	7.5	6.3	3.1	6.3	5.4	5.5	5.3	6.1	5.1	7.2	6.7
18	7.5	7.3	6.7	3.8	6.3	5.7	6.2	5.1	5.7	5.1	7.1	6.2
19	7.8	6.1	7.3	4.9	6.2	5.0	6.0	5.3	6.0	5.3	6.8	6.4
20	6.7	5.0	7.3	6.9	5.6	4.9	7.7	5.1	6.0	4.8	6.7	6.5
21	6.7	6.2	7.1	6.5	5.5	4.7	5.4	4.4	5.3	4.6	6.7	6.0
22	7.0	6.5	6.8	5.1	5.1	4.7	5.5	4.5	5.4	4.5	6.5	5.9
23	7.1	6.5	6.3	4.5	4.7	4.1	5.4	4.1	5.4	4.0	7.0	6.5
24	6.9	6.7	6.3	3.7	5.0	4.5	6.1	5.2	4.5	3.9	7.4	6.8
25	---	---	6.3	3.0	5.4	4.9	5.1	5.3	4.5	4.1	7.8	7.4
26	---	---	6.5	2.6	---	---	5.4	5.5	5.0	4.4	7.5	6.4
27	---	---	6.3	2.5	---	---	5.3	5.4	5.5	3.6	7.8	6.5
28	7.5	6.5	6.7	3.2	---	---	6.5	6.0	4.9	4.2	8.0	7.4
29	6.1	5.5	6.3	3.0	---	---	6.6	5.1	5.8	4.5	8.0	7.1
30	7.4	6.9	6.9	3.3	---	---	7.8	5.1	5.7	4.4	7.4	6.4
31	---	---	6.7	2.2	---	---	7.0	6.4	5.4	---	---	---
MONTH	11.4	5.2	7.5	2.5	6.7	4.1	7.0	4.5	6.9	3.6	8.0	4.8

ALTAMAHA RIVER BASIN

02213700 Ocmulgee River near Warner Robins, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	23.5	22.5	18.0	17.5	11.5	10.5	10.5	10.0	11.5	11.0	13.0	12.5
2	23.0	22.5	18.0	17.5	11.0	10.5	10.5	10.0	11.0	11.0	13.0	12.5
3	22.5	22.0	18.0	17.5	10.5	10.0	10.5	10.0	11.5	11.0	12.5	12.0
4	22.0	21.5	18.0	17.5	10.0	10.0	10.5	10.0	11.0	10.0	12.5	11.5
5	21.5	21.0	18.0	17.5	10.0	10.0	10.5	10.0	10.5	10.0	12.0	11.0
6	21.0	21.0	18.0	17.5	10.0	9.5	10.5	10.0	10.5	10.0	12.0	11.5
7	21.0	21.0	18.0	17.0	9.5	9.0	10.5	10.0	11.0	9.0	12.0	11.5
8	21.5	21.0	17.5	17.0	9.5	9.5	10.5	10.0	9.5	8.5	12.5	12.0
9	21.5	21.5	17.5	17.0	9.5	9.0	10.5	10.0	9.5	8.5	12.0	11.5
10	21.5	21.0	17.5	17.0	9.0	8.5	10.5	10.0	9.5	8.5	11.5	11.5
11	21.5	21.0	17.5	17.0	9.0	9.0	11.0	10.0	9.5	8.5	12.0	11.0
12	21.0	21.0	17.5	17.0	9.0	9.0	11.5	11.0	10.5	9.0	12.0	12.0
13	21.0	20.5	17.5	16.5	9.5	9.0	11.0	10.5	11.0	10.5	12.5	12.0
14	20.5	20.5	16.5	16.0	9.5	9.0	11.0	10.0	11.5	11.0	13.5	12.5
15	20.5	20.5	16.5	15.0	9.5	9.0	10.5	9.0	12.0	11.0	13.5	12.5
16	20.5	20.5	14.5	14.0	9.5	9.0	10.5	9.0	12.0	11.5	12.5	12.5
17	20.5	19.5	14.0	13.0	9.5	9.0	10.0	8.5	13.0	12.5	12.5	12.5
18	19.5	19.0	14.0	13.5	9.5	9.0	8.5	8.0	14.0	13.5	13.0	12.5
19	19.0	19.0	14.0	13.5	9.5	9.0	9.0	8.5	14.0	14.0	13.0	12.5
20	19.0	18.0	14.0	13.5	9.0	9.0	9.0	8.5	14.0	13.5	13.0	12.5
21	18.0	17.5	14.0	13.0	9.0	9.0	9.0	8.5	13.5	13.0	13.5	13.0
22	17.5	17.0	13.5	13.0	9.5	9.0	9.5	8.5	13.5	13.0	13.5	13.5
23	17.0	16.5	13.0	12.5	9.5	8.5	9.5	8.5	13.5	13.0	13.5	13.5
24	17.0	16.5	13.0	12.0	9.5	9.0	9.5	8.5	14.0	13.5	14.0	13.5
25	16.5	16.5	12.5	12.0	9.5	9.5	10.5	10.0	14.0	13.0	14.5	14.0
26	17.0	16.5	12.5	12.0	10.0	9.5	10.5	10.0	13.0	12.5	14.5	14.0
27	17.0	17.0	12.0	12.0	10.0	9.0	10.5	10.0	13.0	12.5	14.0	14.0
28	17.5	17.0	11.5	11.5	10.0	9.5	10.5	10.0	13.0	12.5	14.5	14.0
29	17.5	17.0	11.5	11.0	10.0	9.5	10.5	10.0	---	---	15.0	14.5
30	17.5	17.5	11.0	11.0	10.0	9.5	11.0	10.5	---	---	15.0	14.5
31	18.0	17.5	---	---	10.0	9.5	11.0	10.5	---	---	15.0	14.5
MONTH	23.5	16.5	18.0	11.0	11.5	8.5	11.5	8.0	14.0	8.5	15.0	11.0
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	14.5	20.0	19.5	24.0	24.0	---	---	25.5	25.5	28.5	27.5
2	15.0	14.5	20.0	19.5	24.0	23.0	---	---	26.0	25.0	28.0	28.0
3	15.5	15.0	20.5	20.0	24.5	23.5	27.0	26.5	26.0	26.0	28.5	28.0
4	15.5	15.0	---	---	24.5	24.0	27.0	26.5	26.5	26.0	28.5	28.0
5	15.0	14.5	---	---	24.5	24.0	27.0	26.5	27.0	25.0	28.5	28.0
6	15.0	14.5	20.5	19.5	25.0	24.5	27.5	27.0	27.0	26.5	28.5	28.0
7	15.0	14.5	20.5	19.5	25.5	25.0	27.0	26.5	26.5	25.5	28.5	27.0
8	15.0	14.5	21.0	20.0	25.5	25.0	27.5	26.5	25.5	25.5	27.5	27.0
9	15.5	15.0	20.5	20.5	25.0	24.5	27.0	26.5	25.5	25.5	28.0	27.5
10	15.5	15.0	21.0	20.5	25.0	24.0	27.0	26.0	26.0	25.5	28.5	28.0
11	15.5	15.0	21.5	20.5	25.5	24.5	27.5	27.0	26.0	25.5	28.5	28.5
12	16.0	15.5	21.5	20.5	26.0	24.5	27.0	26.0	26.0	25.0	28.5	28.0
13	16.5	16.0	21.5	21.0	24.5	24.0	26.0	25.5	26.0	25.0	28.0	27.5
14	16.5	16.0	22.5	21.0	24.5	24.0	26.0	26.0	27.0	26.0	27.0	25.5
15	16.0	15.5	22.5	22.5	25.0	24.5	26.5	26.0	27.0	26.5	26.0	25.0
16	16.5	16.0	22.5	21.5	24.5	24.0	27.5	26.5	27.5	27.0	25.0	24.5
17	16.5	16.0	22.0	21.5	24.5	24.0	26.5	25.5	28.0	27.5	25.0	24.5
18	17.0	16.5	22.0	21.5	25.5	24.5	26.0	25.0	28.0	28.0	25.0	24.5
19	18.0	17.5	22.5	22.0	26.5	25.5	26.5	25.5	28.0	28.0	26.0	25.0
20	18.0	17.5	22.5	22.0	26.5	26.0	27.5	26.5	28.0	28.0	25.5	25.0
21	18.5	18.0	23.5	22.5	26.0	25.0	27.0	26.5	28.5	28.0	25.5	25.0
22	18.5	17.5	23.5	23.0	25.5	25.0	27.0	26.5	28.5	28.5	25.5	25.5
23	18.5	18.0	24.0	23.5	25.5	25.0	27.0	26.5	29.0	28.5	25.0	25.0
24	19.0	18.5	24.0	23.5	25.5	25.0	27.5	26.5	29.0	28.5	25.0	24.0
25	19.0	19.0	25.0	24.0	26.0	25.0	27.5	27.0	29.5	29.0	24.0	23.0
26	19.5	19.0	25.0	24.5	---	---	27.5	27.0	29.5	29.0	23.0	23.0
27	20.0	19.0	25.0	24.5	---	---	27.0	26.5	29.5	29.0	23.5	23.0
28	20.0	20.0	24.5	24.0	---	---	27.5	27.0	29.0	28.5	23.5	23.0
29	20.0	20.0	24.5	24.0	---	---	27.5	27.0	28.5	28.0	23.5	23.0
30	20.0	19.5	24.5	24.5	---	---	27.0	26.0	28.0	27.5	23.5	23.5
31	---	---	24.5	23.5	---	---	26.5	25.5	27.5	27.5	---	---
MONTH	20.0	14.5	25.0	19.5	26.5	23.0	27.5	25.0	29.5	25.0	28.5	23.0

ALTAMAHA RIVER BASIN

111

02214265 Ocmulgee River near Bonaire, Ga.

LOCATION.--Lat 32°32'33", long 83°32'13", Houston County, at bridge on State Highway 96, 0.4 mi (0.6 km) downstream from Flat Creek, and 3.5 mi (5.6 km) east of Bonaire.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 13...	0815	3520	6.5	26.0	6.0
SEP. 17...	1245	2530	7.1	25.0	7.3

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca, Mg) (MG/L)
AUG. 13...	16	.32	.05	.06	.29	17
SEP. 17...	25	.35	.08	.10	.14	21

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- NUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 13...	70	160	136	1.3	--	9.0
SEP. 17...	91	20	13	1.3	4300	5.0

ALTAMAHA RIVER BASIN

02214265 Ocmulgee River near Bonaire, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
30...	1100	--	7.0	18.0	5.5
DEC.					
03...	1300	2640	7.2	8.0	8.1
JAN.					
13...	1315	--	6.7	11.0	7.8
FEB.					
24...	1410	--	7.2	13.5	7.6
APR.					
07...	1115	--	6.4	14.0	6.8
MAY					
12...	1100	4800	6.9	22.0	6.5
JULY					
14...	1030	3350	6.7	26.0	5.2
AUG.					
18...	1145	2630	6.8	27.0	4.9

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
OCT.						
30...	36	.18	.22	.28	.23	23
DEC.						
03...	25	.47	.14	.18	.28	18
JAN.						
13...	13	.16	.04	.05	.12	12
FEB.						
24...	9	.27	<.02	--	.09	12
APR.						
07...	8	.18	.08	.10	.11	12
MAY						
12...	16	.27	.02	.03	.08	18
JULY						
14...	18	.41	.02	.03	.13	16
AUG.						
18...	23	.45	.07	.09	.16	20

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
30...	122	30	5	2.0	4300	4.0
DEC.						
03...	91	55	40	4.3	9300	10
JAN.						
13...	55	200	58	1.6	430	12
FEB.						
24...	50	110	50	1.1	91	6.0
APR.						
07...	40	200	92	.9	750	7.0
MAY						
12...	63	100	17	.7	73	3.0
JULY						
14...	62	45	32	--	--	3.0
AUG.						
18...	85	40	25	--	--	5.0

02215260 Ocmulgee River at Abbeville, Ga.

LOCATION.--Lat 31°59'47", long 83°16'43", Wilcox County, at bridge on State Highway 30, and 1 mi (1.6 km) east of Abbeville.

DRAINAGE AREA.--4,450 mi² (11,500 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 13...	0950	3410	7.1	26.0	6.5
SEP. 17...	0930	2430	7.4	26.0	7.0

DATE	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 13...	25	.47	<.02	.13	20
SEP. 17...	32	.26	<.02	.12	28

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 13...	91	60	30	.7	--	4.0
SEP. 17...	97	20	13	1.7	930	5.0

ALTAMAHA RIVER BASIN

02215260 Ocmulgee River at Abbeville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 30...	0920	1350	7.0	17.0	7.1
DEC. 03...	1100	1890	7.2	8.0	8.9
JAN. 13...	1100	5450	6.8	12.0	7.4
FEB. 24...	0900	--	6.0	16.0	5.7
APR. 07...	0945	10000	6.3	13.0	7.6
MAY 12...	0945	7910	6.8	21.0	5.5
JULY 14...	0930	3500	7.0	26.5	6.1
AUG. 18...	0930	5540	7.0	26.0	4.9

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 30...	40	.31	<.02	--	.12	32
DEC. 03...	33	.48	.10	.13	.14	29
JAN. 13...	20	.29	.05	.06	.09	21
FEB. 24...	3	<.02	<.02	--	.06	10
APR. 07...	14	.20	.50	.64	.10	16
MAY 12...	17	.31	.05	.06	.08	22
JULY 14...	26	.42	.02	.03	.09	16
AUG. 18...	26	.31	<.02	--	.08	24

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 30...	122	10	5	.8	290	2.0
DEC. 03...	105	20	7	.6	2300	3.0
JAN. 13...	73	60	17	1.4	4300	9.0
FEB. 24...	36	100	36	1.9	230	15
APR. 07...	50	160	74	.8	930	8.0
MAY 12...	69	40	15	.5	430	4.0
JULY 14...	41	30	17	--	--	3.0
AUG. 18...	43	50	12	--	--	4.0

02215500 Ocmulgee River at Lumber City, Ga.

LOCATION.--Lat 31°55'06", long 82°40'26"; Telfair County, near left bank on downstream end of pier of bridge on U.S. Highway 341 at Lumber City, 500 ft (152 m) downstream from Southern Railway bridge, 1 mi (1.6 km) upstream from Little Ocmulgee River, and 12 mi (19.3 km) upstream from confluence with Oconee River.

DRAINAGE AREA.--5,180 mi² (13,400 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1936 to current year. Gage-height records collected at same site since 1908 are contained in reports of National Weather Service.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 87.48 ft (26.66 m) above mean sea level. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--39 years, 5,657 ft³/s (160 m³/s), 14.83 in/yr (376.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 48,200 ft³/s (1,370 m³/s) Mar. 25, gage height, 19.50 ft (5.944 m); minimum, 1,510 ft³/s (42.8 m³/s) Nov. 2, 3, 9.
Period of record: Maximum discharge, 70,000 ft³/s (1,980 m³/s) Dec. 8, 1948; maximum gage height, 22.7 ft (6.92 m) Dec. 9, 1948; minimum discharge, 800 ft³/s (22.7 m³/s) Oct. 30 to Nov. 3, 1954.
Maximum discharge known since at least 1841, 98,400 ft³/s (2,790 m³/s) Jan. 21, 1925, from rating curve extended above 67,000 ft³/s (1,900 m³/s) on basis of records of peak flow for stations on Oconee, Ocmulgee, and Altamaha Rivers; maximum stage known, 26.3 ft (8.02 m) Jan. 21, 1925, backwater from Oconee River.

REMARKS.--Records good except those for periods of backwater, which are fair. Flow regulated by Lloyd Shoals Reservoir (see sta. 02210000). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1504: 1937.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,060	1,520	2,150	4,810	8,240	30,200	20,100	9,850	6,450	4,890	6,630	3,590
2	2,070	1,520	2,150	4,960	8,170	27,800	18,100	9,170	6,120	4,600	6,800	3,750
3	2,050	1,520	2,040	5,210	8,480	24,800	16,800	8,540	6,160	4,300	6,760	3,780
4	1,990	1,520	1,960	5,510	9,110	22,100	16,100	8,090	6,330	4,110	6,550	3,830
5	1,920	1,520	2,120	5,810	9,720	20,400	15,500	8,020	6,450	3,940	6,410	3,680
6	1,850	1,530	2,500	6,020	10,000	19,400	14,500	8,110	6,450	3,750	6,350	3,550
7	1,790	1,530	2,850	6,010	9,920	18,600	13,200	8,010	6,360	3,550	6,440	3,490
8	1,750	1,520	3,060	5,820	9,500	17,600	12,000	7,950	6,250	3,480	6,570	3,450
9	1,710	1,520	3,130	5,720	9,020	16,000	11,300	8,120	6,270	3,560	6,780	3,490
10	1,680	1,530	3,040	5,630	8,620	14,200	11,900	8,520	6,560	3,550	7,070	3,620
11	1,650	1,560	2,960	5,480	8,270	12,300	16,500	8,870	6,930	3,730	7,420	3,880
12	1,630	1,580	3,010	5,420	8,000	10,700	24,000	9,120	7,330	4,300	7,830	3,920
13	1,620	1,580	3,080	6,240	7,950	9,630	28,000	9,470	7,380	4,830	8,060	3,770
14	1,610	1,560	3,090	6,810	8,140	8,980	28,000	9,810	6,980	5,010	7,990	3,490
15	1,590	1,550	3,080	6,910	8,620	8,580	27,000	10,000	6,640	5,000	7,690	3,240
16	1,580	1,560	2,850	6,930	9,300	8,880	26,000	9,910	6,660	5,070	7,190	3,050
17	1,580	1,590	2,540	7,030	9,980	10,300	25,000	9,950	6,910	5,870	6,770	3,050
18	1,560	1,660	2,400	7,230	10,500	11,400	24,000	10,100	7,190	6,620	6,510	3,130
19	1,550	1,660	2,540	7,610	10,600	13,900	23,000	10,200	7,520	6,790	6,310	3,080
20	1,560	1,680	2,830	8,510	10,400	17,000	23,000	10,300	8,080	6,590	6,160	3,020
21	1,590	1,730	3,170	9,910	10,400	21,000	23,300	9,940	8,720	7,020	5,970	3,120
22	1,640	1,790	3,440	11,700	11,300	27,000	23,000	9,400	9,370	8,240	5,430	3,350
23	1,640	1,890	3,650	13,800	13,000	33,000	22,400	9,100	9,780	9,600	4,560	3,570
24	1,610	2,010	3,850	15,500	16,300	42,000	21,400	9,060	9,630	10,300	3,960	3,730
25	1,580	2,100	4,050	16,000	21,100	47,000	19,600	9,120	8,690	9,820	3,550	3,910
26	1,550	2,210	4,180	15,300	26,500	43,000	17,500	9,300	7,180	8,570	3,300	4,080
27	1,530	2,340	4,270	13,600	30,300	39,000	15,400	9,510	6,020	7,180	3,110	4,220
28	1,550	2,340	4,360	11,800	31,300	34,000	13,300	9,500	5,430	6,330	2,960	4,330
29	1,550	2,230	4,470	10,100	-----	30,000	11,800	9,100	5,200	6,060	2,990	4,410
30	1,540	2,120	4,610	9,080	-----	26,100	10,700	8,170	5,050	6,110	3,190	4,470
31	1,530	-----	4,720	8,500	-----	22,800	-----	7,070	-----	6,290	3,380	-----
TOTAL	52,110	51,970	98,150	258,960	342,740	687,670	572,400	281,380	210,090	179,060	180,690	109,050
MEAN	1,681	1,732	3,166	8,354	12,240	22,180	19,080	9,077	7,003	5,776	5,829	3,635
MAX	2,070	2,340	4,720	16,000	31,300	47,000	28,000	10,300	9,780	10,300	8,060	4,470
MIN	1,530	1,520	1,960	4,810	7,950	8,580	10,700	7,070	5,050	3,480	2,960	3,020
CFSM	.32	.33	.61	1.61	2.36	4.28	3.68	1.75	1.35	1.12	1.13	.70
IN.	.37	.37	.70	1.86	2.46	4.94	4.11	2.02	1.51	1.29	1.30	.78
CAL YR 1974	TOTAL 1,807,400	MEAN 4,952	MAX 21,500	MIN 1,520	CFSM .96	IN 12.98						
WTR YR 1975	TOTAL 3,024,270	MEAN 8,286	MAX 47,000	MIN 1,520	CFSM 1.60	IN 21.72						

NOTE.--Backwater from Oconee River Mar. 21-29, Apr. 14-19.

ALTAMAHA RIVER BASIN

02215500 Ocmulgee River at Lumber City, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 03...	0900	2070	7.4	8.0	9.0
FEB. 25...	0915	20200	6.5	12.0	7.5
MAY 12...	0830	9070	6.9	21.0	6.0
AUG. 18...	0800	6560	6.7	26.5	5.0

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
DEC. 03...	37	.52	.06	.08	.11	32
FEB. 25...	10	.04	<.02	--	.06	14
MAY 12...	20	.25	<.02	--	.07	24
AUG. 18...	29	.25	.05	.06	.05	27

DATE	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 03...	111	25	7	.3	150	3.0
FEB. 25...	47	100	42	1.4	930	10
MAY 12...	69	40	18	.4	36	5.0
AUG. 18...	85	60	11	--	--	5.0

ALTAMAHA RIVER BASIN

117

02216610 Ocmulgee River Tributary near Lumber City, Ga.

LOCATION.--Lat 31°58'53", long 82°38'25", Wheeler County, on right bank, 18 ft (5.5 m) upstream from culvert on State Highway 19, 4.3 mi (6.9 km) northeast of Lumber City, and 4.7 mi (7.6 km) upstream from mouth.

DRAINAGE AREA.--2.71 mi² (7.02 km²).

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 168 ft (51 m), from topographic map. Prior to Oct. 1, 1974, at datum 2.00 ft (.61 m) lower.

EXTREMES.--Current year: Maximum discharge, 236 ft³/s (6.68 m³/s) April 14, gage height, 5.14 ft (1.567 m); no flow on many days.
Period of record: Maximum discharge, 1,070 ft³/s (30.3 m³/s) May 23, 1973, gage height, 9.59 ft (2.923 m), present datum, from floodmarks; no flow at times most years.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.14	0	4.2	.82	1.1	.96	6.3	3.1	2.2	0	3.8	.67
2	.01	0	1.3	.72	1.1	2.8	5.5	2.7	1.2	0	2.6	.15
3	0	0	.94	.64	5.7	.78	5.0	11	.75	0	4.1	.12
4	0	0	.86	.94	4.0	.70	3.5	12	.29	0	1.1	0
5	0	0	.76	1.1	2.4	.61	3.0	3.3	.07	0	.68	0
6	0	0	.75	.82	2.0	.51	2.7	2.4	0	0	.77	5.2
7	0	0	.81	.70	1.3	.50	2.5	2.7	0	0	1.0	5.2
8	0	0	1.2	4.1	1.0	.68	2.4	3.5	0	3.7	.94	2.2
9	0	0	.90	3.3	1.0	.38	2.8	2.8	0	7.5	.45	.76
10	0	0	.77	.99	.95	.38	12	2.5	.27	1.4	.25	.76
11	0	0	.75	3.0	.95	.41	9.8	1.8	2.0	8.0	.48	.66
12	0	0	1.6	7.6	3.4	.45	4.4	1.3	1.8	3.8	.71	.43
13	0	0	2.0	17	2.0	.45	3.2	2.2	.83	1.5	.22	.39
14	0	0	1.1	1.5	.86	.65	88	1.2	.17	1.2	.04	.26
15	0	0	1.9	1.1	.75	.37	42	2.5	.14	2.6	0	.13
16	0	0	2.2	.95	.80	32	8.0	5.9	.28	22	0	.53
17	.05	0	1.1	.87	6.8	3.7	5.9	6.5	.05	8.7	0	9.2
18	.08	1.5	.88	.91	4.3	39	5.0	3.4	0	4.2	0	2.6
19	.02	.69	.80	1.2	2.5	24	4.4	1.7	.72	2.5	0	1.4
20	0	3.3	2.7	6.2	1.7	7.0	16	.94	.17	3.0	1.7	.90
21	0	2.4	4.1	1.8	.94	5.5	5.5	.64	.02	2.0	1.3	6.9
22	0	.92	1.1	1.2	2.1	6.2	4.3	.48	0	1.2	1.3	8.6
23	0	.68	.77	4.7	1.7	6.1	3.8	.32	0	.70	.14	3.4
24	0	.65	.76	4.0	5.5	28	3.4	.20	0	.50	0	1.8
25	0	.71	.82	7.5	1.7	24	3.0	.08	0	.19	0	1.4
26	0	.70	.85	4.2	.90	5.6	2.7	.07	0	.46	0	1.0
27	0	.70	.80	2.2	.85	4.9	2.7	2.8	0	.34	0	.76
28	0	.75	.84	1.7	.78	4.8	2.6	.70	0	7.8	0	.65
29	0	.72	.91	1.5	-----	4.5	2.5	1.4	0	8.8	3.1	.83
30	0	1.2	.91	1.4	-----	5.0	4.0	2.3	0	5.1	3.7	.97
31	0	-----	.86	1.2	-----	5.3	-----	2.5	-----	3.4	2.2	-----
TOTAL	.30	14.92	40.24	85.86	59.08	216.23	266.9	84.93	10.96	100.59	30.58	57.87
MEAN	.010	.50	1.30	2.77	2.11	6.98	8.90	2.74	.37	3.24	.99	1.93
MAX	.14	3.3	4.2	17	6.8	39	88	12	2.2	22	4.1	9.2
MIN	0	0	.75	.64	.75	.37	2.4	.07	0	0	0	0
CFSM	.003	.15	.40	.86	.65	2.16	2.76	.85	.11	1.00	.31	.60
IN.	.003	.17	.46	.99	.68	2.49	3.07	.98	.13	1.16	.35	.67

WTR YR 1975 TOTAL 968.46 MEAN 2.65 MAX 88 MIN 0 CFSM .82 IN 11.15

PEAK DISCHARGE (BASE, 140 CFS)

DATE TIME G.H. DISCHARGE

4-14 2045 5.14 236

02217500 Middle Oconee River near Athens, Ga.

LOCATION.--Lat 33°56'48", long 83°25'22", Clarke County, on left bank 0.5 mi (0.8 km) upstream from U.S. Highway 29, 2 mi (3.2 km) west of Athens, and 5 mi (8.0 km) upstream from Barber Creek.

DRAINAGE AREA.--398 mi² (1,030 km²).

PERIOD OF RECORD.--Discharge: October 1901 to October 1902, January 1929 to March 1932, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
Chemical analyses: February 1968 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 555.66 ft (169.37 m) above mean sea level. Oct. 11, 1901 to Oct. 25, 1902, nonrecording gage at site 1 mi (1.6 km) upstream at different datum. Jan. 16, 1929 to Mar. 15, 1932, and Apr. 29, 1937 to Sept. 30, 1940, water-stage recorder at site 4 mi (6.4 km) downstream at different datum.

AVERAGE DISCHARGE.--41 years (1901-2, 1929-31, 1937-75), 521 ft³/s (14.8 m³/s), 17.78 in/yr (451.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,580 ft³/s (271 m³/s) Mar. 14, gage height, 17.28 ft (5.267 m); minimum, 150 ft³/s (4.25 m³/s) Oct. 4, gage height, 1.19 ft (.363 m).

Period of record: Maximum discharge observed, 19,600 ft³/s (555 m³/s) Feb. 28, 1902, gage height, 25.5 ft (7.772 m), site and datum then in use; minimum daily, 26 ft³/s (.74 m³/s) Sept. 7, 1957.

REMARKS.--Records fair except those for periods of doubtful or no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	187	1,070	629	443	810	824	525	800	320	480	260
2	161	190	614	533	430	761	826	1,120	1,300	310	460	330
3	158	186	380	468	410	695	1,030	901	1,100	550	550	280
4	154	192	323	504	1,300	645	957	1,270	800	378	450	259
5	156	199	297	583	3,200	615	800	1,010	550	334	410	244
6	158	230	281	490	3,800	590	744	654	500	317	380	230
7	158	224	290	453	2,000	577	706	987	460	318	420	230
8	157	198	349	460	1,000	647	679	1,300	450	317	480	250
9	154	193	317	626	800	594	671	1,110	430	306	440	270
10	154	193	280	588	560	566	729	736	420	298	400	290
11	154	194	264	1,220	510	622	717	646	650	359	360	270
12	152	228	260	2,140	527	661	648	581	1,250	332	420	260
13	151	280	255	2,330	577	2,780	606	556	745	300	550	200
14	151	227	247	1,490	470	8,200	626	539	516	300	500	300
15	155	227	353	883	426	8,220	830	797	454	313	400	280
16	174	243	672	691	560	3,190	739	1,090	437	379	360	260
17	283	222	430	597	1,410	1,840	653	1,200	419	361	330	240
18	228	263	400	540	1,370	1,660	612	1,000	396	388	300	500
19	193	363	370	509	1,700	2,390	590	900	394	334	280	800
20	178	348	550	520	1,540	2,220	845	750	519	309	270	700
21	172	706	750	500	939	1,410	556	600	510	352	260	500
22	172	384	600	445	704	1,160	535	500	448	330	250	440
23	176	293	500	424	987	1,050	520	460	402	302	250	400
24	181	261	600	470	1,990	1,170	515	430	380	318	250	750
25	145	249	800	1,200	2,960	1,780	514	420	369	336	240	750
26	182	237	700	1,810	1,490	1,350	504	410	361	336	240	630
27	182	223	600	1,060	1,010	1,030	484	400	356	660	270	530
28	180	219	540	681	854	919	469	400	349	500	300	480
29	182	215	660	572	-----	857	463	400	340	450	350	440
30	183	331	450	514	-----	899	473	450	331	500	310	410
31	187	-----	750	472	-----	951	-----	500	-----	530	280	-----
TOTAL	5,379	7,705	15,452	24,402	33,967	50,859	19,605	22,642	16,436	11,437	11,240	11,863
MEAN	174	257	498	787	1,213	1,641	654	730	548	369	363	395
MAX	283	706	1,070	2,330	3,800	8,220	1,030	1,300	1,300	660	550	800
MIN	151	186	247	424	410	566	463	400	331	298	240	230
CFSM	.44	.65	1.25	1.98	3.05	4.12	1.64	1.83	1.38	.93	.91	.99
IN.	.50	.72	1.44	2.28	3.17	4.75	1.83	2.12	1.54	1.07	1.05	1.11

CAL YR 1974 TOTAL 188,036 MEAN 515 MAX 7,400 MIN 151 CFSM 1.29 IN 17.58
WTR YR 1975 TOTAL 230,987 MEAN 633 MAX 8,220 MIN 151 CFSM 1.59 IN 21.59

PEAK DISCHARGE (BASE, 3,800 CFS)

DATE TIME G.H. DISCHARGE

2-5 unknown 10.43 3,860
3-14 2400 17.28 9,580

NOTE.--No gage-height record Dec. 17-31, Feb. 2-11, Mar. 13, 14, May 17 to June 11, July 1, 2, July 27 to Sept. 3, Sept. 6-30.

02217740 North Oconee River above Athens, Ga.

LOCATION.--Lat 33°58'28", long 83°22'56", Clarke County, at city of Athens water works intake, and 0.3 mi (0.5 km) north of Athens city limit.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 29...	0940	--	6.9	24.5	7.1
SEP. 10...	0710	159	7.2	20.0	7.8

DATE	ALKA- LINIT AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JULY 29...	22	.33	<.02	--	.05	18
SEP. 10...	75	.27	.04	.05	.04	19

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 29...	61	40	36	.3	4300	2.0
SEP. 10...	67	35	29	.7	930	2.0

ALTAMAHA RIVER BASIN

02217740 North Oconee River above Athens, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
24...	1515	147	7.1	10.0	10.2
DEC.					
12...	1145	284	7.0	6.0	11.4
JAN.					
17...	0830	394	7.1	2.0	12.0
FEB.					
27...	0910	658	6.4	8.5	9.4
APR.					
10...	1530	355	7.1	15.0	8.7
MAY					
15...	0940	374	7.1	19.0	7.3
JULY					
01...	1320	194	7.3	23.0	7.5
AUG.					
12...	1440	262	7.3	24.0	7.3
SEP.					
23...	1500	--	6.4	20.0	6.8

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
24...	27	.16	<.02	--	<.02	19
DEC.						
12...	20	.30	.04	.05	.02	17
JAN.						
17...	16	.36	<.02	--	.11	14
FEB.						
27...	10	.25	<.02	--	.06	12
APR.						
10...	15	.22	.12	.15	.03	16
MAY						
15...	15	.29	.05	.06	.07	17
JULY						
01...	22	.39	<.02	--	.04	19
AUG.						
12...	20	.32	<.02	--	.06	18
SEP.						
23...	10	.11	.10	.13	.29	9

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
24...	60	10	10	.2	430	2.0
DEC.						
12...	53	20	12	.4	230	3.0
JAN.						
17...	44	90	30	.6	230	3.0
FEB.						
27...	39	120	56	.8	150	3.0
APR.						
10...	49	40	20	.7	430	12
MAY						
15...	50	50	58	1.0	4300	3.0
JULY						
01...	55	60	25	.6	750	3.0
AUG.						
12...	57	65	34	.7	430	3.0
SEP.						
23...	32	160	150	2.0	2300	25

ALTAMAHA RIVER BASIN

121

02218000 Oconee River near Watkinsville, Ga.

LOCATION.--Lat 33°51'21", long 83°19'35", Oconee County, at bridge on Barnett Shoals Road, 1 mi (1.6 km) upstream from Barnett Shoals Dam, and 4 mi (6.4 km) east of Watkinsville.

DRAINAGE AREA.--783 mi² (2,030 km²).

PERIOD OF RECORD.--Discharge: August 1901 to September 1902.

Chemical analyses: July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 29...	1110	--	6.7	25.5	6.6
SEP. 10...	0830	470	7.2	20.5	6.4

DATE	ALKAL- INITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JULY 29...	20	.65	.06	.08	.16	16
SEP. 10...	22	.72	.21	.27	.19	18

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC (EC CARBON (C) (MG/L)
JULY 29...	69	40	35	.9	2300	3.0
SEP. 10...	72	20	22	2.3	7500	3.0

02218000 Oconee River near Watkinsville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
24...	1410	354	6.9	14.0	8.8
DEC.					
12...	1100	525	6.8	7.0	11.1
JAN.					
16...	1640	1560	6.4	3.5	12.7
FEB.					
27...	0800	--	6.9	9.0	10.5
APR.					
10...	1440	1450	7.1	15.5	9.1
MAY					
15...	0845	1330	6.7	19.5	7.6
JULY					
01...	1215	477	7.3	25.0	6.7
AUG.					
12...	1345	1300	7.1	24.0	7.7
SEP.					
23...	1350	--	6.6	20.0	7.5

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
24...	27	.57	.58	.75	.35	19
DEC.						
12...	20	<.02	.34	.44	.16	16
JAN.						
16...	14	.53	.17	.22	.18	12
FEB.						
27...	10	.38	.02	.03	.11	12
APR.						
10...	13	.40	.06	.08	.09	14
MAY						
15...	12	.55	.11	.14	.19	15
JULY						
01...	20	.69	.09	.12	.13	14
AUG.						
12...	16	.47	<.02	--	.26	14
SEP.						
23...	11	.22	.06	.08	.34	11

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
24...	86	10	18	.5	43000	4.0
DEC.						
12...	69	20	19	4.7	93000	4.0
JAN.						
16...	49	90	45	2.3	93000	4.0
FEB.						
27...	42	120	74	1.7	9300	6.0
APR.						
10...	51	40	21	1.4	15000	3.0
MAY						
15...	55	70	88	2.3	2300	5.0
JULY						
01...	61	45	17	1.2	230000	2.0
AUG.						
12...	53	180	156	2.1	43000	8.0
SEP.						
23...	42	120	270	2.3	43000	11

02218500 Oconee River near Greensboro, Ga.

LOCATION.--Lat 33°34'52", long 83°16'22", Greene County, on right bank 300 ft (91 m) downstream from bridge on State Highway 12, 1 mi (1.6 km) downstream from Town Creek, 5 mi (8.0 km) upstream from Apalachee River, 5 mi (8.0 km) west of Greensboro, and 12 mi (19.3 km) downstream from Barnett Shoals Dam.

DRAINAGE AREA.--1,090 mi² (2,820 km²), approximately.

PERIOD OF RECORD.--Discharge: July 1903 to September 1932, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304.

Chemical analyses: November 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 409.82 ft (124.91 m) above mean sea level, unadjusted. Prior to Nov. 8, 1938, non-recording gage at same site and datum.

AVERAGE DISCHARGE.--68 years, 1,442 ft³/s (40.8 m³/s), 17.97 in/yr (456.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,900 ft³/s (564 m³/s) Mar. 15, gage height, 22.82 ft (6.956 m); minimum daily, 359 ft³/s (10.2 m³/s) Oct. 9.

Period of record: Maximum discharge, 66,800 ft³/s (1,890 m³/s) Aug. 26, 1908, gage height, 36.4 ft (10.79 m), from rating curve extended above 23,000 ft³/s (651 m³/s) on basis of velocity-area studies and computation of flow over Barnett Shoals Dam at gage heights 28.1 and 30.0 ft (8.56 and 9.14 m); minimum daily, 59 ft³/s (1.67 m³/s) Oct. 8, 1954.

REMARKS.--Records good. Diurnal fluctuation and some regulation at low flows by Barnett Shoals powerplant. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 262: 1908-9. WSP 822: Drainage area. WSP 1304: 1919-23. WSP 1504: 1908, 1912, 1915-16, 1917(M), 1919-23(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	455	421	1,010	1,640	1,290	2,100	2,210	1,280	2,530	866	1,200	715
2	414	431	1,580	1,380	1,220	1,900	2,500	1,510	3,980	919	1,470	946
3	393	430	1,340	1,190	1,280	1,720	8,240	2,210	3,260	981	1,400	832
4	379	419	935	1,200	2,890	1,600	8,000	2,830	2,110	1,070	1,130	711
5	369	436	757	1,350	5,040	1,520	3,480	2,610	1,470	980	1,060	650
6	373	488	688	1,300	5,840	1,460	2,290	2,600	1,300	879	1,040	614
7	379	496	668	1,160	6,480	1,420	2,030	2,170	1,260	893	1,120	643
8	374	499	750	1,110	6,500	1,510	1,880	3,660	1,280	891	1,290	700
9	359	459	777	1,410	3,150	1,510	1,790	2,810	1,160	859	1,100	735
10	366	443	747	1,490	2,000	1,440	1,860	2,290	1,080	835	975	806
11	371	441	676	3,630	1,720	1,700	1,940	1,810	1,280	888	958	736
12	378	456	654	4,040	1,750	1,930	1,800	1,580	3,010	981	1,410	706
13	370	510	642	5,310	1,780	4,370	1,640	1,450	2,760	909	1,490	776
14	364	570	635	5,680	1,670	10,700	1,710	1,380	1,800	872	1,030	806
15	362	540	687	4,370	1,530	18,600	2,460	1,780	1,360	888	984	776
16	390	525	1,280	2,320	1,490	19,100	2,190	2,410	1,240	853	892	671
17	447	525	1,350	1,750	3,030	14,300	1,870	3,890	1,190	1,020	832	778
18	542	585	1,070	1,500	3,980	9,030	1,690	3,600	1,110	1,360	789	2,470
19	526	735	877	1,370	4,820	6,740	1,600	2,660	1,070	1,130	756	2,730
20	448	795	1,360	1,430	5,840	6,850	1,530	2,000	1,200	935	733	2,570
21	418	912	1,470	1,450	4,920	6,400	1,480	1,620	1,470	875	725	2,170
22	400	1,120	1,150	1,300	2,770	4,480	1,410	1,450	1,330	965	697	1,580
23	393	843	951	1,190	2,830	2,950	1,370	1,340	1,160	913	681	2,420
24	404	673	1,020	1,200	4,000	3,250	1,350	1,250	1,040	908	664	4,430
25	414	609	1,610	2,220	5,150	5,400	1,340	1,180	986	2,280	638	5,170
26	423	580	1,820	3,420	5,390	5,320	1,320	1,120	1,030	2,710	612	4,520
27	416	549	1,630	3,380	4,920	3,580	1,270	1,070	1,010	1,760	728	2,340
28	416	531	1,360	2,680	2,640	2,570	1,220	1,080	953	1,260	933	1,560
29	418	520	1,390	1,850	-----	2,270	1,190	1,100	926	1,180	922	1,280
30	422	562	2,070	1,540	-----	2,340	1,180	1,320	893	1,420	857	1,140
31	420	-----	1,860	1,390	-----	2,440	-----	1,440	-----	1,280	755	-----
TOTAL	12,603	17,103	34,814	66,250	95,920	150,500	65,840	60,500	46,248	34,560	29,871	46,981
MEAN	407	570	1,123	2,137	3,426	4,855	2,195	1,952	1,542	1,115	964	1,566
MAX	542	1,120	2,070	5,680	6,500	19,100	8,240	3,890	3,980	2,710	1,490	5,170
MIN	359	419	635	1,110	1,220	1,420	1,180	1,070	893	835	612	614
CFSM	.37	.52	1.03	1.96	3.14	4.45	2.01	1.79	1.41	1.02	.88	1.44
IN.	.43	.58	1.19	2.26	3.27	5.14	2.25	2.06	1.58	1.18	1.02	1.60

CAL YR 1974 TOTAL 470,373 MEAN 1,289 MAX 12,400 MIN 359 CFSM 1.18 IN 16.05
WTR YR 1975 TOTAL 661,190 MEAN 1,811 MAX 19,100 MIN 359 CFSM 1.66 IN 22.57

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-14	1300	12.84	5,690	3-15	2100	22.82	19,900
2-8	0500	14.27	6,730	3-25	2200	12.88	5,720
2-20	1700	13.17	5,920	4-3	2100	16.83	9,500
2-27	0100	12.48	5,440	9-25	1900	12.23	5,290

ALTAMAHA RIVER BASIN

02218500 Oconee River near Greensboro, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 24...	1250	405	7.2	18.5	8.3
JAN. 16...	1520	80	6.9	3.0	13.2
APR. 10...	1330	1870	7.1	14.0	9.1
JULY 01...	1050	867	7.2	25.0	6.9
SEP. 23...	1215	2350	6.8	20.5	7.7

DATE	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
OCT. 24...	27	.63	.07	.09	.17	19
JAN. 16...	13	.48	.07	.09	.14	13
APR. 10...	14	.46	.04	.05	.08	14
JULY 01...	19	.64	<.02	--	.11	16
SEP. 23...	14	.37	.04	.05	.30	13

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	77	10	10	1.2	4300	2.0
JAN. 16...	46	100	60	1.6	2300	4.0
APR. 10...	50	35	25	1.0	4300	3.0
JULY 01...	61	50	26	1.8	1500	3.0
SEP. 23...	49	120	200	2.2	230000	7.0

02219500 Apalachee River near Buckhead, Ga.

LOCATION.--Lat 33°36'31", long 83°20'58"; Morgan County, at downstream side of right bank pier of bridge on State Highway 12, 2 mi (3.2 km) downstream from Hard Labor Creek, 3 mi (4.8 km) northeast of Buckhead, and 9 mi (14.5 km) upstream from mouth.

DRAINAGE AREA.--436 mi² (1,130 km²).

PERIOD OF RECORD.--Discharge: January 1901 to December 1908, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

Chemical analyses: November 1969 to May 1972.

GAGE.--Water-stage recorder. Datum of gage is 424.07 ft (129.26 m) above mean sea level. Prior to Dec. 31, 1908, nonrecording gage at same site at different datum. May 13, 1937 to Feb. 1, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 579 ft³/s (16.4 m³/s), 18.03 in/yr (458.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,300 ft³/s (348 m³/s) Mar. 14, gage height, 20.97 ft (6.392 m); minimum, 132 ft³/s (3.74 m³/s) Oct. 14, 15, gage height, 1.72 ft (.524 m).

Period of record: Maximum discharge observed, 28,900 ft³/s (818 m³/s) Aug. 25, 1908, gage height, 27.5 ft (8.382 m), datum then in use; minimum daily, 16 ft³/s (.45 m³/s) Oct. 13, 1954.

REMARKS.--Records good. Diurnal fluctuation and slight regulation at times, caused by powerplants above station.

REVISIONS (WATER YEARS).--WSP 1504: 1901-3, 1906, 1908-9, 1938(M), 1944-45(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	190	600	774	557	877	991	577	937	377	601	299
2	151	282	434	613	532	822	1,100	646	1,770	358	687	280
3	144	218	549	516	593	758	5,170	800	1,080	360	629	247
4	138	168	378	569	1,330	695	4,610	1,780	665	354	472	225
5	139	178	309	668	3,170	662	2,010	1,440	553	335	435	211
6	141	202	276	585	3,310	639	1,220	768	517	319	461	199
7	140	210	270	501	2,240	624	1,030	809	547	350	552	238
8	137	241	335	491	1,370	692	922	1,430	504	360	656	259
9	137	238	338	668	944	673	872	1,680	458	330	607	273
10	137	207	294	688	800	635	907	1,290	433	315	472	272
11	137	180	260	1,230	723	866	1,010	1,270	625	385	436	253
12	135	191	253	1,950	777	1,140	877	952	1,520	603	461	244
13	134	223	251	2,380	935	2,180	780	736	2,380	523	448	256
14	133	219	239	2,740	755	8,690	847	674	1,070	499	381	265
15	134	204	282	1,640	656	10,400	1,340	1,110	655	533	341	238
16	152	198	754	934	673	5,150	1,250	1,540	590	407	319	216
17	176	199	723	759	1,440	3,060	938	1,860	538	431	312	326
18	189	255	479	660	2,330	2,420	821	2,500	484	467	313	738
19	176	350	391	602	2,770	3,070	767	1,580	486	435	272	757
20	157	346	607	641	3,440	3,480	721	908	588	382	262	519
21	146	364	874	737	2,210	2,170	677	747	521	397	252	391
22	141	340	676	620	1,280	1,430	646	667	484	544	243	362
23	144	278	505	553	1,280	1,200	627	614	427	396	235	724
24	149	238	530	568	1,710	1,440	623	569	394	386	225	2,480
25	153	223	916	910	2,830	3,050	614	533	381	689	214	2,480
26	155	212	946	1,760	2,190	2,590	616	497	499	1,230	216	1,090
27	154	202	730	1,400	1,290	1,500	584	475	839	686	240	666
28	153	198	582	887	995	1,120	555	476	562	477	264	532
29	151	193	633	729	-----	1,010	536	529	492	496	324	462
30	151	216	1,230	655	-----	1,010	537	531	414	491	338	411
31	154	-----	1,160	601	-----	1,230	-----	516	-----	570	274	-----
TOTAL	4,602	6,963	17,204	29,029	43,130	65,283	34,198	30,504	21,413	14,485	11,942	15,913
MEAN	148	232	555	936	1,540	2,106	1,140	984	714	467	385	530
MAX	189	364	1,230	2,740	3,440	10,400	5,170	2,500	2,380	1,230	687	2,480
MIN	133	168	239	491	532	624	536	475	381	315	214	199
CFSM	.34	.53	1.27	2.15	3.53	4.83	2.61	2.26	1.64	1.07	.88	1.22
IN.	.39	.59	1.47	2.48	3.68	5.57	2.92	2.60	1.83	1.24	1.02	1.36
CAL YR 1974	TOTAL 182,364	MEAN 500	MAX 4,490	MIN 133	CFSM 1.15	IN 15.56						
WTR YR 1975	TOTAL 294,666	MEAN 807	MAX 10,400	MIN 133	CFSM 1.85	IN 25.14						

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.H.	DISCHARGE
3-14	2300	20.97	12,300
4-3	1730	16.34	6,560

02220550 Whitten Creek near Sparta, Ga.

LOCATION.--Lat 33°23'13", long 83°01'29", Hancock County, in right bank 100 ft (30 m) upstream from bridge on State Highway 15, 5 mi (8.0 km) upstream from mouth, and 8.5 mi (13.7 km) northwest of Sparta.

DRAINAGE AREA.--15 mi² (39 km²), approximately.

PERIOD OF RECORD.--June 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 395 ft (120 m), from topographic map. Prior to Aug. 17, 1963, water-stage recorder at site 100 ft (30 m) downstream at same datum.

AVERAGE DISCHARGE.--15 years, 17.6 ft³/s (.50 m³/s), 15.93 in/yr (404.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,030 ft³/s (57.5 m³/s) Apr. 3, gage height, 14.01 ft (4.270 m); minimum daily, 1.8 ft³/s (51 l/s) Oct. 12-15.

Period of record: Maximum discharge, 3,770 ft³/s (107 m³/s) Feb. 24, 1961, gage height, 16.0 ft (4.88 m), at former site; minimum daily, 0.76 ft³/s (22 l/s) Oct. 5, 6, 12, 1970.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.4	74	19	14	23	11	9.1	8.2	5.9	5.5	3.4
2	2.2	2.5	14	13	13	19	161	9.9	7.3	5.6	7.0	3.3
3	2.1	2.4	9.3	9.8	31	16	764	85	6.9	5.5	5.1	3.2
4	2.0	2.4	6.7	9.5	188	15	71	40	6.6	5.4	4.7	3.1
5	1.9	2.5	5.6	11	74	14	40	14	6.4	5.6	4.7	3.0
6	2.0	3.9	4.8	9.8	40	13	30	11	6.6	5.9	4.9	3.5
7	1.9	3.3	4.7	9.2	28	13	24	12	6.9	11	41	6.0
8	1.9	2.7	6.0	8.5	21	16	20	12	6.5	6.0	13	3.7
9	1.9	2.7	5.4	9.0	18	12	19	12	6.3	5.8	6.5	3.5
10	1.9	2.6	4.5	8.8	16	13	22	11	6.3	8.0	17	3.9
11	1.9	2.4	4.1	209	14	18	19	10	7.6	15	35	4.2
12	1.8	2.9	4.0	525	38	27	15	8.7	16	6.6	7.7	3.4
13	1.8	2.5	4.1	523	23	42	14	8.3	9.1	6.0	5.9	3.3
14	1.8	2.4	4.0	98	17	614	63	8.4	6.7	5.8	5.4	3.5
15	1.8	2.6	9.7	62	14	68	66	10	6.5	5.7	4.8	3.3
16	2.1	2.4	40	40	18	80	23	13	6.6	6.6	4.5	3.3
17	2.9	2.4	17	32	193	64	16	18	6.2	6.4	4.4	5.9
18	2.3	11	9.2	27	110	80	13	12	6.0	5.7	4.4	7.6
19	2.1	6.2	7.2	23	226	129	11	9.2	5.8	5.4	4.1	4.2
20	2.1	4.4	18	19	66	43	10	8.4	5.7	6.1	4.0	3.8
21	2.1	5.0	42	16	38	26	9.2	7.9	5.7	5.7	4.0	3.8
22	2.0	3.5	24	15	62	20	8.7	7.5	5.7	5.3	3.9	4.4
23	2.1	2.9	15	12	83	16	8.4	7.3	5.6	5.2	3.9	5.6
24	2.2	2.5	50	57	129	64	8.1	7.1	5.6	5.8	3.9	6.1
25	2.3	2.5	102	343	56	51	7.8	6.8	5.7	7.3	3.8	4.5
26	2.3	2.5	55	125	34	23	7.8	6.8	5.5	5.9	3.6	4.0
27	2.2	2.3	33	83	26	17	7.3	7.2	5.5	5.5	4.0	3.7
28	2.2	2.3	22	59	23	15	7.0	7.8	5.4	5.2	3.8	3.5
29	2.2	2.2	26	21	-----	13	6.8	9.0	5.7	5.2	3.7	3.3
30	2.3	40	45	19	-----	17	6.9	7.4	5.6	5.5	3.6	3.4
31	2.2	-----	30	16	-----	12	-----	7.7	-----	5.2	3.5	-----
TOTAL	64.8	132.3	706.3	2,161.6	1,613	1,593	1,490.0	403.5	200.2	195.8	231.3	121.4
MEAN	2.09	4.41	22.8	69.7	57.6	51.4	49.7	13.0	6.67	6.32	7.46	4.05
MAX	2.4	40	102	525	226	614	764	85	16	15	41	7.6
MIN	1.8	2.2	4.0	8.5	13	12	6.8	6.8	5.4	5.2	3.5	3.0
CFSM	.14	.29	1.52	4.65	3.84	3.43	3.31	.87	.44	.42	.50	.27
IN.	.16	.33	1.75	5.36	4.00	3.95	3.70	1.00	.50	.49	.57	.30

CAL YR 1974 TOTAL 4,923.7 MEAN 13.5 MAX 307 MIN 1.8 CFSM .90 IN 12.21
 WTR YR 1975 TOTAL 8,913.2 MEAN 24.4 MAX 764 MIN 1.8 CFSM 1.63 IN 22.10

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-12	2145	12.31	1,360	3-14	0645	12.66	1,470
1-25	0230	10.37	819	4-3	0515	14.01	2,030

02223000 Oconee River at Milledgeville, Ga.

LOCATION.--Lat 33°04'58", long 83°12'51", Baldwin County, at right bank on city of Milledgeville water works intake structure at Milledgeville, 0.5 mi (0.8 km) upstream from bridge on State Highway 24, 3.8 mi (6.1 km) downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1 (223.8 km).

DRAINAGE AREA.--2,950 mi² (7,640 km²), approximately.

PERIOD OF RECORD.--Discharge: August 1903 to current year. Monthly discharge only for some periods, published in WSP 1304. Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft (70.36 m) above mean sea level. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932 to Sept. 30, 1939, nonrecording gages at site 0.5 mi (0.8 km) downstream, and Oct. 1, 1939 to Mar. 8, 1966, water-stage recorder 0.3 mi (0.5 km) downstream, all at present datum. May 23, 1906 to Dec. 31, 1908 and Oct. 6, 1909 to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi (10.9 km) upstream at different datum.

AVERAGE DISCHARGE.--72 years, 3,372 ft³/s (95.5 m³/s), 15.52 in/yr (394.2 mm/yr), adjusted for storage.

EXTREMES.--Current year: Maximum discharge, 59,000 ft³/s (1,670 m³/s) Apr. 3, gage height, 34.46 ft (10.503 m); minimum daily, 338 ft³/s (9.57 m³/s) Sept. 13.

Period of record: Maximum discharge, 122,000 ft³/s (3,460 m³/s) Feb. 25, 1961, gage height, 42.9 ft (13.08 m), from rating curve extended above 77,000 ft³/s (2,180 m³/s); minimum daily, 90 ft³/s (2.55 m³/s) for several days in August and September 1925 and on Aug. 3, 1955.

Maximum stage known, 46.7 ft (14.23 m) in 1886, at site 0.5 mi (0.8 km) downstream at present datum, from information by Georgia Department of Transportation.

REMARKS.--Records good except those for period of doubtful gage-height record, which are fair. Flow regulated by Sinclair Reservoir since November 1952 (see sta. 02222500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412	1,880	3,770	3,890	6,210	7,680	6,930	1,730	4,500	1,700	3,000	573
2	405	609	4,130	4,250	4,570	6,930	7,110	2,300	5,500	640	4,300	2,670
3	405	613	3,260	3,910	6,190	7,070	38,300	9,400	6,200	1,200	4,900	3,350
4	403	823	2,690	3,650	7,480	6,880	42,700	10,200	3,500	640	2,300	3,360
5	400	2,080	1,830	559	10,600	6,200	12,800	7,210	2,200	640	1,100	2,450
6	407	1,420	3,950	3,900	11,800	5,900	6,650	7,160	2,200	630	3,700	991
7	410	1,380	3,310	3,660	8,260	4,070	6,570	7,170	3,000	3,000	3,800	942
8	748	639	1,880	2,560	7,420	2,270	6,510	7,140	4,000	5,000	5,600	1,890
9	414	617	2,380	4,450	10,100	1,460	6,480	7,190	3,000	6,000	2,300	2,000
10	1,520	611	1,640	4,110	7,370	4,520	3,690	7,300	5,900	2,500	2,500	1,880
11	1,580	692	1,870	5,420	7,300	6,220	5,310	4,950	6,900	800	3,900	1,920
12	413	983	1,560	12,200	7,510	6,150	6,140	2,900	6,000	592	4,000	557
13	412	2,140	2,010	26,800	5,810	7,120	5,100	3,000	6,000	598	2,500	338
14	403	2,570	535	12,100	7,240	29,900	6,550	680	6,000	483	2,500	366
15	605	1,880	603	10,800	4,930	41,100	7,690	3,940	2,600	1,920	3,000	532
16	610	555	3,440	7,390	4,800	32,400	6,950	5,400	2,600	2,120	1,800	2,100
17	438	417	3,490	7,390	11,000	31,000	6,870	6,400	2,700	1,700	1,600	2,080
18	429	445	4,390	7,350	15,600	23,900	6,220	12,000	1,800	500	2,600	3,800
19	423	774	2,550	6,040	22,100	22,500	5,480	6,200	2,200	1,800	1,300	5,790
20	421	3,410	2,640	4,150	17,400	16,400	5,530	5,900	2,400	400	3,000	3,780
21	1,620	3,890	3,670	4,700	10,700	10,900	5,050	3,530	2,300	2,100	500	2,040
22	1,100	3,220	1,800	4,150	13,800	12,900	1,230	3,430	520	2,400	400	3,280
23	496	2,390	3,420	3,630	9,610	10,300	2,400	1,310	1,700	3,000	400	4,660
24	724	410	4,290	4,630	14,600	7,410	1,300	2,390	1,900	1,600	400	7,140
25	761	1,620	6,610	6,020	15,400	9,180	2,900	700	2,500	1,300	3,200	3,280
26	604	3,240	7,220	9,960	12,200	14,100	2,800	3,630	500	3,000	2,000	4,220
27	611	2,410	6,020	6,820	10,900	7,460	2,500	2,980	3,000	5,900	2,800	4,700
28	590	425	3,070	6,630	9,450	9,280	2,500	2,380	2,200	2,900	1,270	3,040
29	605	1,850	3,300	6,510	-----	7,090	3,300	2,390	630	2,800	392	3,210
30	598	2,060	4,210	6,110	-----	7,030	3,000	2,070	1,900	3,700	1,100	3,850
31	669	-----	5,930	6,160	-----	6,970	-----	2,000	-----	3,000	619	-----
TOTAL	19,636	46,053	101,468	199,899	280,350	372,290	226,560	144,980	96,350	64,563	72,781	80,789
MEAN	633	1,535	3,273	6,448	10,010	12,010	7,552	4,677	3,212	2,083	2,348	2,693
MAX	1,620	3,890	7,220	26,800	22,100	41,100	42,700	12,000	6,900	6,000	5,600	7,140
MIN	400	410	535	559	4,570	1,460	1,230	680	500	400	392	338
(†)	+182	-282	+159	+376	+243	-220	-50	+317	-101	+24	-195	-76

CAL YR 1974 TOTAL 1,185,986 MEAN 3,249 MAX 26,800 MIN 306 MEAN† 3,270 CFSM† 1.11 IN† 15.07
WTR YR 1975 TOTAL 1,705,719 MEAN 4,673 MAX 42,700 MIN 338 MEAN† 4,705 CFSM† 1.60 IN† 21.72

† Change in contents, equivalent in cubic feet per second, in Sinclair Reservoir; furnished by Georgia Power Company.

‡ Adjusted for change in contents.

NOTE.--Doubtful gage-height record Apr. 23 to Aug. 25.

ALTAMAHA RIVER BASIN

02223000 Oconee River at Milledgeville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
24...	0930	444	7.1	16.0	4.1
DEC.					
05...	1430	618	6.7	14.0	8.6
JAN.					
16...	1315	7390	7.2	9.0	10.6
FEB.					
26...	1020	14000	6.7	12.0	10.4
APR.					
10...	1040	4540	6.4	14.5	8.2
MAY					
14...	1230	420	6.7	21.5	6.5
JULY					
07...	1400	5510	7.1	26.0	2.7
AUG.					
12...	1100	3770	7.1	27.0	6.4
SEP.					
23...	0915	5490	6.9	25.0	5.2

DATE	TOTAL IRON (FF) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINIT- Y AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
24...	120	100	25	.14	<.02	--	.02
DEC.							
05...	370	<50	24	.14	.02	.03	.04
JAN.							
16...	1700	100	14	.29	.04	.05	.08
FEB.							
26...	3200	90	10	.19	.02	.03	.09
APR.							
10...	4100	100	10	.18	.05	.06	.10
MAY							
14...	1500	120	15	.25	.13	.17	.09
JULY							
07...	1200	520	20	.21	.06	.08	.03
AUG.							
12...	1100	250	20	.31	.04	.05	.04
SEP.							
23...	--	--	24	.14	.18	.23	.03

DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (MG/L)	COLOR (PLAT- NUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BPH/TH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
24...	19	71	<5	2	.6	<30	2.0
DEC.							
05...	20	72	8	7	.8	<30	3.0
JAN.							
16...	16	57	40	42	1.0	2300	4.0
FEB.							
26...	14	45	120	74	.8	430	6.0
APR.							
10...	10	35	140	116	.8	430	7.0
MAY							
14...	16	54	70	33	1.1	21000	3.0
JULY							
07...	18	56	35	18	--	--	3.0
AUG.							
12...	18	62	55	18	.6	1500	3.0
SEP.							
23...	18	67	5	10	.7	<30	5.0

ALTAMAHA RIVER BASIN

129

02223040 Oconee River near Hardwick, Ga.

LOCATION.--Lat 33°01'45", long 83°11'24", Baldwin County, on right bank 1 mi (1.6 km) downstream from Camp Creek, and 3 mi (4.8 km) southeast of Hardwick.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 29...	1525	610	6.5	27.0	3.8
SEP. 10...	1550	5900	7.1	26.0	5.6

DATE	ALKA- LINIT AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY 29...	25	.05	.18	.23	.04
SEP. 10...	23	.05	.08	.10	.03

DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 29...	20	73	10	11	1.0	430	3.0
SEP. 10...	18	65	20	13	.9	9300	3.0

ALTAHAHA RIVER BASIN

02223040 Oconee River near Hardwick, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 24...	1030	440	7.1	15.5	8.2
DEC. 05...	1530	600	6.9	17.0	7.7
JAN. 16...	1130	7400	7.2	8.5	10.7
FEB. 26...	0915	15200	6.5	11.5	9.2
APR. 10...	1125	8300	6.6	14.5	8.5
MAY 14...	1315	440	6.9	21.5	6.0
JULY 07...	1450	540	6.9	25.5	3.8
AUG. 12...	1005	--	7.0	26.5	5.1
SEP. 23...	1010	5400	7.0	25.0	5.7

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT. 24...	28	.18	.20	.26	.12
DEC. 05...	24	.16	.04	.05	.06
JAN. 16...	19	.30	.05	.06	.08
FEB. 26...	10	.20	.02	.03	.09
APR. 10...	10	.18	.07	.09	.15
MAY 14...	13	.26	.07	.09	.04
JULY 07...	20	.22	.06	.08	.04
AUG. 12...	22	.22	.04	.05	.06
SEP. 23...	23	.15	.10	.13	.05

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	20	86	<5	2	.9	930	3.0
DEC. 05...	30	76	5	7	1.1	91	4.0
JAN. 16...	16	58	80	37	.8	930	4.0
FEB. 26...	14	46	110	70	.7	430	7.0
APR. 10...	11	40	140	124	1.0	2300	8.0
MAY 14...	14	50	40	38	.6	36	3.0
JULY 07...	20	57	35	19	--	--	6.0
AUG. 12...	18	69	50	14	1.8	<30	3.0
SEP. 23...	18	70	5	10	.7	930	2.0

ALTAMAHA RIVER BASIN

131

02223500 Oconee River at Dublin, Ga.

LOCATION.--Lat 32°32'40", long 82°53'41", Laurens County, near left bank on downstream end of pier of bridge on U.S. Highway 80 at Dublin, and at mile 74.3 (119.5 km).

DRAINAGE AREA.--4,400 mi² (11,400 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1894 to September 1897 (gage heights only), October 1897 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1893 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to July 1973.

GAGE.--Water-stage recorder. Datum of gage is 149.08 ft (45.44 m) above mean sea level. Prior to Apr. 14, 1932, nonrecording gage and Apr. 15, 1932 to June 17, 1934, water-stage recorder at site 420 ft (128 m) downstream at datum 3.0 ft (.91 m) higher, Oct. 1, 1933 to July 17, 1934 corrected to present datum. July 18, 1934 to Apr. 14, 1936, water-stage recorder, Apr. 15, 1936 to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938 to Jan. 20, 1953, water-stage recorder at site 80 ft (24 m) upstream at present datum.

AVERAGE DISCHARGE.--78 years (1897-1975), 5,084 ft³/s (144 m³/s), 15.69 in/yr (398.5 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 43,800 ft³/s (1,240 m³/s) Mar. 19, gage height, 26.69 ft (8.135 m); minimum daily, 639 ft³/s (18.1 m³/s) Oct. 9.

Period of record: Maximum discharge, 97,700 ft³/s (2,770 m³/s) Apr. 12, 13, 1936, gage height, 32.97 ft (10.049 m); minimum, 333 ft³/s (9.43 m³/s) Sept. 12, 1951, gage height, 0.48 ft (.146 m).

Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.

REMARKS.--Records good. Flow regulated by Sinclair Reservoir (see sta. 02222500).

REVISIONS (WATER YEARS).--WSP 822: Drainage area. WSP 1504: 1898-1903, 1905-6, 1908-9, 1912, 1913(M), 1925(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	961	789	2,160	6,560	8,940	19,300	13,300	5,890	5,760	1,770	7,120	1,900
2	862	963	2,910	5,860	8,420	17,800	12,100	5,450	6,570	2,730	8,010	1,450
3	772	1,590	4,290	5,440	7,720	15,900	11,500	5,400	8,130	2,570	7,830	1,770
4	713	987	4,270	5,230	8,010	14,100	11,900	8,430	8,440	1,830	8,070	3,410
5	684	877	3,400	4,900	8,810	12,400	15,100	10,600	7,790	2,620	6,330	3,850
6	668	1,200	2,800	3,750	9,440	11,000	30,300	12,000	5,850	1,480	4,990	3,700
7	649	1,860	3,240	2,860	10,100	9,190	36,000	13,600	4,620	1,430	5,220	2,860
8	640	1,480	3,980	4,760	10,800	7,590	30,500	14,300	4,840	2,290	7,140	2,140
9	639	1,470	3,270	4,250	11,400	6,810	23,900	13,500	6,710	5,590	7,430	2,220
10	788	1,070	2,940	4,980	11,700	4,880	18,400	12,300	5,650	6,380	6,400	2,950
11	728	933	2,380	5,420	11,600	5,040	14,700	11,400	7,670	6,030	4,910	2,880
12	1,450	897	2,670	6,690	11,200	7,930	11,800	11,200	9,260	2,930	5,370	2,610
13	1,390	919	2,200	9,150	10,800	9,100	10,300	11,200	10,100	1,890	5,690	2,470
14	814	1,240	2,080	10,500	10,300	9,560	11,100	10,000	10,200	1,660	5,370	1,480
15	691	2,330	2,020	11,800	9,590	10,900	14,400	6,690	10,100	1,590	4,180	1,180
16	666	2,460	1,670	14,900	8,950	13,300	14,900	5,530	9,230	1,790	4,070	1,100
17	782	1,760	2,820	18,700	8,970	23,800	15,700	8,200	6,640	4,620	3,630	1,480
18	826	1,100	4,240	18,500	11,800	36,800	16,200	9,890	5,780	5,720	2,940	2,940
19	740	976	5,460	16,400	14,900	42,800	15,500	10,900	4,730	5,750	2,940	4,300
20	693	1,000	4,120	14,100	18,500	42,500	14,200	11,800	4,010	5,220	2,760	6,160
21	667	1,970	4,740	11,000	21,900	39,800	12,500	12,500	4,080	3,980	2,780	5,630
22	879	3,660	4,970	7,660	26,600	35,800	11,000	12,600	4,290	3,100	2,760	4,670
23	1,370	4,080	4,340	6,800	28,100	30,900	8,530	10,500	3,450	4,290	1,560	4,400
24	1,080	3,460	3,780	6,740	25,700	25,800	5,350	6,520	2,120	4,280	1,220	6,030
25	795	2,170	5,150	8,140	23,100	22,500	5,270	4,110	3,080	4,150	1,040	7,560
26	889	1,270	6,770	9,160	21,300	20,400	4,460	3,980	3,300	3,580	1,560	6,900
27	961	2,220	7,580	9,850	20,300	18,700	5,080	4,440	3,570	3,280	3,240	5,640
28	851	3,150	7,800	10,600	20,000	17,100	4,650	5,230	2,900	6,080	3,470	5,850
29	838	2,270	6,080	10,800	-----	16,200	4,340	4,280	3,700	5,880	3,540	4,910
30	829	1,490	4,750	10,500	-----	15,700	5,550	4,080	2,990	5,870	2,460	4,300
31	806	-----	5,510	9,780	-----	14,600	-----	4,540	-----	6,170	1,620	-----
TOTAL	26,121	51,641	124,400	275,780	398,950	578,200	408,530	271,060	175,560	116,550	135,650	108,740
MEAN	843	1,721	4,013	8,896	14,250	18,650	13,620	8,744	5,852	3,760	4,376	3,625
MAX	1,450	4,080	7,800	18,700	28,100	42,800	36,000	14,300	10,200	6,380	8,070	7,560
MIN	639	789	1,670	2,860	7,720	4,880	4,340	3,980	2,120	1,430	1,040	1,100

CAL YR 1974 TOTAL 1,622,317 MEAN 4,445 MAX 26,100 MIN 625 MEAN† 4,466 CFSM† 1.02 IN† 13.85
WTR YR 1975 TOTAL 2,671,182 MEAN 7,318 MAX 42,800 MIN 639 MEAN† 7,350 CFSM† 1.67 IN† 22.67

† Adjusted for change in contents in Sinclair Reservoir.

ALTAMAHA RIVER BASIN

02223600 Oconee River at I-16, near Dublin, Ga.

LOCATION.--Lat 32°29'05", long 82°51'45", Laurens County, at Interstate Highway 16, 4.0 mi (6.4 km) upstream from Pughes Creek, 4.5 mi (7.2 km) southeast of Dublin, and at mile 69.9 (112.5 km).

DRAINAGE AREA.--4,400 mi² (11,400 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1973 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 03...	1430	4170	7.4	10.0	9.8
FEB. 24...	1015	26000	6.6	11.5	7.3
MAY 12...	1210	11200	7.0	21.0	5.5
AUG. 18...	1330	2580	6.9	28.0	6.2

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC. 03...	22	.17	.03	.04	.10	20
FEB. 24...	9	.14	<.02	--	.07	13
MAY 12...	13	.23	.06	.08	.08	16
AUG. 18...	23	.29	.06	.08	.06	21

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 03...	79	20	28	.9	2300	4.0
FEB. 24...	45	100	43	1.1	1500	7.0
MAY 12...	51	120	34	1.0	4300	5.0
AUG. 18...	73	50	19	--	--	3.0

02224000 Rocky Creek near Dudley, Ga.

LOCATION.--Lat 32°29'38", long 83°08'49", Laurens County, on downstream side of highway bridge, 3.2 mi (5.1 km) upstream from Buckhorn Branch, and 5 mi (8.0 km) southwest of Dudley.

DRAINAGE AREA.--62.9 mi² (163 km²).

PERIOD OF RECORD.--Discharge: October 1951 to current year. Monthly discharge only for some periods, published in WSP 1724.
Chemical analyses: November 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 262 ft (80 m), by barometer.

AVERAGE DISCHARGE.--24 years, 59.5 ft³/s (1.68 m³/s), 12.85 in/yr (326.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,280 ft³/s (121 m³/s) July 16, gage height, 10.70 ft (3.261 m), from rating curve extended as explained below; minimum daily, 3.0 ft³/s (85.0 l/s) Oct. 12-15.

Period of record: Maximum discharge, 9,270 ft³/s (263 m³/s) Mar. 3, 1966, gage height, 13.49 ft (4.112 m), from rating curve extended above 1,900 ft³/s (53.8 m³/s) on basis of contracted-opening measurement of peak flow; minimum daily, 0.11 ft³/s (3.12 l/s) May 7, Aug. 22-25, 1968.

REMARKS.--Records fair.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	4.3	14	30	93	160	107	72	105	20	229	16
2	5.5	4.3	14	27	92	154	102	65	85	18	123	14
3	4.7	4.3	12	25	187	132	136	401	80	16	79	11
4	4.3	4.7	11	30	226	121	104	1,530	47	14	59	9.8
5	4.0	5.0	11	38	181	118	83	334	33	12	70	9.2
6	3.8	8.1	11	33	155	113	72	163	28	13	103	9.9
7	3.8	8.1	9.3	29	128	112	67	130	28	69	142	41
8	3.4	7.5	21	56	107	116	62	139	26	52	111	26
9	3.4	7.8	12	110	100	101	62	118	32	30	67	22
10	3.4	6.9	8.1	76	97	93	94	136	67	22	60	129
11	3.2	7.5	6.3	74	94	105	128	133	75	30	206	61
12	3.0	8.4	5.8	134	112	141	83	90	224	28	97	34
13	3.0	8.7	6.1	384	131	121	60	78	289	26	65	23
14	3.0	8.1	5.8	196	100	204	468	72	114	21	48	20
15	3.0	8.4	17	104	87	346	1,500	92	113	29	39	17
16	3.2	8.7	60	80	96	246	433	110	162	521	33	15
17	4.0	13	30	69	550	401	238	154	75	1,770	28	17
18	4.0	16	22	62	1,350	342	174	393	54	288	26	26
19	4.0	13	19	60	1,570	945	148	186	47	138	24	23
20	3.6	20	59	66	960	389	127	101	32	96	22	18
21	3.4	34	110	56	400	226	106	76	49	80	19	16
22	3.2	18	65	52	290	183	42	65	109	68	18	17
23	3.2	14	42	86	490	170	85	52	50	74	16	17
24	3.8	12	41	230	420	224	81	44	35	72	14	17
25	3.8	11	52	306	369	702	76	37	44	67	13	15
26	3.8	10	43	223	220	308	68	33	68	279	12	14
27	4.0	10	34	151	185	183	63	32	43	146	11	13
28	4.7	11	31	125	169	149	67	28	31	86	14	12
29	4.3	10	31	117	-----	137	60	29	26	95	14	11
30	4.3	10	34	109	-----	131	68	56	23	114	13	11
31	4.3	-----	32	100	-----	129	-----	100	-----	175	19	-----
TOTAL	119.6	312.8	869.4	3,238	8,959	7,002	5,014	5,049	2,194	4,469	1,794	684.9
MEAN	3.86	10.4	28.0	104	320	226	167	163	73.1	144	57.9	22.8
MAX	6.5	34	110	384	1,570	945	1,500	1,530	289	1,770	229	129
MIN	3.0	4.3	5.8	25	87	93	60	28	23	12	11	9.2
CFSM	.06	.17	.45	1.65	5.09	3.59	2.66	2.59	1.16	2.29	.92	.36
IN.	.07	.18	.51	1.92	5.30	4.14	2.97	2.99	1.30	2.64	1.06	.41
CAL YR 1974	TOTAL 13,669.33	MEAN 37.5	MAX 426	MIN .83	CFSM .60	IN 8.08						
WTR YR 1975	TOTAL 39,705.70	MEAN 109	MAX 1,770	MIN 3.0	CFSM 1.73	IN 23.48						

PEAK DISCHARGE (BASE, 550 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-19	2000	9.48	2,880	4-15	0500	8.40	1,930
2-23	unknown	5.43	692	5-4	0600	8.92	2,340
3-19	1000	7.28	1,240	7-16	2400	10.70	4,280
3-25	1400	6.77	992				

ALTAMAHA RIVER BASIN

02224000 Rocky Creek near Dudley, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
JUNE 19...	1200	65	51	6.8	24.5	7.6					
DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)
JUNE 19...	7.8	90	2000	130	4.6	1.0	2.8	.9	18	0	15
DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUNE 19...	3.3	5.6	.0	.23	1.0	.01	.03	.24	.24	.04	.03
DATE	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA,MG) (MG/L)
JUNE 19...	.04	.62	.66	.90	4.0	.10	.03	.06	.02	56	16
DATE	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 19...	1	120	4.5	1	0	2	0	2	.0	0	60

02225000 Altamaha River near Baxley, Ga.

LOCATION.--Lat 31°56'20", long 82°21'25", Appling County, on right bank 400 ft (122 m) downstream from bridge on U.S. Highway 1, 2.2 mi (3.5 km) upstream from Bay Creek, 8 mi (12.9 km) downstream from Bullards Creek, and 12 mi (19.3 km) north of Baxley.

DRAINAGE AREA.--11,600 mi² (30,000 km²), approximately.

PERIOD OF RECORD.--Discharge: August 1949 to June 1951, October 1970 to current year.

Chemical analyses: November 1970 to current year.

Water temperature: December 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.51 ft (18.75 m) above mean sea level. Aug. 13, 1949 to June 30, 1951, nonrecording gage at site 400 ft (122 m) upstream at same datum.

AVERAGE DISCHARGE.--6 years (1949-50, 1971-75), 13,010 ft³/s (368 m³/s), 15.23 in/yr (386.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 91,300 ft³/s (2,590 m³/s) Mar. 26, gage height, 22.22 ft (6.773 m); minimum, 2,580 ft³/s (73.1 m³/s) Oct. 19, Nov. 4.

Period of record: Maximum discharge, 97,500 ft³/s (2,760 m³/s) Mar. 12, 1971, gage height, 22.7 ft (6.92 m); minimum daily, 2,100 ft³/s (59.5 m³/s) Oct. 9-12, 1970.

Flood of Dec. 10, 1948 reached a stage of 25.1 ft (7.65 m), from floodmark, discharge, 130,000 ft³/s (3,680 m³/s).

Flood of January 1925 reached a stage of 30.0 ft (9.14 m), from information furnished by Georgia Department of Transportation.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,590	2,640	4,860	11,300	20,500	58,100	49,700	18,600	14,500	9,120	15,900	7,120
2	3,630	2,610	4,310	10,300	20,300	56,000	46,600	18,000	13,800	8,640	15,900	6,530
3	3,560	2,590	4,370	10,500	20,300	53,000	43,700	17,500	13,800	7,440	15,900	6,390
4	3,450	2,610	4,760	10,900	20,400	49,800	40,800	17,200	13,900	6,880	15,700	6,210
5	3,300	2,940	5,520	10,900	20,600	47,400	38,100	17,700	14,200	6,600	15,500	6,040
6	3,160	2,980	6,010	11,500	20,900	45,100	35,800	18,600	14,600	6,480	15,500	6,540
7	3,020	2,780	6,110	11,500	20,900	43,000	33,600	18,900	14,700	6,360	15,300	7,100
8	2,910	2,750	5,990	11,000	20,700	40,400	31,400	19,400	14,500	6,120	15,300	7,240
9	2,830	3,180	6,120	10,300	20,400	37,200	30,200	20,500	13,800	5,880	15,100	6,950
10	2,760	3,300	6,580	10,700	20,100	34,000	34,000	22,000	13,000	6,120	14,900	6,390
11	2,700	3,240	6,380	11,000	20,000	30,100	42,000	23,400	12,700	8,000	15,100	6,410
12	2,690	3,110	6,050	11,200	20,000	25,900	46,800	24,300	14,500	10,300	15,400	7,060
13	2,730	2,930	5,900	13,900	20,200	21,700	49,700	24,500	14,900	10,900	15,400	7,240
14	2,890	2,820	5,810	15,200	20,400	19,300	51,600	24,400	15,300	10,300	15,400	7,240
15	3,230	2,750	5,770	15,800	20,700	18,300	53,200	23,500	15,900	9,280	15,400	6,680
16	3,050	2,830	5,560	16,200	21,000	18,500	54,100	23,300	16,600	8,800	15,000	5,770
17	2,790	3,400	5,290	16,700	21,400	19,700	53,900	23,300	17,400	10,500	14,100	5,190
18	2,660	3,950	4,810	17,400	21,900	21,800	53,200	23,300	18,400	14,500	13,000	5,100
19	2,610	3,800	5,160	18,300	22,400	25,900	51,500	22,300	18,800	16,400	12,100	5,610
20	2,630	3,330	6,320	19,900	22,900	32,400	49,700	21,400	18,700	16,400	11,100	6,420
21	2,650	2,960	7,460	22,600	23,400	43,400	48,500	21,100	17,400	16,200	10,500	7,100
22	2,630	2,950	7,890	26,800	25,400	54,900	47,900	21,100	16,400	15,900	10,000	8,160
23	2,630	3,320	8,220	30,400	29,700	66,800	45,700	21,200	15,800	16,200	9,060	9,080
24	2,620	4,550	8,620	32,700	37,000	78,300	43,800	21,300	16,000	16,600	8,020	9,230
25	2,890	5,380	8,750	33,300	45,000	88,700	41,200	21,600	15,400	17,200	6,670	8,790
26	3,010	5,510	8,510	31,900	51,600	90,500	36,700	21,700	14,000	16,900	5,780	9,130
27	2,820	5,080	9,010	29,300	56,400	85,800	31,000	21,000	12,100	15,300	5,190	9,940
28	2,680	4,450	9,770	26,700	58,700	77,600	25,700	19,000	10,400	13,900	4,930	10,600
29	2,740	4,480	10,500	24,200	-----	67,800	21,800	17,100	9,470	12,700	5,820	10,700
30	2,740	5,030	11,100	22,200	-----	59,600	19,900	16,600	8,810	13,300	6,660	10,600
31	2,680	-----	11,500	21,100	-----	54,000	-----	15,700	-----	15,300	7,170	-----
TOTAL	90,280	104,250	213,010	565,700	743,200	1,465,0M	1,251.8M	639,500	439,780	354,520	376,800	222,560
MEAN	2,912	3,475	6,871	18,250	26,540	47,260	41,730	20,630	14,660	11,440	12,150	7,419
MAX	3,630	5,510	11,500	33,300	58,700	90,500	54,100	24,500	18,800	17,200	15,900	10,700
MIN	2,610	2,590	4,310	10,300	20,000	18,300	19,900	15,700	8,810	5,880	4,930	5,100
CFSM	.25	.30	.59	1.57	2.29	4.07	3.60	1.78	1.26	.99	1.05	.64
IN.	.29	.33	.68	1.81	2.38	4.70	4.01	2.05	1.41	1.14	1.21	.71

CAL YR 1974 TOTAL 3,829,100 MEAN 10,490 MAX 46,100 MIN 2,590 CFSM .90 IN 12.28
WTR YR 1975 TOTAL 6,466,400 MEAN 17,720 MAX 90,500 MIN 2,590 CFSM 1.53 IN 20.74

ALTAMAHA RIVER BASIN

02225000 Altamaha River near Baxley, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JAN. 16...	1200	16200	6.9	10.0	9.2
FEB. 21...	1030	23300	6.6	14.0	8.3
MAY 07...	0730	18800	6.5	21.5	7.0
JUNE 05...	1000	13900	7.1	25.5	6.7
JULY 18...	0930	14300	6.6	24.8	6.6
AUG. 12...	0930	15500	6.8	25.9	7.1
SEP. 11...	1000	6320	7.2	24.0	6.6

DATE	ALKA- LINIT- AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JAN. 16...	17	.17	.03	.04	.08	18
FEB. 21...	12	--	--	--	.07	16
MAY 07...	14	.35	<.02	--	.12	18
JUNE 05...	21	.28	.03	.04	.08	22
JULY 18...	17	.20	<.02	--	.07	19
AUG. 12...	21	.21	.08	.10	.07	24
SEP. 11...	28	.23	.09	.12	.06	27

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 16...	61	70	35	1.1	4300	11
FEB. 21...	55	80	28	1.5	430	8.0
MAY 07...	56	100	25	.8	91	4.0
JUNE 05...	68	100	38	.4	91	6.0
JULY 18...	60	100	31	1.0	2300	12
AUG. 12...	69	70	22	.2	91	5.0
SEP. 11...	77	40	15	.4	1500	15

02225000 Altamaha River near Baxley, Ga.--Continued

CHLORIDE (MG/L AS CL), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14	11	9.1	7.0	10	4.8	14	6.9	14	5.4	---	---
2	14	9.9	8.3	6.5	12	8.3	12	4.7	13	4.3	---	---
3	13	8.3	8.7	6.3	14	8.8	16	8.4	7.1	3.5	---	---
4	13	9.1	9.3	6.2	16	7.6	11	8.4	7.3	5.9	---	---
5	17	9.9	9.5	5.8	15	7.1	12	8.5	13	6.3	---	---
6	18	11	7.1	6.1	16	6.8	14	9.7	12	6.4	---	---
7	18	10	7.9	5.4	14	6.2	15	9.1	8.6	5.1	---	---
8	17	9.5	7.9	6.0	12	5.5	16	10	14	6.1	---	---
9	18	12	9.5	5.8	12	3.4	19	12	16	6.9	---	---
10	19	13	9.7	5.3	18	5.6	18	10	14	6.5	---	---
11	---	---	9.7	5.6	18	8.2	13	9.1	15	6.9	---	---
12	---	---	9.0	5.6	17	12	15	9.2	14	7.5	---	---
13	---	---	10	3.7	15	11	12	6.7	15	7.4	---	---
14	---	---	9.0	4.4	19	11	10	8.1	16	7.0	---	---
15	---	---	7.5	5.8	21	13	14	8.3	16	7.4	---	---
16	16	11	9.3	5.9	14	11	12	7.9	19	8.7	---	---
17	17	10	8.5	6.4	18	12	12	7.0	14	9.1	---	---
18	15	11	9.3	6.2	20	13	12	7.5	18	8.4	9.5	6.1
19	---	---	8.5	6.5	24	15	14	7.2	14	8.8	12	6.6
20	---	---	9.2	7.1	17	10	12	6.0	13	9.0	13	5.4
21	---	---	9.6	6.9	13	5.9	8.4	5.7	---	---	13	3.8
22	12	9.0	11	8.5	19	4.7	9.7	6.7	---	---	11	4.4
23	13	7.0	13	8.7	21	8.4	9.5	6.9	---	---	13	5.0
24	14	7.0	11	9.3	18	7.5	12	6.7	---	---	12	3.8
25	13	7.0	12	7.0	14	5.7	13	6.3	---	---	9.7	2.9
26	14	8.0	12	6.0	13	5.2	12	5.8	---	---	7.7	1.7
27	15	6.0	13	8.0	11	7.4	13	5.7	---	---	9.8	4.1
28	12	5.0	13	8.6	13	7.4	13	5.8	---	---	11	4.0
29	12	5.0	15	9.2	13	7.1	12	5.3	---	---	12	4.0
30	9.5	6.7	13	7.7	11	6.2	12	5.2	---	---	8.7	3.0
31	8.4	6.6	---	---	12	5.8	13	5.5	---	---	9.2	2.5
MONTH	---	---	15	3.7	24	3.4	19	4.7	---	---	---	---
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.3	4.9	17	8.6	---	---	11	4.9	15	7.6	---	---
2	11	6.0	17	8.2	---	---	12	7.2	16	8.0	---	---
3	9.7	3.0	18	8.8	---	---	13	8.2	17	6.9	---	---
4	11	2.3	17	9.4	11	4.3	15	8.8	16	6.0	---	---
5	13	3.1	15	7.0	11	4.7	14	7.6	17	7.0	---	---
6	13	2.3	16	6.5	11	4.4	14	7.6	16	7.0	---	---
7	12	3.4	---	---	10	3.7	14	8.1	16	6.0	---	---
8	11	4.3	---	---	11	2.9	15	8.6	16	6.0	---	---
9	9.6	4.7	---	---	8.9	3.4	14	7.8	17	6.0	---	---
10	7.0	4.9	---	---	13	3.4	13	8.6	16	6.0	---	---
11	9.6	4.9	---	---	11	3.4	11	7.8	17	6.0	---	---
12	8.5	2.1	---	---	13	2.4	12	6.6	---	---	---	---
13	9.3	2.7	---	---	11	2.3	13	6.8	---	---	---	---
14	6.2	3.0	---	---	12	1.3	12	7.0	---	---	---	---
15	10	3.8	---	---	9.4	1.1	13	7.1	---	---	---	---
16	10	2.1	---	---	12	1.1	12	8.1	---	---	---	---
17	11	2.4	---	---	12	1.1	12	7.8	---	---	---	---
18	12	2.2	---	---	11	2.2	14	7.6	---	---	---	---
19	12	3.3	---	---	12	4.6	13	6.7	---	---	---	---
20	9.4	1.1	---	---	13	6.5	16	6.5	---	---	---	---
21	9.2	2.0	---	---	10	6.0	15	6.7	---	---	---	---
22	10	1.9	---	---	12	6.4	15	7.0	---	---	---	---
23	11	3.3	---	---	13	6.4	15	6.9	---	---	---	---
24	12	5.0	---	---	13	6.5	14	7.5	---	---	---	---
25	12	5.3	---	---	13	6.1	15	6.9	---	---	---	---
26	14	5.8	---	---	12	7.1	16	7.4	---	---	---	---
27	13	6.3	---	---	14	7.1	14	8.4	---	---	---	---
28	14	7.1	---	---	13	6.3	14	8.4	---	---	---	---
29	15	7.5	---	---	12	5.8	14	8.6	---	---	---	---
30	16	8.0	---	---	12	4.6	12	8.6	---	---	---	---
31	---	---	---	---	---	---	13	7.3	---	---	---	---
MONTH	16	1.1	---	---	14	1.1	16	4.9	---	---	---	---

02225000 Altamaha River near Baxley, Ga.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	122	105	127	118	98	93	76	71	55	49	44	40
2	115	108	126	117	98	96	77	71	55	49	47	42
3	118	110	128	118	101	95	76	70	57	55	51	45
4	122	113	124	117	104	91	73	69	57	55	50	47
5	123	112	122	117	99	87	74	71	57	54	50	44
6	121	113	120	115	94	84	73	71	56	53	52	44
7	118	111	119	111	88	84	75	72	59	56	50	42
8	121	111	117	113	84	81	72	69	61	56	50	46
9	120	114	118	111	86	81	71	69	62	54	54	50
10	126	115	116	103	88	79	69	64	60	55	53	44
11	135	128	108	100	85	80	68	65	59	55	49	45
12	---	---	107	101	83	82	69	65	58	49	49	44
13	---	---	114	107	87	83	64	62	57	51	50	46
14	---	---	117	100	93	86	63	60	57	52	55	48
15	---	---	111	102	92	88	61	57	56	48	57	49
16	110	100	110	99	90	87	60	57	55	48	54	50
17	108	102	109	103	90	87	61	57	51	46	53	46
18	111	104	109	98	94	88	58	55	51	46	49	47
19	---	---	106	97	97	90	57	52	48	45	48	43
20	---	---	100	95	90	84	54	49	51	46	46	37
21	125	119	104	95	86	82	55	52	53	46	42	34
22	128	116	99	94	88	80	52	51	49	44	38	34
23	126	116	100	95	86	76	50	49	45	39	35	31
24	125	116	102	94	79	75	50	49	42	40	34	31
25	126	117	99	95	78	76	50	48	43	40	35	32
26	124	115	103	96	83	78	50	48	43	39	37	35
27	121	113	102	96	84	78	53	47	44	39	39	35
28	119	107	103	96	80	75	53	47	46	39	37	34
29	121	108	105	97	75	73	52	47	---	---	37	33
30	124	114	99	93	76	72	52	47	---	---	40	35
31	125	120	---	---	76	72	54	47	---	---	43	39
MONTH	135	100	128	93	104	72	77	47	62	39	57	71
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	44	42	50	47	80	77	83	77	62	59	83	78
2	45	43	52	44	79	73	81	76	62	57	85	81
3	43	44	51	44	75	67	85	80	62	57	85	77
4	51	44	53	46	72	64	86	82	62	59	84	80
5	52	44	57	49	73	64	87	83	64	61	85	82
6	52	45	55	44	69	62	85	81	65	61	85	81
7	53	46	56	50	70	65	86	81	66	64	82	72
8	51	48	57	53	73	67	88	84	68	65	76	72
9	51	46	56	51	77	72	89	84	69	64	74	71
10	49	47	57	44	80	71	90	85	67	62	77	74
11	48	43	55	47	74	67	89	73	67	64	78	76
12	51	45	56	47	71	65	74	68	69	63	80	74
13	51	44	56	48	73	65	70	66	64	64	77	75
14	48	45	55	47	71	64	70	65	71	65	83	78
15	49	42	55	46	71	66	73	69	71	65	86	83
16	45	42	---	---	69	60	75	72	72	65	89	86
17	45	37	---	---	66	58	74	81	72	68	95	89
18	41	34	---	---	67	60	82	70	75	72	96	83
19	39	33	---	---	69	62	73	63	77	72	95	90
20	40	35	---	---	65	62	72	67	78	75	92	88
21	43	39	62	57	69	66	73	64	81	78	98	77
22	45	41	63	57	66	65	72	67	85	74	97	76
23	45	35	64	54	71	66	71	65	88	83	77	73
24	41	35	64	58	70	67	71	67	89	88	77	72
25	41	36	65	58	74	69	73	71	89	81	90	77
26	44	38	66	61	80	73	80	75	94	85	81	74
27	45	48	70	65	84	80	86	81	104	99	74	72
28	48	49	74	69	87	76	70	68	104	98	78	72
29	45	42	75	71	80	75	71	67	104	100	77	74
30	49	41	77	71	80	74	70	68	99	81	78	75
31	---	---	78	76	---	---	67	61	85	74	---	---
MONTH	53	33	78	42	57	58	80	46	104	77	96	71

ALTAMAH RIVER BASIN

139

02225000 Altamaha River near Baxley, Ga.—Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.2	6.8	7.4	7.2	7.5	7.0	---	---	---	---	6.4	6.3
2	7.3	7.0	7.4	7.2	7.4	7.3	---	---	---	---	6.5	6.4
3	7.3	6.9	7.3	7.1	7.5	7.3	6.9	6.5	---	---	6.7	6.5
4	7.4	7.0	7.3	7.1	7.5	7.2	6.8	6.6	---	---	6.6	6.6
5	7.4	7.1	7.2	7.1	7.5	7.2	6.8	6.5	---	---	6.6	6.5
6	7.4	7.2	7.1	6.9	7.5	7.2	6.8	6.7	---	---	6.7	6.5
7	7.4	7.1	7.2	6.8	7.4	7.3	6.8	6.6	---	---	6.7	6.4
8	7.4	7.0	7.2	6.9	7.3	7.2	---	---	---	---	6.9	6.6
9	7.4	7.1	7.2	6.9	7.3	7.0	---	---	---	---	6.8	6.6
10	7.5	7.1	7.1	6.8	7.4	7.0	---	---	---	---	6.7	6.4
11	---	---	7.1	6.7	7.3	7.1	---	---	6.9	6.0	6.9	6.5
12	---	---	7.0	6.8	7.4	7.1	---	---	6.3	5.7	6.9	6.3
13	---	---	7.2	6.6	7.2	7.0	---	---	5.9	5.5	6.9	6.4
14	---	---	7.3	6.9	7.3	6.9	6.5	6.7	6.0	5.6	6.8	6.5
15	---	---	7.2	6.9	7.1	7.0	6.6	6.4	6.3	5.5	6.8	6.6
16	7.2	7.0	7.3	6.9	7.3	6.9	6.8	6.4	6.3	5.4	6.9	6.7
17	7.2	6.9	7.3	7.1	7.2	6.9	6.6	6.5	6.1	5.8	7.1	6.6
18	7.3	7.0	7.6	7.0	7.2	6.8	6.7	6.5	6.2	5.5	6.9	6.6
19	---	---	7.8	7.0	7.4	7.0	---	---	6.1	5.9	6.9	6.5
20	---	---	7.8	6.9	7.3	6.9	---	---	6.4	6.2	6.5	6.2
21	7.4	7.0	7.3	6.9	7.2	6.8	6.7	6.3	6.6	6.4	6.4	6.0
22	7.5	7.2	7.4	7.0	7.2	6.8	6.8	6.3	7.0	6.5	6.4	6.2
23	7.5	7.2	7.4	7.0	7.2	6.7	6.7	6.2	6.2	6.0	6.3	5.7
24	7.5	7.2	7.3	7.2	7.4	6.7	6.9	6.0	6.3	6.0	6.3	5.9
25	7.5	7.2	7.2	6.9	7.3	6.6	6.6	6.3	6.4	6.2	6.3	6.1
26	7.5	7.2	7.3	7.0	7.0	6.6	6.6	6.0	6.4	6.2	6.3	6.2
27	7.5	7.2	7.4	7.1	7.0	6.8	6.6	6.0	6.2	6.2	6.3	6.2
28	7.5	7.2	7.4	7.1	---	---	6.9	6.0	6.4	6.2	6.3	6.1
29	7.5	7.3	7.4	7.1	---	---	---	---	---	---	6.3	6.0
30	7.9	7.4	7.4	7.0	---	---	---	---	---	---	6.4	6.2
31	7.4	7.3	---	---	---	---	---	---	---	---	6.5	6.4
MONTH	---	---	7.8	6.6	7.5	6.6	---	---	---	---	7.1	5.7
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.5	6.5	6.7	6.5	6.6	6.5	7.3	6.9	6.7	6.6	7.1	7.0
2	6.5	6.5	6.7	6.5	6.6	6.5	7.0	6.9	6.7	6.5	7.1	7.1
3	6.5	6.5	6.7	6.5	7.1	6.6	7.0	6.9	6.7	6.5	7.1	7.0
4	6.7	6.5	6.7	6.5	7.2	6.8	7.1	7.0	6.7	6.5	7.1	7.0
5	6.7	6.5	6.7	6.5	7.1	6.8	7.1	7.0	6.7	6.6	7.2	7.0
6	6.7	6.5	6.7	6.4	7.0	6.7	7.1	6.9	6.7	6.6	7.2	7.1
7	6.7	6.6	6.6	6.4	7.1	6.8	7.1	7.0	6.7	6.7	7.2	7.1
8	6.7	6.6	6.6	6.4	7.1	6.8	7.1	7.0	6.7	6.7	7.2	7.1
9	6.5	6.5	6.6	6.4	7.0	6.8	7.1	7.0	6.8	6.7	7.2	7.1
10	6.5	6.5	6.6	6.4	7.0	6.8	7.1	7.0	6.8	6.7	7.2	7.1
11	6.5	6.4	6.7	6.3	7.0	6.9	7.1	7.0	6.8	6.7	7.2	7.2
12	6.5	6.4	6.7	6.4	7.1	6.8	7.1	6.9	6.8	6.6	7.3	7.2
13	6.5	6.4	6.6	6.3	7.2	6.7	7.0	6.9	6.8	6.6	7.3	7.2
14	6.5	6.4	6.6	6.3	7.2	6.7	7.0	6.9	6.8	6.6	7.3	7.2
15	6.5	6.4	6.6	6.3	7.2	6.8	7.1	6.9	6.8	6.6	7.4	7.3
16	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
17	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
18	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
19	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
20	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
21	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
22	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
23	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
24	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
25	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
26	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
27	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
28	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
29	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
30	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
31	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2
MONTH	6.5	6.4	6.7	6.4	7.3	6.9	7.1	6.9	6.8	6.6	7.4	7.2

ALTAMAHA RIVER BASIN

02225000 Altamaha River near Baxley, Ga.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITRE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER				NOVEMBER				DECEMBER				JANUARY				FEBRUARY				MARCH			
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
1	7.3	6.7	8.4	8.0	9.6	9.5	9.0	8.9	8.2	8.0	8.2	8.0	8.9	8.9	8.3	8.2	8.0	7.9	8.6	8.3	8.2	8.2		
2	7.7	7.2	8.3	8.0	10	9.7	9.2	8.9	10.2	10.2	9.7	9.2	9.2	9.2	8.9	8.1	8.0	8.0	8.8	8.6	8.3	8.3		
3	8.0	7.5	8.2	7.8	10.3	10.2	9.2	9.1	10.4	10.4	10.2	9.2	9.2	9.2	8.9	8.1	8.1	8.0	9.2	8.9	9.2	8.6		
4	8.4	8.0	8.1	7.8	10.3	10.2	9.2	9.0	10.4	10.4	10.2	9.2	9.2	9.2	8.9	8.4	8.4	8.1	9.2	8.9	9.2	8.9		
5	8.5	8.4	8.0	7.7	10.3	10.2	9.2	9.0	10.4	10.4	10.2	9.2	9.2	9.2	8.5	8.4	8.5	8.4	9.7	9.7	9.7	9.3		
6	8.5	8.4	7.8	7.7	10.4	10.3	9.2	9.2	10.4	10.3	10.2	9.2	9.2	9.2	8.7	8.7	8.6	8.6	9.9	9.9	9.9	9.7		
7	8.3	8.1	8.3	7.8	10.4	10.2	9.2	9.2	10.4	10.2	10.2	9.2	9.2	9.2	8.9	8.9	8.9	8.7	9.9	9.9	9.9	9.8		
8	8.1	7.9	8.5	8.2	10.2	10.1	9.2	9.2	10.2	10.1	10.1	9.2	9.2	9.2	9.2	9.2	9.2	9.0	9.7	9.7	9.7	9.8		
9	7.9	7.7	8.7	8.4	10.2	10.1	9.2	9.2	10.2	10.1	9.9	9.2	9.2	9.2	9.2	9.2	9.4	9.3	9.7	9.7	9.7	9.6		
10	7.9	7.5	8.7	8.6	10.3	10.2	9.2	9.2	10.3	10.2	9.9	9.2	9.2	9.2	9.2	9.4	9.6	9.4	9.7	9.7	9.7	9.5		
11	---	---	8.7	8.6	10.4	10.2	9.2	9.2	10.4	10.2	9.9	9.2	9.2	9.2	9.5	9.5	9.7	9.5	9.5	9.5	9.5	9.3		
12	---	---	8.6	8.5	10.3	10.2	9.2	9.2	10.3	10.2	10.1	9.2	9.2	9.2	9.3	9.0	9.6	9.4	9.3	9.0	9.3	9.0		
13	---	---	8.5	8.2	10.2	10.1	9.2	9.2	10.2	10.1	9.9	9.2	9.2	9.2	8.7	8.6	9.3	9.2	8.7	8.6	8.7	8.7		
14	---	---	8.4	8.3	10.1	9.9	9.0	8.7	10.2	10.1	9.9	9.2	9.2	9.2	8.7	8.6	9.3	9.2	8.7	8.6	8.6	8.6		
15	---	---	8.6	8.4	10.1	9.9	9.0	8.7	10.2	10.1	9.9	9.2	9.2	9.2	8.7	8.6	9.3	9.2	8.7	8.6	8.6	8.6		
16	7.6	7.4	8.8	8.6	9.9	9.8	9.3	9.0	10.4	10.4	10.4	9.2	9.2	9.2	8.9	8.7	9.2	9.1	9.2	8.9	8.9	8.7		
17	7.7	7.4	8.8	8.7	10.0	9.9	9.5	9.4	10.4	10.4	10.4	9.2	9.2	9.2	8.9	8.8	9.1	8.9	9.4	8.8	8.8	8.5		
18	7.8	7.6	8.7	8.4	10.2	10.2	9.5	9.5	10.4	10.4	10.4	9.2	9.2	9.2	8.7	8.6	9.4	8.7	8.6	8.7	8.7	8.5		
19	---	---	8.4	8.1	10.4	10.2	9.5	9.3	10.4	10.2	10.2	9.2	9.2	9.2	8.7	8.6	9.4	8.4	8.7	8.6	8.7	8.5		
20	---	---	8.2	8.1	10.4	10.3	9.4	9.2	10.4	10.3	10.3	9.2	9.2	9.2	8.4	8.3	8.4	8.3	8.7	8.6	8.6	8.5		
21	8.9	8.3	8.4	8.1	10.4	10.4	9.2	9.1	10.4	10.4	10.4	9.2	9.2	9.2	8.3	8.1	8.3	8.1	8.6	8.6	8.6	8.5		
22	9.1	8.7	8.5	8.4	10.4	10.4	9.2	9.2	10.4	10.4	10.4	9.2	9.2	9.2	8.5	8.0	8.2	8.0	8.3	8.5	8.3	8.3		
23	9.2	8.8	8.7	8.5	10.4	10.3	9.2	9.3	10.3	10.3	10.3	9.2	9.2	9.2	7.7	7.7	7.8	7.6	8.1	7.9	8.1	7.9		
24	9.2	8.9	8.8	8.6	10.3	10.2	9.2	9.2	10.2	10.2	9.9	9.2	9.2	9.2	7.7	7.7	7.7	7.6	8.1	7.9	8.1	7.8		
25	9.3	8.9	8.6	8.4	10.2	10.2	9.2	9.2	10.2	10.2	9.9	9.2	9.2	9.2	7.7	7.7	7.7	7.6	8.1	7.9	8.1	7.8		
26	9.3	9.0	8.9	8.6	9.9	9.8	9.0	8.9	9.9	9.8	9.8	9.0	8.9	8.9	7.9	7.9	7.9	7.7	7.8	7.8	7.8	7.4		
27	9.2	8.9	9.0	8.9	9.9	9.9	9.2	9.2	9.9	9.9	9.9	9.0	8.9	8.8	8.1	8.1	8.0	8.0	7.8	7.8	7.8	7.6		
28	9.1	8.7	9.2	9.1	9.8	9.7	8.8	8.6	9.7	9.7	9.7	8.8	8.6	8.6	8.2	8.0	8.0	8.0	7.8	7.8	7.8	7.7		
29	9.0	8.6	9.5	9.3	9.7	9.6	8.6	8.5	9.7	9.6	9.6	8.6	8.5	8.5	---	---	---	---	7.8	7.8	7.8	7.6		
30	8.7	8.3	9.6	9.5	9.6	9.6	8.5	8.5	9.4	9.4	9.4	8.5	8.5	8.5	7.7	7.6	7.6	7.6	7.7	7.7	7.7	7.6		
31	8.5	8.1	---	---	9.4	9.1	8.3	8.2	9.1	9.1	9.1	8.3	8.2	8.2	7.7	7.6	7.6	7.6	7.7	7.7	7.7	7.6		
MONTH	---	---	9.6	7.7	10.4	9.1	9.5	8.2	9.1	9.1	9.1	8.2	8.2	8.2	9.7	7.6	9.7	7.6	9.9	9.9	9.9	7.4		
DAY	APRIL				MAY				JUNE				JULY				AUGUST				SEPTEMBER			
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN		
1	7.8	7.7	6.7	6.5	6.6	6.5	6.9	6.7	6.6	6.6	6.5	6.9	6.9	6.7	7.7	7.5	7.7	7.5	6.6	6.6	6.5	6.5		
2	8.0	7.9	6.7	6.4	6.8	6.6	6.9	6.8	6.8	6.8	6.6	6.9	6.9	6.8	7.6	7.5	7.6	7.5	6.5	6.5	6.5	6.5		
3	8.2	8.0	5.8	6.4	6.9	6.7	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.8	7.5	7.4	7.5	7.4	6.5	6.5	6.5	6.5		
4	8.3	8.2	6.8	6.6	6.8	6.7	6.9	6.8	6.8	6.8	6.7	6.8	6.8	6.8	7.4	7.3	7.4	7.3	6.5	6.5	6.5	6.5		
5	8.5	8.4	6.7	6.5	6.9	6.8	7.0	6.9	6.8	6.8	6.8	7.0	6.9	6.9	7.3	7.1	7.3	7.1	6.5	6.5	6.5	6.4		
6	8.7	8.5	6.6	6.5	6.9	6.8	7.0	6.9	6.8	6.8	6.8	7.0	6.9	6.9	7.2	7.1	7.2	7.1	6.4	6.4	6.4	6.3		
7	8.8	8.7	7.0	6.5	6.8	6.8	7.1	7.0	6.8	6.8	6.7	7.1	7.0	7.0	7.2	7.1	7.2	7.1	6.4	6.4	6.4	6.3		
8	8.8	8.7	7.1	7.0	6.8	6.7	7.1	7.0	6.8	6.8	6.7	7.1	7.0	7.0	7.2	7.0	7.2	7.0	6.4	6.4	6.4	6.3		
9	8.7	8.6	7.1	7.1	6.8	6.6	6.7	6.6	6.8	6.8	6.6	6.7	6.7	6.7	7.2	7.0	7.2	7.0	6.4	6.4	6.4	6.3		
10	8.6	8.4	7.1	7.1	6.8	6.6	6.7	6.6	6.8	6.8	6.6	6.7	6.7	6.7	7.2	7.0	7.2	7.0	6.4	6.4	6.4	6.4		
11	8.4	8.3	7.1	7.1	6.9	6.8	7.2	7.0	6.9	6.8	6.8	7.2	7.0	7.0	7.2	7.0	7.2	7.0	6.9	6.9	6.9	6.6		
12	8.4	8.2	7.2	7.0	6.8	6.7	7.2	7.1	6.8	6.8	6.7	7.2	7.1	7.1	7.0	6.9	7.0	6.9	6.9	6.9	6.7	6.7		
13	8.3	8.2	7.0	6.9	6.7	6.6	7.1	6.9	6.7	6.6	6.6	7.1	6.9	6.9	6.9	6.8	7.0	6.9	6.8	6.8	6.7	6.7		
14	8.7	8.3	6.9	6.8	6.7	6.6	7.0	6.7	6.7	6.6	6.6	7.0	6.7	6.7	6.8	6.8	6.8	6.8	7.2	7.2	7.2	6.8		
15	8.7	8.6	6.8	6.6	6.7	6.6	6.7	6.6	6.7	6.6	6.6	6.7	6.7	6.7	6.8	6.7	6.8	6.7	7.4	7.4	7.4	7.2		
16	8.6	8.5	---	---	6.6	6.5	6.6	6.5	6.6	6.5	6.5	6.6	6.6	6.6	6.7	6.6	6.7	6.6	7.5	7.5	7.5	7.3		
17	8.5	8.4	---	---	6.6	6.5	6.6	6.5	6.6	6.5	6.5	6.6	6.6	6.6	6.7	6.6	6.7	6.6	7.5	7.5	7.5	7.3		
18	8.4	8.3	---	---	6.6	6.5	6.6	6.5	6.6	6.5	6.5	6.6	6.6	6.6	6.7	6.6	6.7	6.6	7.5	7.5	7.5	7.3		
19	8.3	8.1	---	---	6.6	6.5	6.6	6.5	6.6	6.5	6.5	6.6	6.6	6.6	6.7	6.6	6.7	6.6	7.5	7.5	7.5	7.3		
20	8.2	8.1	---	---	6.4	6.2	6.4	6.2	6.4	6.2	6.2	6.4	6.4	6.4	6.7	6.5	6.7	6.5	7.4	7.4	7.4	7.2		
21	8.1	8.0	7.1	6.2	6.3	6.1	6.9	6.8	6.3	6.1	6.1	6.9	6.8	6.8	6.5	6.5	6.5	6.5	7.3	7.3	7.3	7.1		
22	8.0	8.0	6.6	6.0	6.5	6.2	6.9	6.8	6.3	6.2	6.2	6.9	6.8	6.8	6.5	6.4	6.5	6.4	7.3	7.3	7.3	7.0		
23	8.1	7.9	6.8	6.1	6.5	6.4	6.9	6.8	6.5	6.4	6.4	6.9	6.8	6.8	6.5	6.3	6.5	6.3	7.2	7.2	7.2	6.9		
24	8.1	7.9	6.8	6.7	6.6	6.6	7.0	6.9	6.6	6.6	6.6	7.0	6.9	6.9	6.5	6.3	6.5	6.3	7.0	7.0	7.0			

02225000 Altamaha River near Baxley, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	24.0	22.5	22.0	20.0	11.5	9.5	15.0	13.5	16.5	14.5	15.0	13.5
2	23.5	21.5	22.0	20.0	9.5	8.0	14.0	12.5	17.0	15.5	14.0	12.5
3	21.5	19.5	22.0	20.0	9.5	7.5	13.0	12.0	16.0	14.0	12.5	11.5
4	19.5	18.0	22.5	20.5	9.5	7.5	13.0	12.0	14.0	12.5	11.5	10.5
5	19.5	17.5	22.5	21.0	9.5	7.5	12.5	11.5	12.5	12.0	10.5	9.5
6	20.0	18.0	22.0	20.5	9.5	8.0	12.0	11.5	13.0	12.0	11.0	9.0
7	21.0	19.0	20.5	18.5	10.5	9.5	12.0	11.0	12.0	11.0	12.0	10.0
8	21.5	19.0	18.5	17.0	12.0	10.5	12.0	11.5	11.5	10.0	12.0	11.0
9	22.0	20.0	18.0	16.0	11.5	10.0	13.5	12.0	11.0	9.5	12.0	10.5
10	21.5	20.0	17.5	15.0	10.5	9.0	14.5	13.0	10.5	9.5	13.0	11.0
11	---	---	17.5	15.5	11.0	9.5	15.5	15.0	11.5	10.0	14.0	12.5
12	---	---	17.5	16.0	12.0	10.5	16.0	15.0	12.0	10.5	15.5	14.0
13	---	---	18.0	14.5	12.5	11.5	16.5	13.5	13.0	11.0	17.5	15.0
14	---	---	18.5	13.5	12.5	10.5	13.5	11.5	13.0	11.0	18.0	16.5
15	---	---	15.5	13.5	11.5	10.5	11.5	10.0	13.5	11.5	17.0	15.5
16	23.0	20.0	14.5	12.5	11.5	10.5	10.5	9.5	14.0	12.5	16.0	15.5
17	23.0	21.0	14.5	13.0	11.0	9.5	10.0	9.0	14.5	13.5	15.5	14.5
18	22.0	20.0	18.5	14.0	9.5	8.0	9.5	8.5	15.5	13.5	15.0	14.0
19	---	---	17.0	16.0	9.0	7.5	10.0	9.0	15.5	15.0	14.0	13.5
20	---	---	17.5	16.0	9.5	8.5	10.5	9.5	15.5	14.5	14.5	12.5
21	18.5	17.5	16.0	14.5	10.0	9.0	9.5	9.0	15.0	14.0	15.0	13.0
22	18.0	16.0	15.0	13.5	10.0	8.0	9.0	8.5	14.5	14.0	15.0	14.0
23	18.0	16.0	14.5	12.5	10.0	7.5	9.0	9.0	16.5	14.5	16.0	14.5
24	18.0	16.0	15.0	13.0	10.5	9.0	9.5	9.0	16.5	15.0	16.5	15.5
25	18.0	16.0	15.0	13.5	12.5	10.5	10.5	9.5	15.5	14.5	17.0	16.0
26	18.0	16.0	13.5	12.0	12.0	11.0	11.5	10.0	15.0	14.0	16.5	16.0
27	18.5	16.0	12.5	11.0	12.0	11.0	12.0	10.0	15.0	13.5	17.0	16.0
28	19.0	17.0	12.0	10.0	12.5	11.0	12.5	11.0	14.5	13.5	17.5	16.5
29	20.0	18.0	11.0	9.5	12.5	12.0	13.5	11.5	---	---	18.0	17.0
30	20.5	19.0	12.0	10.5	14.0	12.5	14.5	13.0	---	---	18.5	17.5
31	21.5	19.5	---	---	14.5	13.0	15.5	14.0	---	---	18.0	17.0
MONTH	---	---	22.5	9.5	14.5	7.5	16.5	8.5	17.0	9.5	18.5	9.0
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.5	17.0	24.0	23.0	26.0	25.5	24.5	21.0	27.0	25.5	29.0	27.5
2	17.0	17.0	24.0	23.0	26.0	25.0	24.5	21.0	27.5	26.0	28.5	27.5
3	17.5	16.5	23.5	22.5	26.5	25.0	24.5	26.5	28.0	26.5	29.0	27.5
4	16.5	16.0	23.5	22.0	26.0	24.5	24.5	28.0	27.5	27.0	29.5	28.0
5	16.5	15.0	23.0	22.0	26.0	24.5	24.0	27.5	28.0	27.0	30.0	28.0
6	16.0	15.0	24.0	21.0	26.5	25.0	24.5	27.0	28.0	27.0	30.0	28.5
7	16.0	15.0	22.5	21.5	26.5	25.0	24.0	27.0	28.0	27.0	29.5	28.5
8	16.0	15.0	22.0	21.0	27.0	25.0	24.5	27.5	27.5	26.5	29.5	28.0
9	16.0	15.0	22.0	21.0	26.5	26.0	24.0	27.0	27.5	26.5	29.5	28.0
10	17.5	15.5	22.0	21.0	27.0	25.5	24.0	27.5	27.5	26.5	29.0	28.5
11	16.5	15.5	22.5	21.0	27.0	26.0	24.5	27.5	27.0	26.0	29.0	27.5
12	16.5	15.5	22.5	21.5	27.0	25.5	24.0	27.0	27.0	25.5	29.0	27.5
13	16.5	15.0	24.0	21.5	27.0	25.5	24.0	27.0	27.5	26.0	28.0	27.0
14	16.0	15.0	24.5	22.0	27.0	25.5	27.5	26.5	28.0	26.5	27.0	25.0
15	16.0	15.0	23.5	22.5	26.5	25.0	27.0	26.5	28.5	27.0	25.0	24.0
16	15.5	14.5	---	---	26.5	25.0	27.5	26.0	29.0	27.5	24.5	24.0
17	16.5	14.5	---	---	27.0	25.0	26.5	25.0	29.5	28.0	25.0	24.0
18	17.0	15.5	---	---	27.5	25.5	25.5	24.5	29.5	28.0	25.5	24.0
19	18.0	16.5	---	---	27.0	25.5	26.0	25.0	30.0	28.5	26.0	24.5
20	18.0	17.0	---	---	27.5	26.0	27.0	25.5	29.5	28.5	26.0	24.5
21	18.5	17.5	24.5	24.0	27.0	26.5	27.0	25.5	29.5	28.5	27.0	25.5
22	18.5	17.0	25.0	23.5	26.5	25.5	27.0	26.0	29.5	28.0	26.5	26.0
23	18.5	17.5	25.5	24.0	26.5	25.0	27.5	26.0	30.5	28.5	27.0	26.0
24	19.5	18.0	26.0	24.5	26.5	25.0	24.0	26.5	31.5	29.5	26.5	25.5
25	20.0	18.5	26.0	25.0	26.0	25.0	24.0	26.5	31.5	30.0	25.0	23.5
26	21.0	17.5	26.5	25.0	26.5	25.5	24.5	27.0	31.5	29.5	24.0	23.0
27	21.5	20.5	26.5	25.0	27.5	25.5	24.0	27.5	31.5	29.5	23.5	22.5
28	22.5	21.0	27.0	25.5	24.0	26.0	24.0	27.0	30.5	29.5	23.5	22.0
29	23.5	22.0	27.0	26.0	24.5	27.0	27.5	26.5	29.0	28.0	22.5	22.0
30	24.0	22.5	27.0	25.5	24.5	27.0	27.0	26.5	28.0	27.5	22.5	22.0
31	---	---	26.5	25.5	---	---	27.0	26.0	24.5	27.0	---	---
MONTH	24.0	14.5	27.0	21.0	28.5	24.5	27.5	24.5	31.5	25.5	30.0	22.0

ALTAMAHA RIVER BASIN

143

02225500 Ochoopee River near Reidsville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 04...	1435	142	6.7	7.5	11.9
FEB. 25...	1030	9470	6.2	12.5	7.5
MAY 13...	0940	1900	6.4	20.0	5.6
AUG. 19...	1345	534	6.4	27.0	5.7

DATE	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC. 04...	13	.08	<.02	--	.03	20
FEB. 25...	2	<.02	<.02	--	.03	8
MAY 13...	6	.04	.05	.06	.03	11
AUG. 19...	10	.07	.04	.05	.03	14

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 04...	60	40	3	.4	230	7.0
FEB. 25...	29	100	16	1.2	230	12
MAY 13...	36	100	10	.9	91	16
AUG. 19...	44	90	7	.5	91	12

ALTAMAHA RIVER BASIN

02225990 Altamaha River near Jesup, Ga.

LOCATION.--Lat 31°39'59", long 81°50'19", Wayne County, at bridge on U.S. Highways 25, 82, and 301, 5 mi (8.0 km) northeast of Jesup.

DRAINAGE AREA.--13,600 mi² (35,200 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG.					
15...	0730	11700	7.1	28.0	6.7
SFP.					
19...	0715	11700	6.6	24.0	7.1

DATE	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG.						
15...	19	.17	<.02	--	.08	20
SFP.						
19...	--	.16	.03	.04	.07	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.						
15...	66	70	25	.6	150	10
SFP.						
19...	--	--	--	--	230	10

02225990 Altamaha River near Jesup, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
31...	0930	5000	7.5	18.5	7.5
NOV.					
13...	0945	3510	7.7	15.0	8.9
DEC.					
11...	1210	6920	7.2	9.3	11.2
MAR.					
10...	1140	46400	6.7	10.0	9.5
APR.					
21...	1200	68700	6.5	17.0	8.6
JULY					
16...	0850	12100	6.9	25.0	7.0
AUG.					
11...	0915	18300	7.3	25.0	--
SEP.					
16...	0855	7760	7.1	24.0	6.8

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
31...	40	.24	.03	.04	.05	--
NOV.						
13...	35	.33	<.02	--	.05	33
DEC.						
11...	26	.35	<.02	--	.10	24
MAR.						
10...	9	.07	.14	.18	.06	14
APR.						
21...	8	.11	<.02	--	.06	12
JULY						
16...	22	.25	<.02	--	.06	23
AUG.						
11...	22	.15	.02	.03	.07	26
SEP.						
16...	27	.20	<.02	--	.06	24

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
31...	117	5	5	--	--	3.0
NOV.						
13...	114	10	7	.4	73	3.0
DEC.						
11...	85	30	20	.8	930	4.0
MAR.						
10...	47	110	35	.8	36	11
APR.						
21...	38	110	31	.8	140	10
JULY						
16...	67	40	21	--	--	6.0
AUG.						
11...	68	90	17	1.0	73	6.0
SEP.						
16...	83	50	15	--	<30	4.0

ALTAMAHA RIVER BASIN

02226000 Altamaha River at Doctortown, Ga.
(International hydrological decade station)

LOCATION.--Lat 31°39'16", long 81°49'41", Wayne County, on right bank 60 ft (18 m) downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi (7.2 km) northeast of Jesup, and at mile 64.5 (103.8 km).

DRAINAGE AREA.--13,600 mi² (35,200 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1931 to current year. Gage-height records collected at same site since 1925 are contained in reports of National Weather Service.

Chemical analyses: September 1967 to current year.

Water temperature: November 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 28.48 ft (8.68 m) above mean sea level. Prior to Dec. 5, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 13,780 ft³/s (390 m³/s), 13.76 in/yr (349.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 104,000 ft³/s (2,950 m³/s) Mar. 28, gage height, 10.71 ft (3.264 m); minimum, 2,920 ft³/s (82.7 m³/s) Nov. 4. Maximum water temperature, 29.0°C Aug. 26 to Sept. 15; minimum, 13.5°C Jan. 24-26.

Period of record: Maximum discharge, 178,000 ft³/s (5,040 m³/s) Apr. 18, 1936, gage height, 12.03 ft (3.667 m); minimum, 1,430 ft³/s (40.5 m³/s) Oct. 27, 28, Nov. 1, 1954. Maximum water temperature, 33.0°C Aug. 22-26, 1968; minimum, 5.5°C Jan. 11-16, 1970.

Maximum stage known since at least 1800, 14.6 ft (4.45 m) Jan. 23, 1925, discharge, 300,000 ft³/s (8,500 m³/s), from rating curve extended above 180,000 ft³/s (5,100 m³/s).

REMARKS.--Records good.

REVISIONS.--WSP 822: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,740	3,060	5,200	11,700	32,000	73,200	75,100	30,900	20,900	11,600	17,300	7,800
2	4,620	3,020	5,300	11,900	30,300	75,900	67,500	27,500	20,000	10,600	17,800	8,090
3	4,530	2,960	4,980	11,900	29,200	74,900	60,600	25,100	19,100	10,100	19,000	7,950
4	4,410	2,940	4,820	11,800	28,400	71,800	54,800	23,800	18,200	9,210	20,200	7,600
5	4,260	2,950	5,020	12,000	27,800	67,500	49,900	23,000	17,400	8,420	20,900	7,330
6	4,120	3,130	5,590	12,400	27,700	62,600	46,200	22,700	16,900	8,060	20,800	7,030
7	3,960	3,270	6,190	12,600	27,700	57,800	43,300	22,800	16,800	7,670	20,300	7,190
8	3,820	3,150	6,510	13,000	27,800	53,800	41,000	23,400	16,900	7,360	19,800	7,740
9	3,690	3,070	6,530	13,400	27,900	49,900	38,700	24,000	17,300	7,030	19,400	8,010
10	3,550	3,300	6,570	13,200	27,800	46,500	37,200	24,600	17,600	6,680	18,700	7,950
11	3,460	3,520	6,760	13,000	27,500	43,400	37,700	25,700	17,400	6,790	18,300	7,550
12	3,380	3,520	7,040	13,000	27,100	40,200	42,400	27,300	17,100	7,810	18,000	7,310
13	3,330	3,440	6,930	13,600	26,600	36,500	49,700	28,500	16,600	9,210	18,500	7,550
14	3,320	3,310	6,660	14,700	26,200	33,000	57,600	29,100	16,800	10,500	18,900	7,860
15	3,370	3,200	6,580	17,000	26,000	29,600	65,500	29,200	17,400	11,600	19,100	7,920
16	3,620	3,090	6,670	19,600	26,100	27,500	71,000	29,300	18,000	12,200	19,000	7,790
17	3,600	3,100	6,530	21,800	26,300	26,200	74,300	29,400	18,300	12,400	18,700	6,850
18	3,380	3,450	6,320	23,000	26,400	26,100	75,200	29,100	18,600	12,900	18,300	7,320
19	3,210	3,950	5,900	23,800	26,700	28,100	74,000	29,300	19,700	14,900	17,200	7,320
20	3,140	4,180	5,770	24,600	27,200	33,200	71,700	29,200	20,200	18,100	16,000	7,430
21	3,130	4,040	6,590	25,400	27,800	35,700	68,600	28,000	20,900	22,300	14,800	8,040
22	3,100	3,840	7,580	26,100	28,700	43,900	65,000	27,100	21,300	25,000	13,200	8,840
23	3,080	3,730	8,340	28,600	29,700	58,500	61,900	26,100	20,800	25,200	12,100	9,670
24	3,060	3,790	8,810	31,900	32,400	74,200	59,100	25,600	19,800	24,300	11,100	10,700
25	3,040	4,550	9,140	36,000	39,500	87,600	56,000	25,300	19,000	23,500	10,100	11,300
26	3,160	5,410	9,350	39,700	48,700	97,300	52,400	25,000	18,500	22,600	8,690	11,300
27	3,330	5,800	9,370	41,300	57,500	103,000	48,600	25,000	18,000	22,300	7,480	11,000
28	3,250	5,620	9,520	41,000	66,700	103,000	44,200	25,100	16,900	22,100	6,600	11,100
29	3,100	5,110	9,980	39,200	-----	98,900	39,600	24,700	15,100	21,600	6,050	11,400
30	3,080	4,890	10,500	36,700	-----	92,000	35,100	23,700	13,100	20,000	6,380	11,800
31	3,100	-----	11,000	34,300	-----	83,600	-----	22,300	-----	18,100	7,190	-----
TOTAL	109,940	112,390	221,950	688,200	883,700	1,835,4M	1,663.9M	811,800	544,600	450,140	479,890	256,740
MEAN	3,546	3,746	7,160	22,200	31,560	59,210	55,460	26,190	18,150	14,520	15,480	8,558
MAX	4,740	5,800	11,000	41,300	66,700	103,000	75,200	30,900	21,300	25,200	20,900	11,800
MIN	3,040	2,940	4,820	11,700	26,000	26,100	35,100	22,300	13,100	6,680	6,050	6,850
CFSM	.26	.28	.53	1.63	2.32	4.35	4.08	1.93	1.33	1.07	1.14	.63
IN.	.30	.31	.61	1.88	2.42	5.02	4.55	2.22	1.49	1.23	1.31	.70
CAL YR 1974	TOTAL 4,337,960	MEAN 11,880	MAX 48,500	MIN 2,940	CFSM .87	IN 11.87						
WTR YR 1975	TOTAL 8,058,650	MEAN 22,080	MAX 103,000	MIN 2,940	CFSM 1.62	IN 22.04						

ALTAMAHA RIVER BASIN

147

 02226000 Altamaha River at Doctortown, Ga.--Continued
 (International hydrologic decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)
OCT. 22...	0900	3110	--	--	--
NOV. 13...	1000	3440	89	8.7	8.7
DEC. 11...	1225	6920	72	8.5	11.0
JAN. 07...	1215	12600	60	7.6	10.0
22...	1420	22300	--	--	--
FEB. 10...	1145	27800	48	6.7	9.0
MAR. 10...	1200	46400	42	6.1	9.4
27...	0900	103000	--	--	--
APR. 02...	1030	67800	--	--	--
21...	1215	68200	48	5.5	8.7
21...	1220	68300	--	--	--
MAY 12...	1150	27200	60	--	6.8
21...	0815	28600	--	--	--
JUNE 18...	0830	18600	70	--	6.0
24...	1030	20400	--	--	--
JULY 09...	0745	7140	--	--	--
16...	0900	12100	80	5.6	6.9
AUG. 11...	0825	18300	78	6.7	5.6
20...	0945	16000	--	--	--
SEPT. 16...	0915	7750	83	6.5	6.8

DATE	DIS- SOLVED SILICA (MG/L)	TOTAL IRON (UG/L)	DIS- SOLVED IRON (UG/L)	TOTAL MANG- NESE (UG/L)	DIS- SOLVED MANG- NESE (UG/L)	DIS- SOLVED CAL- CIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (MG/L)	DIS- SOLVED PO- TAS- SIUM (MG/L)	BICAR- BONATE (MG/L)
NOV. 13...	12	680	180	82	23	11	1.5	11	2.0	46
DEC. 11...	14	--	170	--	20	8.4	1.8	9.7	2.3	34
JAN. 07...	13	1700	220	110	19	5.1	.7	7.5	2.2	24
FEB. 10...	11	--	--	--	--	4.3	1.2	5.4	1.4	15
MAR. 10...	9.3	--	--	--	--	4.4	1.1	4.8	1.4	14
APR. 21...	--	760	600	40	20	--	--	--	--	--
MAY 12...	9.5	--	--	--	--	5.3	1.3	5.0	1.1	23
JUNE 18...	11	--	--	--	--	5.6	1.4	5.0	1.6	20
JULY 16...	--	1500	350	110	40	--	--	--	--	--
AUG. 11...	--	--	770	--	40	--	--	--	--	--
SEPT. 16...	12	--	--	--	--	8.2	1.4	5.5	1.8	36

ALTAMAHA RIVER BASIN

02226000 Altamaha River at Doctortown, Ga.--Continued
(International hydrologic decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT- AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
NOV.										
13...	0	38	10	9.0	.4	.32	.03	.35	1.6	.07
DEC.										
11...	--	28	9.5	7.0	.2	.36	.46	.82	3.6	.11
JAN.										
07...	--	20	9.7	5.8	.1	.19	.33	.52	2.3	.08
FEB.										
10...	0	12	6.5	6.4	.3	.09	.32	.41	1.8	.04
MAR.										
10...	--	11	6.0	4.6	.2	.07	.32	.39	1.7	.05
APR.										
21...	--	--	--	--	--	--	--	--	--	--
MAY										
12...	--	19	6.0	4.8	.1	.17	.44	.61	2.7	.06
JUNE										
18...	--	16	4.5	4.0	.2	.22	1.2	1.4	6.3	.06
JULY										
16...	--	--	--	--	--	.26	.28	.54	2.4	.06
AUG.										
11...	--	--	--	--	--	.16	.37	.53	2.3	.05
SEP.										
16...	0	30	6.2	4.2	.3	.27	.18	.45	2.0	.05

DATE	DIS- SOLVED SOLIDS (PFS)- DUE AT 100 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TUR- BID- ITY (JTU)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.										
13...	89	34	0	10	--	--	370	--	--	4.5
DEC.										
11...	92	28	1	20	--	--	460	--	--	--
JAN.										
07...	60	16	0	20	1.5	--	370	.2	.1	3.6
FEB.										
10...	44	16	3	20	.10	.10	130	.6	.2	--
MAR.										
10...	58	16	4	30	--	--	450	--	--	--
APR.										
21...	--	--	--	--	--	--	40	--	--	23
MAY										
12...	57	19	0	25	4.2	8.1	177	3.8	.6	--
JUNE										
18...	74	20	3	20	--	--	470	--	--	--
JULY										
16...	--	--	--	--	--	--	190	--	--	5.0
AUG.										
11...	--	--	--	--	--	--	16	--	--	--
SEP.										
16...	60	26	0	15	--	--	87	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS- SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
NOV.										
13...	1	1	1	0	30	0	0	0	9	1
DEC.										
11...	1	0	--	--	--	1	--	--	--	--
JAN.										
07...	1	0	1	0	<10	1	3	3	18	5
APR.										
21...	0	0	1	1	<10	0	0	0	13	4
JULY										
16...	0	0	2	0	<10	0	1	0	6	2
AUG.										
11...	--	--	--	--	--	0	--	--	--	--

02226000 Altamaha River at Doctortown, Ga.--Continued
 (International hydrologic decade station)

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL LEAD (PPB) (UG/L)	DIS- SOLVED LEAD (PPB) (UG/L)	TOTAL MERCURY (HGG) (UG/L)	DIS- SOLVED MERCURY (HGG) (UG/L)	TOTAL SELE- NIUM (SF) (UG/L)	DIS- SOLVED SELE- NIUM (SF) (UG/L)	TOTAL ZINC (ZNI) (UG/L)	DIS- SOLVED ZINC (ZNI) (UG/L)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
OCT. 22...	--	--	--	--	--	--	--	--	11	95
NOV. 13...	14	1	.1	.1	0	0	70	0	13	125
DEC. 11...	--	--	--	--	--	--	--	30	34	635
JAN. 07...	15	1	--	>2.0	0	0	30	40	34	1160
FEB. 22...	--	--	--	--	--	--	--	--	74	4460
MAR. 10...	--	--	--	--	--	--	--	--	165	12400
APR. 10...	--	--	--	--	--	--	--	--	80	10000
MAY 02...	--	--	--	--	--	--	--	--	18	3330
JUN. 21...	9	6	--	.1	0	0	40	30	--	--
JULY 21...	--	--	--	--	--	--	--	--	20	3780
AUG. 12...	--	--	--	--	--	--	--	--	75	5510
SEP. 21...	--	--	--	--	--	--	--	--	15	1210
OCT. 18...	--	--	--	--	--	--	--	--	83	4190
NOV. 04...	--	--	--	--	--	--	--	--	29	573
DEC. 16...	38	2	.1	.1	--	0	40	8	512	16700
JAN. 11...	--	--	--	--	--	--	--	40	76	3760
FEB. 20...	--	--	--	--	--	--	--	--	34	1500
MAR. 14...	--	--	--	--	--	--	--	--	42	889

DATE	TOTAL FILT- RABLE WESIDUE (MG/L)	TOTAL NON- FILT- RABLE WESIDUE (MG/L)	DIS- SOLVED GROSS ALPHA AS (UG/L)	SUS- PENDE GROSS ALPHA AS (UG/L)	DIS- SOLVED GROSS BETA AS (PC/L)	SUS- PENDE GROSS BETA AS (PC/L)	DIS- SOLVED GROSS BETA AS (PC/L)	SUS- PENDE GROSS BETA AS (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)
MAR. 27...	41	34	.7	2.4	3.1	1.9	2.5	1.5	.04	.07
JUN. 24...	65	17	<1.2	.9	4.5	.7	4.0	.6	.02	.05

ALTAMAHA RIVER BASIN

02226000 Altamaha River at Doctortown, Ga.--Continued
(International hydrological decade station)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

ALTAMAHA RIVER BASIN

151

02226010 Altamaha River near Gardi, Ga.

LOCATION.--Lat 31°37'24", long 81°45'55", Wayne County, 6 mi (10 km) northeast of Gardi, 7 mi (11 km) downstream from Doctortown, and 9 mi (14 km) upstream from Penholoway Creek.

DRAINAGE AREA.--13,600 mi² (35,200 km²), approximately.

PERIOD OF RECORD.--November 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV. 13...	0900	--	7.6	16.5	8.0
DEC. 11...	1135	6780	7.3	9.5	10.8
MAR. 10...	1110	47400	6.7	10.0	9.4
APR. 21...	1130	69400	6.5	17.0	8.2
MAY 12...	1010	26800	6.6	21.5	7.0
JULY 16...	0825	12000	7.0	25.0	7.3
SEP. 16...	0820	7840	7.3	22.0	6.8

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
NOV. 13...	43	.36	<.02	--	.10	--
DEC. 11...	28	.33	.02	.03	.11	26
MAR. 10...	10	.07	.16	.21	.06	10
APR. 21...	8	.09	.03	.04	.06	12
MAY 12...	14	.16	<.02	--	.07	9
JULY 16...	23	.26	<.02	--	.05	21
SEP. 16...	26	.20	<.02	--	.07	18

DATE	HARDI- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 13...	37	182	45	8	1.6	150	8.0
DEC. 11...	26	115	40	17	.8	230	6.0
MAR. 10...	14	51	110	36	.6	91	14
APR. 21...	12	38	130	31	1.0	73	10
MAY 12...	18	63	80	21	.6	<30	10
JULY 16...	23	71	45	20	--	--	5.0
SEP. 16...	24	99	40	17	--	36	4.0

02226100 Penholoway Creek near Jesup, Ga.

LOCATION.--Lat 31°34'00", long 81°50'18", Wayne County, on downstream side of bridge on U.S. Highway 341, 4 mi (6.4 km) southeast of Jesup, and about 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.--210 mi² (540 km²), approximately.

PERIOD OF RECORD.--Discharge: July 1958 to current year.
Chemical analyses: January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft (5.82 m) above mean sea level. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi (4.0 km) downstream.

AVERAGE DISCHARGE.--17 years, 212 ft³/s (6.00 m³/s), 13.71 in/yr (348.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,740 ft³/s (49.3 m³/s) May 19; no flow Nov. 2-12, 23-28.
Period of record: Maximum discharge, 4,300 ft³/s (122 m³/s) Apr. 17, 1961, gage height, 14.8 ft (4.51 m); no flow at times most years.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341	.01	3.0	12	277	250	205	309	82	53	967	127
2	323	0	5.1	10	234	189	190	287	94	32	833	124
3	225	0	5.3	8.7	207	160	150	324	146	27	624	140
4	133	0	1.7	8.1	185	130	125	314	265	21	452	92
5	46	0	2.1	10	170	110	100	278	320	17	345	60
6	52	0	1.9	9.4	150	100	84	220	292	13	233	44
7	48	0	1.7	9.0	135	85	67	154	203	9.6	145	39
8	37	0	2.9	14	120	75	56	104	111	9.4	106	60
9	30	0	4.0	44	110	65	47	75	73	7.2	95	55
10	23	0	3.6	63	100	55	56	62	74	4.5	83	60
11	17	0	3.9	78	91	50	152	51	60	7.7	88	74
12	13	0	5.7	99	84	45	230	45	101	59	118	87
13	4.4	.01	8.4	143	81	40	300	40	251	84	116	102
14	7.4	.02	8.5	205	72	37	370	49	367	64	102	126
15	5.7	.16	9.4	236	67	35	738	70	351	65	90	126
16	5.2	.06	19	231	62	80	800	130	261	96	68	100
17	6.0	.04	22	199	58	178	780	770	147	171	51	77
18	5.0	.06	24	155	54	254	710	1,570	87	206	44	104
19	3.7	.04	27	121	53	436	570	1,740	72	247	36	154
20	2.9	.07	26	189	56	659	446	1,450	75	325	29	191
21	2.8	.02	32	279	53	760	371	987	105	361	27	193
22	2.3	.01	31	345	53	738	311	718	138	348	26	218
23	1.6	0	32	389	65	627	252	474	188	314	22	217
24	1.0	0	36	419	109	506	195	350	168	263	17	206
25	.55	0	34	441	208	426	153	238	102	207	11	203
26	.40	0	28	466	263	370	134	166	62	173	7.0	199
27	.30	0	22	471	296	335	274	176	41	194	4.7	183
28	.11	0	19	449	285	305	303	138	40	328	4.0	153
29	.02	.01	16	414	-----	240	184	105	46	565	10	126
30	.01	.38	14	370	-----	250	277	80	40	786	60	108
31	.01	-----	12	325	-----	230	-----	64	-----	953	107	-----
TOTAL	1,442.40	.89	461.2	6,212.2	3,698	7,860	8,630	11,538	4,362	6,010.4	4,920.7	3,748
MEAN	46.5	.030	14.9	200	132	254	288	372	145	194	159	125
MAX	341	.38	36	471	296	760	800	1,740	367	953	967	218
MIN	.01	0	1.7	8.1	53	35	47	40	40	4.5	4.0	39
CFSM	.22	.0001	.07	.95	.63	1.21	1.37	1.77	.69	.92	.76	.60
IN	.26	0	.08	1.10	.66	1.39	1.53	2.04	.77	1.06	.87	.66

CAL YR 1974 TOTAL 50,475.19 MEAN 138 MAX 8,100 MIN 0 CFSM .66 IN 8.94
WTR YR 1975 TOTAL 58,883.79 MEAN 161 MAX 1,740 MIN 0 CFSM .77 IN 10.43

02226100 Penholoway Creek near Jesup, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUNE 19...	0700	75	45	4.1	24.5	5.7

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	DIS- SOLVED RICAL- MONATE (HCO3) (MG/L)	DIS- SOLVED CAR- MONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)
JUNE 19...	6.2	500	1200	3	.5	.4	3.0	.3	0	0	0

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUNE 19...	10	6.4	.1	.00	.00	.01	.03	.01	.01	.09	.09

DATE	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO4) (MG/L)	DIS- SOLVED ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA,MG) (MG/L)
JUNE 19...	.12	1.2	1.3	1.3	5.8	.03	.01	.00	.00	94	3

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 19...	3	400	39	0	0	3	0	3	.0	0	70

ALTAMAHA RIVER BASIN

02226160 Altamaha River near Everett City, Ga.

LOCATION.--Lat 31°25'37", long 81°36'20", Glynn County, at Seaboard Coast Line Railroad bridge, 3 mi (5 km) northeast of Everett City, and 15 mi (24 km) northwest of Brunswick.

DRAINAGE AREA.--14,000 mi² (36,300 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1969 to current year.

Water temperature: October 1969 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY					
16...	1430	5660	7.4	29.8	7.9
AUG.					
15...	0730	10700	6.7	26.7	6.1
SEP.					
11...	1700	10600	7.4	25.0	5.5

DATE	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA.MG) (MG/L)
JULY					
16...	32	<.02	<.02	.09	28
AUG.					
15...	19	.18	<.02	.07	20
SEP.					
11...	18	.14	<.02	.08	20

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY						
16...	140	40	21	1.5	36	6.0
AUG.						
15...	100	110	18	1.0	430	13
SEP.						
11...	88	154	15	.6	36	12

02226160 Altamaha River near Everett City, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
FEB. 20...	1800	26800	6.5	15.8	7.6
MAY 06...	1600	22900	6.3	22.1	6.3
JUNE 05...	0815	18400	6.7	25.0	5.3
JULY 17...	1500	12400	6.6	26.2	6.2
AUG. 12...	0730	18400	6.4	25.6	5.7
SEP. 11...	0730	8020	6.8	27.2	6.1

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
FEB. 20...	12	--	--	--	.06	16
MAY 06...	16	.17	.04	.05	.06	20
JUNE 05...	25	.21	<.02	--	.08	24
JULY 17...	22	.23	.19	.24	.07	24
AUG. 12...	22	.12	<.02	--	.07	22
SEP. 11...	27	.32	.12	.15	.06	27

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB. 20...	72	80	22	.5	91	10
MAY 06...	69	80	20	.6	430	10
JUNE 05...	81	105	21	.6	750	9.0
JULY 17...	72	40	22	.7	150	8.0
AUG. 12...	79	80	15	.3	91	7.0
SEP. 11...	79	65	18	.5	930	8.0

ALTAMAHA RIVER BASIN

02226160 Altamaha River near Everett City, Ga.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	141	134	208	200	162	152	86	81	---	---	58	51
2	144	130	221	202	163	159	90	85	---	---	59	54
3	150	140	225	216	160	141	89	79	---	---	---	---
4	154	147	226	204	157	146	88	84	---	---	---	---
5	161	151	207	198	163	153	90	85	---	---	---	---
6	164	153	235	201	164	155	86	83	---	---	---	---
7	172	161	239	231	161	148	89	81	---	---	---	---
8	173	154	236	203	148	139	85	82	---	---	---	---
9	176	167	207	199	145	137	84	77	---	---	---	---
10	183	175	206	196	148	136	84	78	---	---	---	---
11	186	166	220	202	147	133	80	78	---	---	---	---
12	189	171	223	208	132	127	80	75	---	---	63	57
13	198	189	226	209	137	131	80	75	---	---	64	57
14	206	194	209	194	145	135	82	74	---	---	70	61
15	208	176	219	198	145	135	81	72	---	---	72	64
16	181	174	226	217	144	131	79	67	---	---	70	67
17	206	181	227	211	148	140	75	67	---	---	70	64
18	213	180	227	210	152	143	70	63	---	---	71	69
19	185	171	226	216	---	---	67	62	---	---	71	68
20	175	150	213	202	---	---	69	62	70	67	---	---
21	183	160	203	189	---	---	68	57	71	65	67	48
22	216	193	193	167	---	---	65	59	68	63	74	54
23	209	202	184	165	---	---	62	60	71	60	69	44
24	212	203	188	179	---	---	60	54	68	63	67	46
25	216	205	189	170	---	---	57	53	67	61	65	57
26	217	206	179	167	---	---	57	48	68	63	---	---
27	219	207	177	165	92	87	56	50	64	53	---	---
28	216	198	165	148	91	87	58	48	62	50	---	---
29	207	197	155	136	92	90	57	49	---	---	---	---
30	209	201	151	136	90	83	61	56	---	---	---	---
31	209	201	---	---	87	80	---	---	---	---	---	---
MONTH	219	130	239	136	---	---	90	48	---	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	62	55	79	67	---	---	74	58	---	---
2	---	---	65	58	82	70	---	---	75	67	---	---
3	---	---	66	62	86	75	---	---	75	65	---	---
4	---	---	70	65	88	73	---	---	73	64	96	86
5	---	---	76	63	85	76	---	---	70	62	96	87
6	---	---	78	69	83	74	---	---	71	63	---	---
7	---	---	79	71	81	76	---	---	73	65	---	---
8	53	47	80	72	83	75	91	85	75	67	---	---
9	55	47	80	71	84	77	88	83	76	70	---	---
10	54	52	79	70	82	72	93	87	77	70	---	---
11	55	49	76	68	78	72	96	91	79	73	---	---
12	58	50	78	71	81	73	96	91	80	74	---	---
13	59	47	74	65	81	74	---	---	83	76	---	---
14	55	51	72	65	83	72	---	---	84	75	---	---
15	55	49	71	65	80	72	---	---	84	74	---	---
16	57	49	74	63	80	72	---	---	84	75	---	---
17	56	46	71	60	81	72	74	69	83	75	103	86
18	54	44	70	62	80	74	74	69	84	76	106	99
19	50	43	70	61	78	70	73	67	84	77	109	102
20	52	44	69	62	77	68	70	60	86	80	109	101
21	51	43	69	62	78	73	65	56	87	80	109	102
22	51	43	72	57	78	73	60	51	90	82	108	101
23	52	44	70	60	77	71	56	47	92	85	107	100
24	53	44	71	60	79	75	56	48	96	88	107	97
25	53	44	71	61	79	73	57	52	99	91	101	93
26	55	45	73	62	76	72	62	56	101	94	100	90
27	56	48	76	62	78	74	63	58	107	100	---	---
28	58	50	77	68	81	72	66	59	113	107	---	---
29	60	53	78	67	79	73	68	61	---	---	---	---
30	61	54	81	68	84	77	69	67	---	---	---	---
31	---	---	78	70	---	---	72	65	---	---	---	---
MONTH	---	---	81	55	88	67	---	---	113	62	---	---

02226160 Altamaha River near Everett City, Ga.--Continued

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.5	6.7	7.8	7.0	7.6	7.4	5.8	6.1	---	---	6.4	6.1
2	7.2	6.8	7.6	7.1	7.6	7.5	6.7	6.5	---	---	6.4	6.3
3	7.8	7.2	7.6	6.9	7.8	7.2	6.8	6.1	---	---	---	---
4	7.4	7.3	7.5	7.0	7.8	7.1	---	---	---	---	---	---
5	7.7	7.3	7.5	6.9	7.8	7.1	7.0	6.4	---	---	---	---
6	7.6	7.3	7.6	7.0	7.8	7.2	7.1	5.4	---	---	---	---
7	7.5	7.0	7.4	7.2	7.4	7.6	6.4	6.1	---	---	---	---
8	7.6	7.2	7.7	7.2	7.7	7.0	7.2	5.8	---	---	---	---
9	7.6	7.2	7.0	7.2	7.6	7.2	---	---	---	---	---	---
10	7.6	7.2	7.8	7.1	7.8	7.1	---	---	---	---	---	---
11	7.8	7.0	7.8	6.6	7.8	7.1	---	---	---	---	---	---
12	7.7	7.0	7.5	7.2	7.4	7.2	7.2	6.3	---	---	6.8	5.9
13	7.7	7.0	7.6	7.3	7.8	7.0	7.0	6.2	---	---	6.4	6.4
14	7.6	6.8	5.0	7.1	7.8	7.1	6.5	6.2	---	---	6.8	6.6
15	7.7	6.9	7.7	7.2	---	---	6.6	6.0	---	---	7.0	6.6
16	7.6	6.9	7.7	7.2	---	---	6.5	5.4	---	---	7.3	6.6
17	7.7	7.3	7.8	7.1	7.4	7.2	6.8	6.2	---	---	7.4	6.5
18	7.7	7.2	7.9	7.1	7.7	7.2	7.0	5.9	---	---	7.4	6.6
19	7.7	7.4	7.0	7.4	---	---	---	---	---	---	7.4	6.5
20	7.3	7.4	7.4	7.1	---	---	7.2	6.5	6.8	6.6	---	---
21	7.8	7.5	7.7	7.3	---	---	6.9	6.0	7.1	6.1	---	---
22	7.8	7.5	7.8	7.1	---	---	7.0	6.3	6.7	6.1	---	---
23	7.9	7.1	7.7	7.1	---	---	7.0	6.7	6.5	6.1	---	---
24	7.8	7.1	7.4	6.4	---	---	---	---	6.7	6.3	---	---
25	7.9	7.0	7.8	7.0	---	---	7.2	6.6	---	---	---	---
26	7.9	6.8	7.7	7.4	---	---	7.0	5.6	---	---	---	---
27	7.4	6.8	7.6	7.2	6.7	6.2	7.1	5.6	6.7	5.6	---	---
28	7.8	6.9	7.8	7.1	---	---	6.8	5.9	6.9	5.6	---	---
29	7.7	6.9	7.6	7.1	---	---	6.3	5.8	---	---	---	---
30	8.0	7.1	7.8	7.0	6.4	6.1	6.5	6.2	---	---	---	---
31	7.7	7.2	---	---	6.4	6.0	---	---	---	---	---	---
MONTH	8.0	6.7	8.0	6.6	---	---	---	---	---	---	---	---
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	6.7	6.0	6.7	6.3	---	---	6.3	5.4	---	---
2	---	---	6.7	6.2	6.7	6.4	---	---	6.3	5.7	---	---
3	---	---	6.8	6.4	6.4	6.3	---	---	6.4	5.7	6.7	6.5
4	---	---	6.8	6.4	7.0	6.1	---	---	6.4	5.7	7.1	6.5
5	---	---	6.4	6.4	6.5	6.1	---	---	6.4	5.8	7.1	6.7
6	---	---	7.0	6.3	6.8	6.1	---	---	6.3	5.8	---	---
7	---	---	6.4	6.4	6.7	6.3	---	---	6.4	5.8	---	---
8	6.8	6.0	6.8	6.3	6.8	6.0	7.1	6.8	6.4	5.8	---	---
9	6.5	6.0	6.6	6.0	6.8	6.4	7.2	6.4	6.4	5.0	---	---
10	6.5	6.0	6.7	6.5	6.8	6.1	7.3	6.8	6.4	5.8	---	---
11	6.6	6.1	6.4	6.5	6.7	6.2	7.3	7.1	6.4	6.0	---	---
12	7.0	6.5	7.0	6.2	6.8	6.2	7.3	7.2	6.6	6.2	---	---
13	7.1	6.4	6.8	6.2	6.8	6.3	---	---	6.6	6.1	---	---
14	6.7	6.2	6.8	6.4	6.4	6.1	---	---	6.6	5.4	---	---
15	6.8	6.3	6.7	6.4	6.8	6.3	---	---	6.7	5.4	---	---
16	6.4	6.5	6.8	6.2	6.8	6.2	---	---	6.7	6.0	---	---
17	6.4	6.0	6.8	6.3	6.8	6.2	6.8	6.6	6.6	5.4	7.0	6.5
18	6.4	5.4	6.7	6.3	6.8	5.4	6.8	6.5	6.6	6.0	7.0	6.5
19	6.5	5.4	6.7	6.0	6.8	6.0	6.4	6.4	6.6	6.1	6.8	6.3
20	6.5	5.3	6.7	6.1	6.8	5.4	6.7	6.1	6.6	6.3	6.8	6.4
21	6.7	6.4	6.7	6.0	6.5	6.3	6.6	6.1	6.7	6.1	6.8	6.2
22	6.6	6.2	6.4	6.1	6.6	6.4	5.5	5.4	6.7	5.0	6.8	6.5
23	6.7	6.3	6.4	6.0	6.7	6.4	5.3	5.7	6.7	6.4	6.4	6.4
24	6.7	6.0	6.4	5.8	6.7	6.4	6.3	5.7	6.7	6.0	6.4	6.6
25	6.7	6.0	6.8	5.8	6.7	6.5	6.3	5.7	6.8	6.1	6.4	6.6
26	6.7	6.1	6.8	5.8	6.5	6.4	6.3	5.4	6.8	6.2	7.0	6.5
27	6.7	6.0	6.8	6.2	6.5	6.3	6.3	6.0	6.4	6.3	---	---
28	6.7	5.4	6.4	6.3	6.7	6.0	6.4	6.0	7.0	6.7	---	---
29	6.7	5.4	6.4	6.4	6.7	6.3	6.3	5.8	---	---	---	---
30	6.7	6.0	6.7	6.2	6.7	6.2	6.3	6.1	---	---	---	---
31	---	---	6.4	6.3	---	---	6.3	5.8	---	---	---	---
MONTH	---	---	7.0	5.8	7.0	5.4	---	---	7.0	5.7	---	---

ALTAMAHA RIVER BASIN

02226160 Altamaha River near Everett City, Ga.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITRE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.9	5.8	7.9	7.6	9.9	9.0	9.1	8.3	---	---	8.6	7.2
2	6.7	5.8	7.7	7.3	10.3	9.3	8.7	7.9	---	---	8.0	7.3
3	6.9	6.5	7.5	7.1	11.1	9.7	8.9	8.2	---	---	---	---
4	7.4	6.9	7.3	7.0	11.1	9.8	8.6	8.3	---	---	---	---
5	7.6	7.4	7.1	7.0	11.2	9.8	8.6	7.7	---	---	---	---
6	7.8	7.4	7.0	6.2	11.4	9.9	8.7	8.3	---	---	---	---
7	7.6	7.3	6.8	6.5	11.4	10.1	9.6	8.1	---	---	---	---
8	7.6	7.3	7.2	6.6	10.5	9.8	8.8	8.2	---	---	---	---
9	7.3	7.0	7.4	6.8	10.0	9.7	8.6	8.0	---	---	---	---
10	7.0	6.9	7.4	7.2	10.9	9.6	8.1	7.7	---	---	---	---
11	7.1	6.7	7.4	7.0	10.2	9.6	7.7	7.0	---	---	---	---
12	7.1	6.8	7.4	5.7	10.7	9.7	6.9	6.7	---	---	8.4	8.1
13	6.9	6.7	7.8	5.8	10.4	9.7	6.8	6.5	---	---	8.4	7.7
14	6.8	6.5	8.2	7.8	9.8	9.2	7.7	6.5	---	---	7.9	7.3
15	7.2	6.6	8.3	8.0	10.3	9.3	9.0	7.4	---	---	7.6	7.2
16	7.5	7.0	8.2	8.1	10.2	9.4	8.7	8.2	---	---	7.7	7.3
17	7.3	7.0	8.5	8.1	9.6	8.8	8.5	8.4	---	---	7.5	7.3
18	7.4	7.0	8.6	7.7	10.1	8.8	8.5	8.3	---	---	7.4	7.2
19	7.7	7.3	8.2	8.0	---	---	8.6	8.2	---	---	7.3	6.9
20	8.0	7.6	8.2	7.8	---	---	8.5	8.3	7.7	7.5	---	---
21	8.4	7.8	8.2	7.7	---	---	8.6	8.3	8.1	7.7	8.7	8.4
22	8.3	8.0	8.3	8.1	---	---	8.9	8.6	8.4	8.2	8.5	8.0
23	8.4	8.2	8.4	8.2	---	---	8.9	8.7	8.4	8.1	8.1	7.6
24	8.5	8.2	8.3	8.2	---	---	9.0	8.7	8.1	7.5	7.5	6.8
25	8.5	8.3	8.6	8.0	---	---	8.8	8.6	8.7	7.3	7.7	6.8
26	8.4	8.2	9.4	7.9	---	---	8.7	8.5	8.4	7.8	---	---
27	8.3	8.1	9.4	8.3	10.5	9.5	8.7	8.5	8.1	7.3	---	---
28	8.2	8.0	9.7	8.7	10.6	9.6	8.7	8.1	8.0	7.1	---	---
29	8.2	8.0	9.7	9.1	10.2	9.8	8.4	7.9	---	---	---	---
30	8.2	8.0	9.9	9.5	9.7	9.4	8.0	7.5	---	---	---	---
31	8.0	7.8	---	---	9.5	9.0	---	---	---	---	---	---
MONTH	8.5	5.8	9.9	5.7	---	---	9.6	6.5	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	7.1	6.3	5.4	5.0	---	---	6.1	5.9	---	---
2	---	---	6.4	5.5	5.4	5.3	---	---	6.2	5.9	---	---
3	---	---	6.4	5.9	5.7	5.2	---	---	6.2	5.9	5.4	4.7
4	---	---	6.2	5.7	5.8	5.4	---	---	6.3	5.9	5.8	5.4
5	---	---	6.3	5.8	5.9	5.6	---	---	6.4	5.8	5.7	5.5
6	---	---	6.4	6.2	5.8	5.6	---	---	6.1	5.9	---	---
7	---	---	6.5	6.3	5.7	5.5	---	---	6.2	5.9	---	---
8	8.6	8.3	6.5	6.2	5.8	5.5	7.2	6.9	6.4	6.1	---	---
9	8.7	8.1	6.5	6.3	5.8	5.6	7.2	6.5	6.6	6.3	---	---
10	8.4	8.1	6.5	6.2	5.8	5.5	6.6	5.8	6.6	6.3	---	---
11	8.6	8.0	6.5	6.3	6.0	5.5	6.3	5.8	6.4	6.2	---	---
12	8.6	7.9	6.7	6.4	6.1	5.6	5.4	5.2	6.2	5.2	---	---
13	8.7	8.3	6.6	6.1	5.8	5.5	---	---	5.7	5.1	---	---
14	8.4	8.0	6.3	5.9	5.7	5.4	---	---	5.5	5.2	---	---
15	8.7	8.2	6.0	5.6	5.6	5.2	---	---	5.6	5.2	---	---
16	8.4	8.0	5.7	5.4	5.3	4.8	---	---	5.6	5.2	---	---
17	8.5	7.9	5.7	5.3	4.9	4.6	6.3	6.0	5.5	5.0	6.8	6.4
18	8.5	7.4	5.8	5.3	5.0	4.6	6.3	5.9	5.4	5.0	6.9	6.4
19	8.1	7.6	6.0	5.5	5.5	5.0	6.1	5.9	5.6	5.2	6.5	6.2
20	7.4	7.3	5.9	5.5	5.1	4.8	6.1	5.8	5.8	5.4	6.3	6.2
21	7.4	7.5	6.2	5.5	5.6	5.0	6.0	5.8	5.8	5.6	6.4	6.0
22	7.7	7.4	6.1	5.8	5.8	5.5	6.0	5.7	5.8	5.5	6.5	6.1
23	8.2	7.5	5.9	5.6	6.1	5.7	6.0	5.6	5.8	5.3	6.3	6.0
24	8.1	7.6	5.9	5.6	6.5	6.1	5.9	5.6	5.6	5.2	6.2	5.9
25	7.3	7.2	5.0	5.7	6.5	6.1	5.8	5.5	5.6	5.3	6.5	5.8
26	7.5	6.9	6.0	5.7	6.5	5.6	5.9	5.6	5.7	5.4	6.8	6.1
27	7.5	6.9	6.1	5.8	6.1	5.6	5.9	5.5	5.7	5.4	---	---
28	7.4	6.7	6.1	4.9	6.2	5.8	5.8	5.4	5.6	5.2	---	---
29	7.0	6.2	5.5	4.9	6.4	5.7	5.9	5.3	---	---	---	---
30	7.1	6.0	5.4	4.9	6.1	5.1	6.0	5.8	---	---	---	---
31	---	---	5.3	4.9	---	---	6.1	5.8	---	---	---	---
MONTH	---	---	7.1	4.9	6.5	4.6	---	---	6.6	5.0	---	---

02226160 Altamaha River near Everett City, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	25.0	23.0	21.5	20.0	13.0	10.0	15.5	14.0	---	---	15.5	14.0
2	24.0	23.0	22.0	20.5	10.5	9.5	15.0	13.5	---	---	15.0	13.5
3	23.0	21.0	22.0	20.0	10.0	8.5	13.5	12.5	---	---	---	---
4	21.0	20.0	22.0	20.5	10.0	7.5	13.5	13.0	---	---	---	---
5	20.0	19.0	22.5	21.0	9.5	8.0	13.0	12.5	---	---	---	---
6	19.5	19.0	22.5	21.5	9.5	9.0	12.5	12.0	---	---	---	---
7	21.0	19.5	21.5	20.0	10.5	8.5	12.5	11.5	---	---	---	---
8	22.0	20.0	20.0	18.5	11.0	10.0	12.0	11.5	---	---	---	---
9	22.0	20.5	18.5	17.5	11.0	9.5	14.5	12.0	---	---	---	---
10	22.0	21.0	17.5	16.5	11.0	8.5	15.0	13.5	---	---	---	---
11	22.0	21.0	17.5	16.5	10.5	9.0	15.5	14.5	---	---	---	---
12	22.5	21.0	18.0	16.5	11.0	9.0	16.5	15.0	---	---	16.0	14.5
13	22.5	21.5	16.5	15.5	11.5	10.0	16.5	15.0	---	---	17.0	15.0
14	23.0	22.0	15.5	14.0	11.5	9.5	15.0	11.5	---	---	17.5	16.5
15	24.0	22.0	15.5	14.5	12.0	10.0	11.5	10.0	---	---	16.5	15.5
16	23.5	22.5	15.5	13.5	12.0	11.0	11.5	10.0	---	---	16.0	15.5
17	23.0	22.0	15.5	14.5	11.5	10.0	11.5	10.0	---	---	16.0	15.0
18	23.0	21.0	16.5	15.0	10.5	9.0	12.0	11.0	---	---	15.5	15.5
19	22.5	21.5	16.5	16.0	---	---	12.0	10.5	---	---	15.5	15.0
20	21.5	20.0	17.5	16.5	---	---	12.5	12.0	16.0	15.5	---	---
21	20.5	19.5	16.5	15.0	---	---	12.0	11.0	15.5	14.5	16.5	15.0
22	19.5	18.0	15.5	14.0	---	---	11.0	10.5	15.0	14.5	16.5	15.5
23	19.0	18.0	15.0	13.5	---	---	11.0	10.0	16.0	15.0	17.0	16.0
24	19.0	17.5	15.5	14.0	---	---	11.5	10.0	16.0	14.5	18.0	17.0
25	19.0	17.5	16.0	14.5	---	---	12.0	11.0	15.0	14.0	18.0	17.0
26	19.5	18.0	14.5	13.5	---	---	12.5	11.5	14.5	14.0	---	---
27	19.5	18.0	13.5	12.5	12.5	12.0	12.5	11.5	15.0	13.5	---	---
28	20.0	18.5	13.0	12.0	13.0	12.5	13.0	12.0	15.0	14.0	---	---
29	20.0	19.0	12.0	11.0	14.0	13.0	13.5	12.5	---	---	---	---
30	20.5	19.0	12.5	11.5	14.5	13.5	13.5	13.5	---	---	---	---
31	21.0	19.5	---	---	15.0	14.0	---	---	---	---	---	---
MONTH	25.0	17.5	22.5	11.0	---	---	16.5	10.0	---	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	23.0	21.5	26.0	25.5	---	---	26.5	25.5	---	---
2	---	---	23.0	22.0	25.5	25.0	---	---	27.0	26.0	---	---
3	---	---	22.5	22.0	26.0	25.0	---	---	27.5	26.0	28.5	28.0
4	---	---	22.5	21.5	26.0	25.0	---	---	27.5	26.5	29.5	27.5
5	---	---	22.0	21.5	26.0	25.0	---	---	27.0	26.0	29.0	28.0
6	---	---	22.0	21.0	26.5	25.5	---	---	27.0	26.0	---	---
7	---	---	22.0	21.5	27.0	26.0	---	---	27.0	26.0	---	---
8	16.5	16.0	22.5	21.5	27.5	26.0	28.0	27.0	26.5	26.0	---	---
9	16.5	16.0	22.5	21.5	26.5	26.0	28.5	27.0	26.5	25.5	---	---
10	16.5	16.0	22.5	21.5	27.0	25.5	29.0	27.0	26.5	26.0	---	---
11	17.0	16.5	22.5	21.5	27.0	26.0	28.5	27.5	26.5	25.5	---	---
12	17.0	16.5	22.5	21.0	27.0	26.0	28.0	27.0	26.5	25.5	---	---
13	17.0	16.0	22.5	21.5	27.0	26.0	---	---	27.0	26.0	---	---
14	16.5	16.0	22.5	22.0	27.0	26.0	---	---	27.5	26.5	---	---
15	17.0	16.0	23.0	22.0	26.5	26.0	---	---	27.5	26.5	---	---
16	17.0	15.5	23.5	22.5	27.0	25.5	---	---	27.5	27.0	---	---
17	17.5	15.5	23.5	22.5	27.0	25.5	26.5	26.0	28.0	27.0	25.5	24.5
18	18.0	16.0	23.5	22.5	28.5	26.0	26.5	25.5	28.0	27.0	25.0	24.5
19	18.5	17.0	24.0	22.5	28.0	26.0	26.0	25.5	29.0	27.5	26.0	25.0
20	18.0	17.0	24.0	23.0	27.5	26.0	26.5	25.5	28.5	28.0	26.0	25.0
21	18.5	16.5	24.5	23.5	27.5	26.5	26.5	25.5	28.5	27.5	26.0	25.5
22	18.5	16.5	24.5	23.0	26.5	26.0	26.0	25.5	29.0	27.5	26.5	25.0
23	19.0	17.5	25.0	23.5	26.0	25.5	26.5	25.5	29.0	27.5	26.5	25.5
24	19.5	17.5	25.5	24.0	26.0	25.0	27.0	26.0	29.0	28.0	26.0	25.5
25	20.0	18.0	26.0	24.5	25.5	25.0	27.0	26.0	29.5	28.0	25.5	24.5
26	20.5	19.0	26.0	25.0	25.5	25.0	27.0	26.5	29.5	28.5	24.5	24.0
27	21.0	19.5	26.0	25.0	26.0	25.0	26.5	26.5	29.5	29.0	---	---
28	21.5	20.0	26.0	25.0	27.0	25.5	26.5	26.0	29.5	28.5	---	---
29	22.0	20.5	26.0	25.0	27.0	26.0	26.5	25.5	---	---	---	---
30	22.5	21.0	26.5	25.5	27.5	26.0	26.5	25.5	---	---	---	---
31	---	---	26.0	25.5	---	---	26.0	25.0	---	---	---	---
MONTH	---	---	26.5	21.0	28.5	25.0	---	---	29.5	25.5	---	---

ALTAMAHA RIVER BASIN

Reservoirs in Altamaha River basin

02210000. LLOYD SHOALS RESERVOIR.--Lat 33°19'13", long 83°50'20", Butts County, on Ocmulgee River, 1 mi (1.6 km) upstream from bridge on State Highway 16, and 7 mi (11.3 km) east of Jackson. Drainage area, 1,400 mi² (3,626 km²). Period of record, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) (160.9 and 160.0 m) is equipped with flashboards 308.5 ft (94.0 m) wide by 2 ft (.61 m) high and 420 ft (128.0 m) wide by 5 ft (1.52 m) high. Dam completed in 1910. Total capacity at elevation 530.0 ft (161.5 m) (top of flashboards) is 107,000 acre-ft (132 hm³), of which 78,000 acre-ft (96.2 hm³) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

02222500. SINCLAIR RESERVOIR.--Lat 33°08'27", long 83°12'08", Baldwin County, on Oconee River, 1.5 mi (2.4 km) upstream from Georgia Railroad bridge, and 4 mi (6.4 km) north of Milledgeville. Drainage area, 2,900 mi² (7,511 km²). Period of record, October 1952 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) (97.2 m) is equipped with 24 gates 30 ft wide by 21 ft high (9.14 m by 6.40 m). Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft (103.6 m), top of gates, is 334,000 acre-ft (412 hm³), of which 214,600 acre-ft (265 hm³) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)†	Contents (acre- feet)	Change in contents (acre-feet)	Elevation (feet)†	Contents (acre- feet)	Change in contents (acre-feet)
	02210000 Lloyd Shoals Reservoir			02222500 Sinclair Reservoir		
Sept.30.....	524.6	83,400	-	336.8	287,200	-
Oct. 31.....	524.9	84,600	+1,200	337.6	298,400	+11,200
Nov. 30.....	526.5	91,000	+6,400	336.4	281,600	-16,800
Dec. 31.....	529.5	104,000	+13,000	337.1	291,400	+9,800
CAL YR 1974.....	-	-	+4,200	-	-	+15,400
Jan. 31.....	527.1	93,400	-10,600	338.7	314,500	+23,100
Feb. 28.....	529.6	105,000	+11,600	339.6	328,000	+13,500
Mar. 31.....	529.4	104,000	-1,000	338.7	314,500	-13,500
Apr. 30.....	529.5	104,000	0	338.5	311,500	-3,000
May 31.....	530.0	107,000	+3,000	339.8	331,000	+19,500
June 30.....	529.5	104,000	-3,000	339.4	325,000	-6,000
July 31.....	529.5	104,000	0	339.5	326,500	+1,500
Aug. 31.....	529.7	106,000	+2,000	338.7	314,500	-12,000
Sept.30.....	524.3	82,200	-23,800	338.4	310,000	-4,500
WTR YR 1975.....	-	-	-1,200	-	-	+22,800

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

02226475 Satilla River at Walerstown, Ga.

- **LOCATION.**--Lat 31°18'17", long 82°23'33", Ware County, at county highway bridge at Walerstown, and 6 mi (10 km) north of Waycross.**PERIOD OF RECORD.**--August 1973 to current year.**REMARKS.**--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 15...	1015	1430	4.8	26.0	6.7
SEP. 19...	1415	3740	4.6	23.0	6.7

DATE	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
AUG. 15...	<.02	<.02	.05	8
SEP. 19...	<.02	<.02	.07	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 15...	42	160	4	1.1	36	32
SEP. 19...	39	320	4	1.2	36	37

SATILLA RIVER BASIN

02226475 Satilla River at Walbertown, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
31...	1300	94	5.4	20.5	6.7
DEC.					
05...	0800	92	6.2	5.5	11.4
JAN.					
14...	1245	1460	5.0	12.0	7.2
FEB.					
27...	0900	1140	4.6	12.5	7.7
APR.					
08...	1230	867	5.2	15.5	6.7
MAY					
13...	1115	525	5.2	22.5	5.2
JULY					
15...	0645	918	5.1	23.0	5.9
AUG.					
20...	0930	780	5.2	26.0	5.0

DATE	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
31...	2	.03	.03	.04	.03	6
DEC.						
05...	3	.05	<.02	--	.04	10
JAN.						
14...	2	<.02	.02	.03	.04	10
FEB.						
27...	<1	.04	<.02	--	.07	10
APR.						
08...	2	.08	.28	.36	.07	7
MAY						
13...	2	.09	.05	.06	.07	7
JULY						
15...	0	<.02	<.02	--	.03	8
AUG.						
20...	3	.04	.05	.06	.06	8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
31...	33	100	4	--	--	18
DEC.						
05...	55	90	3	.3	36	14
JAN.						
14...	49	130	8	1.2	1500	25
FEB.						
27...	39	150	6	1.1	36	22
APR.						
08...	36	120	8	.8	<30	18
MAY						
13...	36	160	10	1.1	<30	22
JULY						
15...	37	240	7	.5	430	28
AUG.						
20...	38	160	9	--	--	25

02226500 Satilla River near Waycross, Ga.

LOCATION.--Lat 31°14'17", long 82°19'29", Ware County, on downstream side of pier near center span of bridge on State Highway 38, 3 mi (4.8 km) northeast of Waycross, and 16 mi (25.7 km) upstream from Alabama River.

DRAINAGE AREA.--1,200 mi² (3,110 km²), approximately.

PERIOD OF RECORD.--Discharge: March 1937 to current year.
Chemical analyses: February 1968 to August 1973.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft (20.25 m) above mean sea level. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft (91 m) downstream at same datum.

AVERAGE DISCHARGE.--38 years, 1,004 ft³/s (28.4 m³/s), 11.36 in/yr (288.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,900 ft³/s (280 m³/s) Apr. 18, gage height, 17.20 ft (5.243 m); minimum discharge, 39 ft³/s (1.10 m³/s) Nov. 13.
Period of record: Maximum discharge, 39,000 ft³/s (1,100 m³/s) Apr. 4, 1948, gage height, 22.4 ft (6.828 m), from floodmark; minimum, 6.0 ft³/s (170 l/s) Nov. 3, 4, 1954.
Maximum stage known since at least 1862, that of Apr. 4, 1948.
Flood of September 1928 reached a stage of 22.2 ft (6.77 m), from information by employee of Seaboard Coast Line Railroad, discharge, 37,000 ft³/s (1,050 m³/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 952: 1939. WSP 1624: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	778	54	126	396	5,000	1,130	2,300	984	246	211	1,540	430
2	700	51	116	368	4,500	1,110	2,140	858	425	244	1,720	623
3	617	48	110	336	3,950	1,040	1,880	815	614	211	1,980	773
4	561	47	107	314	3,410	945	1,600	803	763	159	2,330	956
5	515	46	107	300	2,970	869	1,340	899	833	142	2,820	1,160
6	462	45	105	302	2,530	808	1,120	1,110	804	203	3,540	1,170
7	418	44	101	310	2,200	766	994	1,230	730	222	4,090	1,000
8	340	45	102	358	2,000	737	920	1,190	584	384	4,230	804
9	333	45	101	464	1,880	701	853	1,020	473	576	4,090	827
10	301	44	114	543	1,780	663	987	826	421	605	3,800	1,230
11	263	43	122	704	1,660	632	1,740	697	689	628	3,430	1,630
12	225	42	142	887	1,520	604	2,470	610	802	782	3,090	1,820
13	193	40	161	1,170	1,390	575	3,130	574	710	865	2,780	1,930
14	169	49	149	1,440	1,270	544	4,870	558	570	999	2,570	2,050
15	151	55	182	1,650	1,170	506	8,060	551	474	1,100	2,380	2,140
16	137	45	249	1,870	1,100	597	9,510	612	409	1,150	2,130	2,060
17	123	42	297	2,320	1,040	894	9,820	816	406	1,310	1,840	1,750
18	111	47	335	4,180	1,010	1,330	9,880	770	471	1,660	1,530	1,290
19	110	81	354	7,150	984	1,940	9,850	777	535	2,070	1,190	909
20	110	116	354	7,620	972	2,510	9,500	839	570	2,400	964	861
21	107	137	377	6,680	965	3,200	8,550	965	640	2,610	829	1,030
22	95	175	412	5,620	1,020	4,490	7,290	1,150	618	2,830	739	1,170
23	85	185	497	5,000	1,130	5,700	5,970	1,320	485	3,120	691	1,260
24	81	183	561	4,730	1,210	6,090	4,740	1,350	386	3,640	648	1,390
25	73	154	591	4,740	1,240	6,010	3,860	1,140	291	4,040	686	1,600
26	70	137	604	4,980	1,240	5,540	3,160	823	240	4,020	711	1,810
27	66	131	603	5,240	1,210	4,850	2,470	594	211	3,740	635	2,010
28	62	137	586	5,470	1,170	4,110	1,880	431	170	3,350	523	2,190
29	61	137	546	5,670	-----	3,420	1,490	337	237	2,870	437	2,160
30	59	131	491	5,670	-----	2,890	1,200	279	327	2,170	390	1,750
31	57	-----	436	5,430	-----	2,500	-----	257	-----	1,660	385	-----
TOTAL	7,473	2,536	9,138	91,912	51,521	67,701	123,574	25,185	15,134	49,971	58,718	41,783
MEAN	241	84.5	295	2,965	1,840	2,184	4,119	812	504	1,612	1,894	1,393
MAX	778	185	604	7,620	5,000	6,090	9,880	1,350	833	4,040	4,230	2,190
MIN	57	40	101	300	965	506	853	257	170	142	385	430
CFSM	.20	.07	.25	2.47	1.53	1.82	3.43	.68	.42	1.34	1.58	1.16
IN.	.23	.08	.28	2.85	1.60	2.10	3.83	.78	.47	1.55	1.82	1.30
CAL YR 1974	TOTAL 344,375	MEAN 943	MAX 7,770	MIN 40	CFSM .79	IN 10.68						
WTR YR 1975	TOTAL 544,646	MEAN 1,492	MAX 9,880	MIN 40	CFSM 1.24	IN 16.88						

SATILLA RIVER BASIN

02226582 Satilla River near Hoboken, Ga.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley County, at bridge on State Highway 121, 3 mi (4.8 km) northeast of Hoboken.

DRAINAGE AREA.--1,350 mi² (3,500 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG.					
20...	0815	1720	5.0	26.0	5.5
SEP.					
19...	1015	5500	4.6	24.0	6.3

DATE	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG.					
20...	.04	.02	.03	.07	11
SEP.					
19...	<.02	<.02	--	.05	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.						
20...	37	160	7	1.0	2300	26
SEP.						
19...	39	240	4	1.0	36	37

02226582 Satilla River near Hoboken, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 31...	1130	180	6.5	20.0	6.4
DEC. 05...	0930	137	6.7	7.0	9.6
JAN. 14...	1415	1380	5.5	12.5	7.0
FEB. 27...	0945	1520	5.1	13.5	7.7
APR. 08...	1130	1180	5.7	15.0	7.4
MAY 13...	1200	712	5.7	23.0	5.5
JULY 15...	0745	1470	5.3	23.5	6.2
AUG. 20...	0800	1540	5.2	26.0	4.1

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 31...	12	.40	.15	.19	.33	16
DEC. 05...	11	.24	.09	.12	.22	18
JAN. 14...	4	.04	.07	.09	.11	12
FEB. 27...	1	.06	.04	.05	.10	9
APR. 08...	3	.08	.05	.08	.09	7
MAY 13...	3	.11	.09	.12	.12	9
JULY 15...	2	.05	<.02	--	.08	8
AUG. 20...	3	.04	.05	.06	1.0	7

DATE	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 31...	77	80	5	--	--	14
DEC. 05...	43	90	2	.6	9300	14
JAN. 14...	52	110	11	1.3	9300	24
FEB. 27...	42	160	7	1.2	23000	22
APR. 08...	39	120	9	.9	9300	20
MAY 13...	41	70	11	1.1	2300	21
JULY 15...	38	160	10	.6	930	25
AUG. 20...	41	200	8	--	--	28

02227500 Little Satilla River near Offerman, Ga.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce County, at right bank pier of steel truss span of Seaboard Coast Line Railroad Bridge, 1,500 ft (457 m) downstream from bridge on State Highway 38, 4 mi (6.4 km) northeast of Offerman, and 16 mi (26 km) upstream from mouth.

DRAINAGE AREA.--646 mi² (1,673 km²).

PERIOD OF RECORD.--Discharge: January 1951 to current year.
Chemical analyses: October 1969 to September 1970.

GAGE.--Water-stage recorder. Datum of gage is 59.00 ft (17.98 m) above mean sea level. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft (457 m) upstream at same datum.

AVERAGE DISCHARGE.--24 years, 496 ft³/s (14.0 m³/s), 10.43 in/yr (264.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,220 ft³/s (148 m³/s) Apr. 19, gage height, 10.08 ft (3.072 m); minimum, 3.5 ft³/s (99.1 l/s) Nov. 16, 17.
Period of record: Maximum discharge, 17,200 ft³/s (487 m³/s) Sept. 29, 1953, gage height, 13.5 ft (4.12 m); no flow Oct. 10 to Nov. 14, 1954.

REMARKS.--Records good except those below 50 ft³/s, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	651	6.2	74	153	1,660	490	1,300	393	506	47	1,710	302
2	402	6.6	69	142	1,390	438	1,100	334	817	41	1,610	560
3	281	7.2	63	134	1,180	378	886	257	970	28	1,500	804
4	240	6.7	60	143	1,060	334	738	232	986	18	1,320	876
5	209	6.0	57	145	960	308	597	205	1,030	13	1,100	699
6	175	5.4	55	147	935	286	464	181	900	16	888	523
7	140	5.8	54	146	890	270	383	160	765	17	676	463
8	109	5.6	63	164	852	251	337	140	623	30	477	598
9	88	5.5	67	305	831	228	293	122	441	43	341	823
10	72	5.2	68	411	798	211	370	108	333	60	320	1,210
11	59	5.0	68	526	750	201	819	93	303	96	417	1,280
12	49	4.8	70	665	708	203	1,210	74	871	320	613	1,060
13	45	4.3	85	790	672	208	1,500	83	927	459	745	881
14	40	3.9	91	886	630	205	1,550	366	814	364	885	814
15	32	3.7	106	1,000	560	198	2,180	229	516	592	858	679
16	30	3.5	193	1,200	496	320	3,570	219	380	765	789	522
17	29	6.1	234	1,400	460	698	4,360	628	476	649	693	384
18	27	18	241	1,700	430	1,070	4,750	1,630	435	645	536	534
19	25	27	231	2,000	403	1,570	5,060	1,410	358	1,060	323	972
20	22	42	214	2,600	393	2,040	4,090	1,030	489	1,770	177	1,620
21	19	99	250	3,400	386	3,230	2,970	762	503	1,860	117	2,120
22	16	111	285	2,600	391	3,610	2,080	567	334	1,940	87	2,720
23	14	107	286	1,800	424	3,510	1,550	363	255	2,320	66	2,590
24	13	116	283	1,640	504	3,190	1,170	227	265	2,160	51	2,040
25	12	111	272	1,620	592	2,670	904	158	215	1,840	46	1,750
26	12	110	260	1,680	612	1,990	730	113	153	1,560	32	1,510
27	9.8	112	246	1,770	588	1,590	567	92	129	1,530	23	1,200
28	8.4	102	223	1,980	536	1,240	429	85	115	1,280	19	885
29	7.5	85	198	2,090	-----	995	374	69	81	1,260	34	693
30	6.6	74	178	2,000	-----	910	364	129	59	1,520	161	502
31	6.4	-----	164	1,850	-----	1,240	-----	177	-----	1,840	148	-----
TOTAL	2,849.7	1,205.5	4,808	37,087	20,091	34,082	46,695	10,636	15,049	26,143	16,762	31,614
MEAN	91.9	40.2	155	1,196	718	1,099	1,557	343	502	843	541	1,054
MAX	651	116	286	3,400	1,660	3,610	5,060	1,630	1,030	2,320	1,710	2,720
MIN	6.4	3.5	54	134	386	198	293	69	59	13	19	302
CFSM	.14	.06	.24	1.85	1.11	1.70	2.41	.53	.78	1.31	.84	1.63
IN.	.16	.07	.28	2.14	1.16	1.96	2.69	.61	.87	1.51	.97	1.82

CAL YR 1974 TOTAL 166,748.03 MEAN 457 MAX 3,290 MIN .69 CFSM .71 IN 9.60
WTR YR 1975 TOTAL 247,022.20 MEAN 677 MAX 5,060 MIN 3.5 CFSM 1.05 IN 14.22

02228000 Satilla River at Atkinson, Ga.

LOCATION.--Lat 31°13'16", long 81°52'03", Brantley County, on left bank piling 25 ft (7.6 m) upstream from bridge on U.S. Highway 84, 400 ft (122 m) downstream from Seaboard Coast Line Railroad bridge, and 1 mi (1.6 km) west of Atkinson.

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

PERIOD OF RECORD.--Discharge: March 1930 to current year. Monthly discharge only for some periods, published in WSP 1304.

Chemical analyses: February 1968 to current year.

Water temperature: November 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft (4.508 m) above mean sea level. Prior to Dec. 6, 1933, and Nov. 21, 1961 to Sept. 30, 1964, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 2,205 ft³/s (62.4 m³/s), 10.73 in/yr (272.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 17,800 ft³/s (504 m³/s) Apr. 22, gage height, 17.06 ft (5.200 m); minimum, 123 ft³/s (3.48 m³/s) Nov. 16-20. Maximum water temperature, 29.5°C July 10; minimum, 8.5°C Dec. 3-5, 11, 19, 22-23, Jan. 17-18.

Period of record: Maximum discharge, 68,100 ft³/s (1,930 m³/s) Apr. 6, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 21 ft³/s (.60 m³/s) Nov. 2-5, 7-13, 1954. Maximum water temperature, 29.5°C July 10, 1975; minimum, 8.5°C Dec. 3-5, 11, 19, 22-23, 1974, Jan. 17-18, 1975.

Maximum stage known since at least 1862, 27.2 ft (8.29 m) in September 1929, from information by Georgia Department of Transportation, discharge, 110,000 ft³/s (3,120 m³/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1932. WSP 1624: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,230	180	322	995	8,920	2,800	8,340	5,220	1,300	607	6,840	1,050
2	2,110	175	300	940	9,050	2,760	7,420	4,200	1,230	601	6,390	994
3	2,050	172	286	884	9,120	2,660	6,570	3,470	1,270	672	5,840	999
4	1,950	169	280	827	9,030	2,530	5,940	2,920	1,370	667	5,270	1,070
5	1,770	171	271	776	8,780	2,390	5,450	2,460	1,540	597	4,730	1,190
6	1,580	166	261	737	8,350	2,270	4,960	2,080	1,700	529	4,310	1,340
7	1,410	156	253	710	7,760	2,150	4,370	1,800	1,840	461	4,030	1,510
8	1,230	152	251	705	7,070	2,040	3,740	1,630	1,930	423	4,040	1,730
9	1,080	144	246	765	6,330	1,910	3,180	1,570	1,970	425	4,120	2,060
10	924	138	248	824	5,650	1,780	2,840	1,560	1,940	439	4,020	2,210
11	797	140	256	966	5,030	1,660	2,930	1,580	1,770	480	4,010	2,380
12	693	135	264	1,170	4,460	1,560	3,100	1,580	1,520	633	4,190	2,500
13	600	131	275	1,380	3,990	1,470	3,310	1,530	1,390	798	4,470	2,620
14	535	128	280	1,590	3,660	1,380	3,720	1,500	1,510	1,060	4,680	2,790
15	478	126	320	1,800	3,400	1,300	4,630	1,520	1,730	1,340	4,720	2,960
16	434	125	380	2,030	3,180	1,320	5,750	1,520	1,980	1,620	4,580	3,060
17	392	123	408	2,280	2,990	1,530	6,780	1,680	2,090	1,950	4,340	3,110
18	358	125	474	2,550	2,790	1,740	8,180	2,080	1,950	2,510	4,060	3,200
19	334	125	563	2,840	2,630	2,210	10,700	2,350	1,710	2,990	3,780	3,110
20	314	125	632	3,330	2,500	2,720	14,000	2,560	1,610	3,440	3,460	2,980
21	292	135	708	3,980	2,370	3,200	16,500	2,770	1,570	3,990	3,110	2,940
22	273	153	747	5,160	2,270	3,650	17,600	2,910	1,540	4,430	2,700	2,960
23	263	196	792	7,670	2,260	4,200	17,500	2,940	1,510	4,770	2,330	2,980
24	251	253	861	10,500	2,330	5,010	16,400	2,770	1,610	5,120	1,980	3,080
25	239	284	914	11,900	2,490	6,030	14,500	2,400	1,300	5,420	1,700	3,280
26	231	306	950	11,600	2,640	7,230	12,500	2,030	1,210	5,660	1,460	3,600
27	220	324	983	10,800	2,730	8,530	10,800	1,870	1,070	5,850	1,260	3,830
28	210	332	1,010	10,000	2,790	9,630	9,270	1,780	913	6,110	1,100	3,870
29	201	332	1,040	9,380	-----	10,100	7,860	1,690	784	6,540	1,060	3,770
30	196	328	1,040	9,010	-----	9,860	6,490	1,550	691	6,950	1,190	3,620
31	190	-----	1,020	8,870	-----	9,180	-----	1,410	-----	7,100	1,120	-----
TOTAL	23,835	5,549	16,635	126,969	134,570	116,800	245,330	68,930	45,348	84,182	110,890	76,793
MEAN	769	185	537	4,096	4,806	3,768	8,178	2,224	1,512	2,716	3,577	2,560
MAX	2,230	332	1,040	11,900	9,120	10,100	17,600	5,220	2,090	7,100	6,840	3,870
MIN	190	123	246	705	2,260	1,300	2,440	1,410	691	423	1,060	994
CFSM	.28	.07	.19	1.47	1.72	1.35	2.43	.80	.54	.97	1.28	.92
IN.	.32	.07	.22	1.69	1.79	1.56	3.27	.92	.60	1.12	1.48	1.02
CAL YR 1974 TOTAL	745,182	MEAN	2,042	MAX	11,500	MIN	123	CFSM	.73	IN	9.94	
WTR YR 1975 TOTAL	1,055,831	MEAN	2,893	MAX	17,600	MIN	123	CFSM	1.04	IN	14.08	

SATILLA RIVER BASIN

02228000 Satilla River at Arkinson, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
18...	1340	354	--	--	--
31...	1105	187	53	6.1	6.8
NOV.					
12...	1400	134	58	8.5	9.3
12...	1445	134	--	--	--
DEC.					
05...	1030	272	63	6.8	10.9
05...	1345	290	--	--	--
11...	1500	258	44	8.9	11.6
JAN.					
07...	1500	709	45	6.9	10.0
FEB.					
10...	1415	5570	38	4.7	8.6
27...	1040	2720	42	5.2	7.2
MAR.					
10...	1415	1770	28	6.2	9.5
APR.					
03...	0915	6700	--	--	--
21...	1500	16800	39	4.6	--
MAY					
12...	1400	1580	40	--	6.8
22...	1025	2910	--	--	--
JUNE					
17...	1630	2110	45	--	6.1
24...	1530	1390	--	--	--
JULY					
09...	1315	424	--	--	--
15...	1700	1400	50	5.2	7.3
AUG.					
10...	0815	4020	--	--	--
10...	1815	4000	40	4.8	4.7
20...	1610	3420	--	--	--
SEP.					
15...	1640	2980	44	4.6	5.7

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FF) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT.										
31...	--	--	--	--	--	--	--	--	--	--
NOV.										
12...	11	1200	770	24	11	2.8	1.3	7.5	1.1	11
DEC.										
05...	--	--	--	--	--	--	--	--	--	--
11...	11	--	--	--	--	4.9	1.5	6.2	2.0	7
JAN.										
07...	9.7	890	570	32	30	3.6	1.3	5.4	1.5	4
FEB.										
10...	7.2	--	--	--	--	3.3	.8	3.4	1.1	0
27...	--	--	--	--	--	--	--	--	--	--
MAR.										
10...	6.7	--	--	--	--	1.7	.9	4.5	1.1	4
APR.										
21...	--	1800	420	40	10	--	--	--	--	--
MAY										
12...	6.1	--	--	--	--	1.3	.8	3.4	1.3	3
JUNE										
17...	6.1	--	--	--	--	1.9	.8	3.4	1.0	1
JULY										
15...	--	930	550	30	30	--	--	--	--	--
AUG.										
10...	--	--	1100	--	40	--	--	--	--	--
SEP.										
15...	7.8	--	--	--	--	1.8	.8	3.0	1.1	1

SATILLA RIVER BASIN

169

02228000 Satilla River at Atkinson, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.										
31...	--	8	--	--	--	--	--	--	--	.10
NOV.										
12...	0	9	7.0	11	.2	.28	.34	.62	2.7	.16
DEC.										
05...	--	5	--	--	--	--	--	--	--	.12
11...	--	6	7.4	7.3	.1	.22	.60	.82	3.6	.13
JAN.										
07...	--	3	6.8	9.8	.1	.10	.50	.60	2.7	.09
FEB.										
10...	0	0	6.4	7.4	.3	.00	.54	.54	2.4	.01
27...	--	<1	--	--	--	--	--	--	--	.05
MAR.										
10...	--	3	4.8	8.4	.3	.05	.59	.64	2.8	.05
APR.										
21...	--	--	--	--	--	--	--	--	--	--
MAY										
12...	--	2	6.1	6.5	.1	.09	.17	.86	3.8	.07
JUNE										
17...	--	1	6.5	5.9	.2	.07	1.3	1.4	6.1	.05
JULY										
15...	--	--	--	--	--	.09	.66	.75	3.3	.06
AUG.										
10...	--	--	--	--	--	.01	1.0	1.0	4.5	.02
SEP.										
15...	0	1	7.0	5.7	.2	.01	.69	.70	3.1	.02

DATE	DIS- SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TUR- BID- ITY (JTU)	HIQ- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	PERI- PHYTON BIOMASS ASH WEIGHT (G/SQ M)	TOTAL PHYTO- PLANK- TON (CELLS ML)	UNCOR- RECTED PERI- PHYTON CHLOROPHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLOROPHYLL B MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
31...	--	10	--	5	--	--	--	--	--	15
NOV.										
12...	74	12	3	6	--	--	310	--	--	14
DEC.										
05...	--	20	--	2	.5	--	--	--	--	16
11...	42	14	13	4	--	5.4	100	30	11	--
JAN.										
07...	48	14	11	4	--	--	330	--	--	18
FEB.										
10...	45	12	12	4	--	--	6	--	--	--
27...	--	8	--	6	1.2	--	--	--	--	25
MAR.										
10...	64	8	5	5	--	--	230	--	--	--
APR.										
21...	--	--	--	--	--	--	24	--	--	10
MAY										
12...	63	7	4	7	--	--	300	--	--	--
JUNE										
17...	62	8	7	5	--	--	1300	--	--	--
JULY										
15...	--	--	--	--	--	--	390	--	--	18
AUG.										
10...	--	--	--	--	--	--	37	--	--	--
SEP.										
15...	55	8	7	4	--	--	2700	--	--	--

02228000 Satilla River at Atkinson, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible][illegible]

02228000 Satilla River at Atkinson, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	22.5	21.5	13.0	11.5	16.0	15.0	16.0	15.0	14.5	13.0
2	---	---	22.5	21.0	11.0	9.5	15.5	13.0	16.5	15.5	14.5	13.0
3	---	---	22.0	20.5	10.5	8.5	14.0	13.0	16.5	15.0	13.5	11.0
4	---	---	22.0	21.0	10.5	8.5	13.5	13.0	15.0	13.5	12.0	10.5
5	---	---	22.5	21.0	10.5	8.5	13.0	11.0	13.0	12.5	11.0	10.0
6	---	---	22.0	21.0	10.5	9.0	12.5	11.0	13.0	12.5	11.5	10.0
7	---	---	21.0	19.5	10.5	9.0	12.5	11.0	13.0	12.5	13.0	11.0
8	---	---	19.0	18.0	12.5	10.5	12.0	11.5	12.0	11.0	14.0	12.5
9	---	---	18.0	17.0	12.0	11.0	13.5	11.0	11.0	10.5	13.5	12.5
10	---	---	17.5	16.0	10.5	9.0	14.5	13.5	11.0	10.5	14.0	12.0
11	---	---	18.0	16.0	10.0	8.5	15.0	14.5	12.0	11.0	15.5	13.5
12	---	---	18.0	16.5	10.5	9.5	16.0	15.0	12.5	12.0	17.0	15.0
13	---	---	16.5	15.5	11.5	10.5	16.0	14.5	13.5	12.5	18.5	17.0
14	---	---	15.5	14.0	12.0	10.5	14.5	12.5	13.0	12.5	19.0	18.0
15	---	---	15.5	13.5	11.0	10.5	12.0	10.5	13.5	12.5	18.0	17.0
16	---	---	15.5	13.5	12.0	11.0	10.5	9.5	14.5	13.0	17.5	16.0
17	---	---	16.0	14.5	11.5	10.5	9.5	8.5	15.0	14.5	16.5	16.0
18	---	---	18.5	16.0	10.5	9.5	10.0	8.5	16.5	15.0	16.0	15.0
19	---	---	18.5	17.5	9.5	8.5	11.0	10.0	17.5	16.5	15.0	14.5
20	---	---	19.0	18.0	10.5	9.5	12.0	11.0	17.0	16.5	15.5	14.0
21	---	---	17.5	16.0	10.5	10.0	11.5	11.0	16.0	15.5	16.0	14.5
22	---	---	15.5	13.5	10.0	8.5	11.0	10.5	16.0	15.5	16.0	15.5
23	---	---	15.5	13.5	10.5	8.5	11.0	11.0	17.0	15.5	17.0	16.0
24	---	---	16.0	14.0	11.5	10.0	11.5	11.0	17.0	16.0	18.0	17.0
25	---	---	16.5	15.0	12.5	11.5	12.0	11.0	16.0	15.0	19.0	18.0
26	---	---	15.5	13.5	12.5	11.0	12.5	11.5	15.0	13.0	18.5	17.5
27	---	---	13.5	12.5	13.0	11.0	13.0	11.0	14.5	13.0	17.5	16.0
28	---	---	13.0	11.5	13.5	12.5	13.5	12.5	14.5	13.0	17.5	17.0
29	---	---	12.5	11.0	14.5	13.5	14.0	13.0	---	---	18.5	17.5
30	---	---	13.0	12.0	15.0	14.0	15.0	13.0	---	---	19.0	18.0
31	---	---	---	---	15.5	14.5	15.5	14.5	---	---	18.5	18.0
MONTH	---	---	22.5	11.0	15.5	8.5	16.0	8.5	17.5	10.5	19.0	10.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	16.0	23.5	23.0	27.0	26.5	29.0	28.0	26.5	25.5	28.0	26.5
2	17.0	16.0	23.0	22.5	27.0	26.0	29.0	27.5	27.0	26.0	28.0	26.5
3	18.0	17.0	22.5	22.5	27.0	25.5	28.5	27.0	27.0	26.5	28.5	26.5
4	17.0	16.0	23.0	22.0	27.0	25.5	28.5	27.0	27.0	26.5	28.5	27.0
5	16.0	15.5	22.5	21.5	27.0	26.0	29.0	27.0	27.0	26.5	28.5	26.5
6	15.5	15.0	23.0	21.5	27.5	26.0	28.5	27.0	27.0	26.5	28.5	27.0
7	15.5	14.5	23.0	21.5	27.0	26.5	29.0	27.0	27.0	26.5	28.0	27.0
8	16.5	15.0	23.5	22.5	27.5	26.5	29.0	28.0	26.5	26.0	27.5	26.5
9	16.5	16.0	24.0	23.0	27.0	26.5	28.5	27.0	26.0	25.5	26.5	26.0
10	16.5	16.5	24.0	23.5	27.0	26.0	29.5	27.0	26.0	25.5	26.5	26.0
11	17.5	16.0	24.0	23.0	27.5	26.5	29.0	27.0	26.0	25.5	26.0	25.5
12	18.0	16.0	24.0	22.5	28.5	27.0	28.0	27.5	26.0	25.5	26.5	25.5
13	17.5	16.0	24.0	23.0	28.5	27.0	27.5	26.5	26.5	25.5	26.5	26.0
14	17.0	16.0	24.5	23.5	28.0	26.5	26.5	26.0	27.0	26.0	26.0	24.5
15	17.0	16.5	24.5	23.5	27.0	26.5	26.0	25.5	27.0	26.5	24.5	23.5
16	17.0	16.0	25.5	23.5	27.0	26.0	26.5	25.5	27.0	26.5	24.0	23.0
17	17.5	16.5	25.0	23.5	27.5	26.0	26.0	25.5	27.0	27.0	24.0	23.5
18	18.5	17.0	25.0	23.5	28.0	27.0	26.0	25.0	27.5	27.0	24.5	23.5
19	19.0	18.0	25.0	24.0	28.5	27.0	25.5	25.5	28.0	27.0	25.0	23.5
20	19.5	18.0	25.0	24.5	28.5	27.0	26.0	25.5	28.0	26.5	25.0	24.5
21	19.0	18.0	25.5	23.5	28.0	27.0	26.0	26.0	28.0	26.5	25.0	24.5
22	19.0	18.5	25.5	24.5	28.0	27.0	26.5	25.5	28.5	26.5	25.5	25.0
23	19.5	19.0	26.0	25.0	27.5	26.5	27.0	26.0	28.5	26.5	25.5	25.0
24	20.0	19.0	26.5	25.5	27.5	26.5	27.0	26.5	28.5	28.0	25.5	25.0
25	21.0	19.5	27.0	26.0	27.0	26.5	27.5	27.0	29.0	28.0	25.0	23.5
26	21.5	20.5	27.5	26.5	27.0	26.5	27.5	27.0	29.5	28.0	24.0	23.0
27	22.0	21.5	27.0	26.0	28.0	26.5	27.5	27.0	29.5	28.5	23.0	21.5
28	22.5	21.5	27.0	26.0	29.0	27.0	27.0	26.5	29.0	28.5	22.5	21.5
29	23.0	22.0	27.0	26.0	29.0	28.0	26.5	26.0	28.0	27.0	22.5	21.5
30	23.5	22.5	27.5	26.5	29.0	27.0	26.0	25.5	27.5	26.5	22.5	21.5
31	---	---	27.5	26.5	---	---	26.0	25.0	28.0	27.0	---	---
MONTH	23.5	14.5	27.5	21.5	29.0	25.5	29.5	25.0	29.5	25.5	28.5	21.5

ST. MARYS RIVER BASIN

02228500 North Prong St. Marys River at Moniac, Ga.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW quarter sec.8, T.1 N., R.21 E., Baker County, Fla., near right bank at upstream side of bridge on State Highways 2 and 94, 0.2 mi (.3 km) upstream from Georgia Southern & Florida Railway bridge, 0.4 mi (.6 km) west of Moniac, 1.0 mi (1.6 km) downstream from Moccasin Creek, and 122 mi (196 km) upstream from mouth of St. Marys River.

DRAINAGE AREA.--160 mi² (410 km²), approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--January 1921 to December 1923 (published as St. Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft (27.25 m) above mean sea level. January 1921 to June 1934, nonrecording gage at site 800 ft (244 m) downstream at datum 3.22 ft (0.98 m) higher.

AVERAGE DISCHARGE.--30 years (1921-23, 1927-29, 1932-33, 1950-75), 164 ft³/s (4.64 m³/s), 13.92 in/yr (353.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,180 ft³/s (61.7 m³/s) Apr. 15, gage height, 14.46 ft (4.407 m); minimum, 14 ft³/s (0.40 m³/s) Nov. 16-20, gage height, 5.28 ft (1.609 m).

Period of record: Maximum discharge, 11,600 ft³/s (329 m³/s) Apr. 5, 1973, gage height, 22.98 ft (7.004 m); no flow for many days in some years; minimum gage height, 3.62 ft (1.10 m) June 26, 1955.

REMARKS.--Records good.

REVISIONS.--WSP 1234: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	29	22	75	175	340	67	170	64	52	1,140	87
2	198	28	22	69	159	300	83	155	58	49	931	286
3	168	27	20	62	145	270	80	140	60	48	771	323
4	144	26	19	62	132	250	75	130	54	44	672	239
5	126	25	18	83	125	230	67	120	47	40	590	184
6	112	24	18	82	139	210	60	110	41	42	540	155
7	102	24	18	75	228	190	55	100	37	39	524	507
8	93	22	23	74	227	172	50	90	34	49	498	678
9	84	21	24	167	200	154	48	81	35	128	933	788
10	77	20	23	225	180	136	60	86	62	195	814	706
11	70	19	22	216	160	125	879	104	57	196	862	566
12	64	19	22	263	150	117	1,860	102	75	248	805	482
13	59	17	34	287	200	109	1,670	91	86	283	647	410
14	55	16	37	269	300	102	1,500	87	75	274	531	344
15	51	15	40	223	280	97	2,000	99	83	394	450	287
16	51	14	68	191	260	94	2,060	137	120	383	389	244
17	54	14	75	168	240	126	1,690	531	108	354	329	218
18	51	14	66	151	220	133	1,360	633	84	448	277	220
19	48	14	59	141	200	317	1,100	536	73	384	239	225
20	45	17	60	309	270	394	890	445	73	334	261	238
21	42	33	154	506	300	329	723	368	64	279	245	254
22	40	30	259	445	300	266	597	298	62	301	217	241
23	38	27	227	387	300	232	498	230	59	279	182	214
24	36	25	184	357	350	212	419	178	56	296	153	190
25	34	23	155	341	400	188	358	142	50	493	128	170
26	33	21	135	354	450	165	304	115	48	515	107	148
27	32	19	117	323	420	141	259	95	48	969	89	129
28	33	18	103	279	380	125	234	79	93	1,340	76	114
29	32	17	94	246	-----	114	205	75	65	1,330	68	102
30	31	17	87	220	-----	105	185	76	57	1,220	67	93
31	30	-----	81	196	-----	96	-----	71	-----	1,260	77	-----
TOTAL	2,272	635	2,286	6,846	6,890	5,839	19,456	5,674	1,929	12,266	13,662	8,842
MEAN	73.3	21.2	73.7	221	246	188	649	183	64.3	396	441	295
MAX	239	33	259	506	450	394	2,060	633	120	1,340	1,140	788
MIN	30	14	18	62	125	94	48	71	34	39	67	87
CFSM	.46	.13	.46	1.38	1.54	1.18	4.06	1.14	.40	2.48	2.76	1.84
IN.	.53	.15	.53	1.59	1.60	1.36	4.52	1.32	.45	2.85	3.18	2.06
CAL YR 1974	TOTAL 56,206.1	MEAN 154	MAX 970	MIN 3.4	CFSM .96	IN 13.07						
WTR YR 1975	TOTAL 86,597.0	MEAN 237	MAX 2,060	MIN 14	CFSM 1.48	IN 20.13						

ST. MARYS RIVER BASIN

173

02231000 St. Marys River near Macclenny, Fla.

LOCATION.--Lat 30°21'31", long 82°04'54", in NW quarter sec.2, T.2 S., R.22 E., Baker County, on right bank 200 ft (61 m) downstream from site of former Stokes Bridge, 1 mi (1.6 km) downstream from confluence of North and South Prongs, 6 mi (9.7 km) northeast of Macclenny, and 100 mi (161 km) upstream from mouth.

DRAINAGE AREA.--700 mi² (1,810 km²), approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--Discharge: October 1926 to current year.

Chemical analyses: March 1965 to current year.

Water temperature: March 1965 to October 1969.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.19 m) above mean sea level (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939 to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft (61 m) upstream at same datum.

AVERAGE DISCHARGE.--49 years, 689 ft³/s (19.5 m³/s), 13.37 in/yr (339.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,500 ft³/s (127 m³/s) Apr. 17, gage height, 14.50 ft (4.420 m); minimum, 55 ft³/s (1.56 m³/s) Nov. 18-20, gage height, 2.05 ft (.625 m).

Period of record: Maximum discharge, 28,100 ft³/s (796 m³/s) Sept. 25, 1947; maximum gage height, 23.25 ft (7.087 m), Sept. 13, 1964, from floodmark; minimum discharge observed, 12 ft³/s (.34 m³/s) May 22, 1932; minimum gage height observed, 0.04 ft (0.012 m) June 4, 5, 1927.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	711	90	67	180	673	785	265	524	450	352	3,750	532
2	631	86	73	167	609	706	240	465	470	267	3,390	821
3	549	83	73	156	553	665	223	416	380	202	2,920	1,060
4	479	80	69	151	503	622	206	379	290	160	2,910	993
5	425	77	65	174	461	578	187	362	250	133	2,570	830
6	383	75	64	216	437	565	169	341	330	231	2,090	698
7	349	73	62	215	494	546	152	306	330	519	1,830	705
8	321	71	67	200	572	505	140	273	190	496	1,610	1,030
9	293	69	75	269	552	462	129	245	150	516	1,660	1,340
10	270	67	78	443	502	421	137	227	150	791	1,770	1,800
11	248	66	74	507	460	381	640	260	160	953	1,790	1,970
12	228	64	71	606	433	351	2,260	266	290	1,140	1,670	1,880
13	216	61	80	737	547	325	3,250	242	330	1,360	1,820	1,650
14	196	59	97	752	708	299	3,710	231	260	1,430	1,840	2,670
15	183	57	114	699	698	276	3,710	248	220	1,400	1,630	3,060
16	173	56	165	622	625	259	4,040	353	190	1,570	1,390	2,070
17	177	56	209	561	566	258	4,460	1,050	200	1,880	1,210	1,600
18	184	55	197	510	523	289	4,190	1,750	184	1,930	1,010	1,530
19	177	55	170	474	487	512	3,440	1,800	157	2,000	887	1,430
20	164	60	153	529	537	865	2,640	1,550	140	1,900	830	1,300
21	153	85	199	802	654	907	2,020	1,300	134	1,590	924	1,170
22	144	93	330	967	666	797	1,620	1,100	139	1,370	920	1,080
23	136	88	407	924	632	698	1,340	910	156	1,270	854	1,010
24	129	78	378	847	668	631	1,110	770	222	1,120	754	1,180
25	122	73	332	802	875	595	926	650	207	1,040	663	1,330
26	116	68	295	879	1,100	550	791	560	185	1,170	585	1,220
27	110	65	266	978	1,050	491	734	540	185	1,310	521	1,020
28	105	63	242	953	902	429	709	540	478	1,800	470	859
29	101	61	221	881	-----	375	649	540	528	2,490	436	730
30	97	61	205	811	-----	331	588	520	418	3,110	422	626
31	94	-----	192	743	-----	295	-----	470	-----	3,640	473	-----
TOTAL	7,658	2,095	5,090	17,755	17,487	15,769	44,675	19,188	7,773	39,140	45,599	39,194
MEAN	247	69.8	164	573	625	509	1,489	619	259	1,263	1,471	1,306
MAX	711	93	407	978	1,100	907	4,460	1,800	528	3,640	3,750	3,060
MIN	94	55	62	151	433	258	129	227	134	133	422	532
CFSM	.35	.10	.23	.82	.89	.73	2.13	.88	.37	1.80	2.10	1.87
IN.	.41	.11	.27	.94	.93	.84	2.37	1.02	.41	2.08	2.42	2.08
CAL YR 1974	TOTAL	232,072	MEAN	636	MAX	5,440	MIN	43	CFSM	.91	IN	12.33
WTR YR 1975	TOTAL	261,423	MEAN	716	MAX	4,460	MIN	55	CFSM	1.02	IN	13.89

ST. MARYS RIVER BASIN

02231000 St. Marys River near Macclenny, Fla.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TRANS- PAR- ENCY (SECCHI DISK) (IN)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.							
03...	1200	540	36	18	4.6	20.0	8.2
NOV.							
07...	0900	80	64	36	6.8	19.5	7.9
DEC.							
03...	1015	108	62	45	6.3	10.5	8.1
JAN.							
02...	1215	173	48	33	5.1	15.0	8.8
FEB.							
06...	1115	405	53	36	4.6	16.0	8.2
MAR.							
11...	1010	350	43	23	4.2	15.5	8.9
APR.							
10...	1030	143	46	22	5.8	19.5	7.9
MAY							
05...	1045	360	40	18	5.1	23.0	7.3
JUNE							
17...	1130	197	36	--	5.4	26.5	7.4
JULY							
17...	1050	1450	48	14	3.8	23.5	7.5
AUG.							
18...	1300	950	40	18	3.8	29.0	6.9
SEP.							
17...	1230	1400	38	21	4.1	22.0	7.6

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MANG- NESE (MN) (UG/L)	DIS- SOLVED MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
OCT.								
03...	4.9	760	730	20	0	2.9	.9	3.0
NOV.								
07...	7.7	--	--	--	--	6.0	2.1	5.0
DEC.								
03...	7.8	--	--	--	--	5.5	2.2	4.7
JAN.								
02...	5.0	540	410	0	0	3.7	1.2	3.8
FEB.								
04...	5.0	--	--	--	--	3.0	.6	2.5
MAR.								
11...	3.9	--	--	--	--	2.9	1.1	3.4
APR.								
10...	5.1	--	480	--	30	3.8	1.5	3.6
MAY								
05...	3.9	--	--	--	--	2.5	1.4	3.0
JUNE								
17...	4.1	--	--	--	--	3.4	1.0	3.0
JULY								
17...	3.9	440	400	4	4	2.1	.5	2.9
AUG.								
18...	3.6	--	--	--	--	1.9	.5	2.5
SEP.								
17...	3.2	--	--	--	--	1.5	.6	2.7

ST. MARYS RIVER BASIN

175

02231000 St. Marys River near Macclenny, Fla.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT.								
03...	.3	0	0	0	6.9	5.5	.1	.02
NOV.								
07...	.7	19	0	16	5.1	9.3	.2	.07
DEC.								
03...	.7	30	0	25	4.8	7.1	.3	.07
JAN.								
02...	.4	11	0	9	5.6	7.3	.1	.12
FEB.								
06...	.3	--	--	--	2.4	8.0	.1	.03
MAR.								
11...	.2	0	0	0	6.9	6.6	.4	.02
APR.								
10...	.3	10	--	8	5.8	7.1	.2	.08
MAY								
05...	.2	3	--	2	7.6	7.0	.4	.06
JUNE								
17...	.3	6	0	5	5.7	5.3	.7	.02
JULY								
17...	.3	0	--	0	8.2	5.6	.2	.00
AUG.								
18...	.3	0	--	0	7.3	4.8	.3	.00
SEP.								
17...	.3	0	--	0	6.8	5.2	.2	.01

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT.									
03...	.02	.04	.03	.71	.74	.78	3.5	.03	67
NOV.									
07...	.01	.04	.17	.45	.62	.70	3.1	.10	65
DEC.									
03...	.01	.08	.02	.33	.35	.43	1.9	.07	58
JAN.									
02...	.02	.14	.03	.44	.52	.56	2.9	.05	50
FEB.									
06...	.02	.05	.02	.66	.68	.73	3.2	.04	64
MAR.									
11...	.01	.03	.02	.68	.70	.73	3.2	.03	49
APR.									
10...	.03	.11	.03	.48	.51	.62	2.7	.04	62
MAY									
05...	.03	.09	.03	.69	.72	.91	3.6	.04	70
JUNE									
17...	.04	.06	.03	.67	.70	.76	3.4	.04	56
JULY									
17...	.02	.02	.04	.45	.49	.91	4.0	.03	N75
AUG.									
18...	.02	.02	.05	.70	.75	.77	3.4	.02	59
SEP.									
17...	.02	.04	.03	.65	.71	.74	3.3	.03	49

ST. MARYS RIVER BASIN

02231000 St. Marys River near Macclenny, Fla.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIN- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT.									
03...	11	11	280	2	.4	.0	1.5	--	230
NOV.									
07...	24	8	200	4	1.3	4.8	--	--	10000
DEC.									
03...	23	0	120	3	--	24	--	--	280
JAN.									
02...	14	5	200	3	1.1	140	8.5	--	130
FEB.									
06...	10	--	240	3	--	--	--	--	77
MAR.									
11...	12	12	240	5	--	.0	--	--	130
APR.									
10...	16	8	200	4	.3	25	4.8	7.2	270
MAY									
05...	12	10	280	1	--	38	--	--	37
JUNE									
17...	13	8	200	1	--	38	--	--	89
JULY									
17...	7	7	240	4	.5	.0	43	57	120
AUG.									
18...	7	7	--	5	--	.0	--	--	25
SEP.									
17...	6	6	120	8	--	.0	--	--	4

DATE	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL IN- ORGANIC CARBON (C) (MG/L)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
OCT.									
03...	5.6	.9	260	25	20	29	.0	4	5.9
NOV.									
07...	--	--	110	15	10	20	3.0	4	.86
DEC.									
03...	--	--	190	90	20	--	--	2	.58
JAN.									
02...	--	--	290	20	30	22	2.0	4	1.9
FEB.									
06...	--	--	180	130	5	--	--	3	3.3
MAR.									
11...	--	--	100	20	5	--	--	1	.94
APR.									
10...	40	4.8	260	75	95	21	2.0	5	1.9
MAY									
05...	--	--	250	35	30	--	--	3	2.9
JUNE									
17...	--	--	100	15	--	--	--	4	2.1
JULY									
17...	22	3.2	380	170	--	32	2.0	15	75
AUG.									
18...	--	--	--	--	--	--	--	5	13
SEP.									
17...	--	--	900	180	100	--	--	7	26

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT. 03...	2	1	1	2	<10	0	0	0	8
JAN. 02...	0	0	1	1	<10	1	3	0	4
APR. 10...	0	0	--	0	--	0	--	0	--
JULY 17...	0	0	1	0	<10	0	0	0	6

	DIS- SOLVED COPPER (CU)	TOTAL LEAD (Pb)	DIS- SOLVED LEAD (Pb)	TOTAL MERCURY (HG)	DIS- SOLVED MERCURY (HG)	TOTAL SILVER NIUM (SE)	DIS- SOLVED SELE- NIUM (SE)	DIS- SOLVED STRON- TIUM (SR)	TOTAL ZINC (ZN)	DIS- SOLVED ZINC (ZN)
DATE	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
OCT. 03...	2	4	3	.0	.2	0	0	50	20	4
NOV. 07...	--	--	--	--	--	--	--	80	--	--
DEC. 03...	--	--	--	--	--	--	--	50	--	--
JAN. 02...	2	8	0	.2	.1	0	0	60	7	10
FEB. 06...	--	--	--	--	--	--	--	0	--	--
MAR. 11...	--	--	--	--	--	--	--	60	--	--
APR. 10...	0	--	0	.1	.0	0	0	80	--	2
MAY 05...	--	--	--	--	--	--	--	70	--	--
JUNE 17...	--	--	--	--	--	--	--	30	--	--
JULY 17...	2	15	8	.1	.1	0	0	50	50	10
AUG. 18...	--	--	--	--	--	--	--	170	--	--
SEP. 17...	--	--	--	--	--	--	--	20	--	--

ST. MARYS RIVER BASIN

02231220 St. Marys River at Boulogne, Fla.

LOCATION.--Lat 30°46'35", long 81°58'44", Nassau County, at bridge on U.S. Highways 1, 23, and 301, at Boulogne.

DRAINAGE AREA.--1,180 mi² (3,060 km²), approximately; includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 20...	1045	4.9	25.0	6.1
SEP. 24...	1215	5.1	22.0	5.7

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 20...	<1	<.02	<.02	.03	10

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 20...	245	200	5	1.2	91	30

02231220 St. Marys River at Boulogne, Fla.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.				
31...	1515	6.4	20.5	6.5
DEC.				
05...	1230	7.3	9.5	9.5
JAN.				
14...	1600	6.0	13.5	7.0
FEB.				
27...	1210	5.9	16.0	5.3
APR.				
09...	1020	5.9	18.5	8.1
MAY				
13...	1300	6.5	27.0	5.0
JULY				
15...	0845	6.2	24.0	5.4
AUG.				
20...	1100	5.2	27.0	4.7

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
31...	9	.08	.05	.06	.05	22
DEC.						
05...	20	<.02	<.02	--	.04	26
JAN.						
14...	4	.03	.03	.04	.04	14
FEB.						
27...	1	.02	<.02	--	.03	11
APR.						
08...	6	.04	.02	.03	.04	14
MAY						
13...	6	.05	<.02	--	.04	15
JULY						
15...	1	<.02	<.02	--	.02	9
AUG.						
20...	0	<.02	.03	.04	.02	6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	COLOR (PLAT- INIM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BIRTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
31...	64	140	2	--	--	24
DEC.						
05...	76	110	2	.5	73	14
JAN.						
14...	55	120	5	.6	36	27
FEB.						
27...	43	200	3	1.1	91	28
APR.						
09...	49	140	3	.7	36	25
MAY						
13...	46	200	4	1.0	<30	26
JULY						
15...	42	210	6	.4	230	30
AUG.						
20...	38	320	3	--	--	32

SUWANNEE RIVER BASIN

02314500 Suwannee River at Fargo, Ga.

LOCATION.--Lat 30°40'50", long 82°33'38", Clinch County, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi (6.4 km) upstream from Suwannoochee Creek, and 12 mi (19 km) downstream from Mixons Ferry damsite.

DRAINAGE AREA.--About 1,260 mi² (3,260 km²), includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--Discharge: January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft (28.01 m) above mean sea level. Jan. 27, 1921 to Sept. 30, 1923, nonrecording gage at site 1,200 ft (366 m) upstream at datum 3.00 ft (.914 m) higher. Jan. 27, 1927 to Dec. 31, 1931 and Apr. 20, 1937 to June 10, 1938, nonrecording gage at site 1,000 ft (305 m) upstream at datum 1.00 ft (.305 m) higher. June 11, 1938 to Nov. 26, 1952, nonrecording gage at site 1,000 ft (305 m) upstream at present datum. Oct. 14, 1960 to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi (4.8 km) upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi (3.2 km) upstream.

AVERAGE DISCHARGE.--42 years (1927-31, 1937-75), 1,111 ft³/s (31.5 m³/s), 11.97 in/yr (304.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,650 ft³/s (188 m³/s) Apr. 21; maximum gage height, 15.10 ft (4.602 m) Apr. 20 (backwater from Suwannoochee Creek); minimum discharge, 96 ft³/s (2.72 m³/s) Dec. 7.

Period of record: Maximum discharge, 13,800 ft³/s (391 m³/s) Oct. 1, 5, 6, 1928; maximum gage height, 21.01 ft (6.404 m) Apr. 9, 1973; no flow at times in 1931, 1943, 1954.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1234: Drainage area. WSP 1504: 1928-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	* MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,890	257	110	413	3,740	2,310	2,030	3,200	1,160	521	2,240	1,250
2	1,870	244	114	399	3,640	2,280	2,030	2,990	1,110	470	2,330	1,330
3	1,820	230	108	381	3,510	2,240	2,040	2,810	1,050	425	2,450	1,490
4	1,750	216	104	366	3,360	2,200	2,040	2,640	1,000	400	2,510	1,560
5	1,680	204	102	376	3,320	2,150	2,010	2,470	940	380	2,470	1,580
6	1,590	195	100	378	3,260	2,100	1,940	2,310	874	370	2,390	1,540
7	1,500	186	98	361	3,210	2,050	1,860	2,190	836	360	2,290	1,480
8	1,390	179	109	384	3,090	1,980	1,770	2,080	800	360	2,180	1,520
9	1,270	171	122	658	2,940	1,930	1,690	1,980	770	370	2,150	1,680
10	1,170	162	127	758	2,790	1,860	1,630	1,910	760	390	2,340	1,820
11	1,070	156	128	807	2,640	1,790	1,780	1,880	740	402	2,430	1,810
12	986	150	126	862	2,520	1,720	2,880	1,790	708	419	2,410	1,760
13	910	145	161	997	2,440	1,650	3,470	1,700	684	421	2,330	1,740
14	840	139	180	1,120	2,350	1,580	3,670	1,620	682	415	2,220	1,700
15	787	133	180	1,220	2,250	1,510	3,920	1,540	690	455	2,100	1,670
16	740	128	225	1,300	2,160	1,450	4,880	1,490	700	577	1,990	1,640
17	691	124	242	1,340	2,100	1,470	5,550	1,720	710	659	1,900	1,620
18	642	122	232	1,370	2,090	1,500	6,020	1,800	712	729	1,810	1,600
19	602	119	225	1,410	2,150	1,660	6,400	1,830	704	826	1,740	1,590
20	562	118	234	1,760	2,310	1,760	6,580	1,800	700	962	1,700	1,560
21	521	127	345	2,110	2,370	1,820	6,600	1,760	690	1,080	1,750	1,510
22	476	130	431	2,340	2,360	1,850	6,450	1,700	670	1,230	2,020	1,450
23	443	123	445	2,550	2,340	1,860	6,200	1,650	652	1,400	2,050	1,410
24	415	118	446	2,770	2,350	1,870	5,900	1,650	632	1,520	2,000	1,420
25	388	116	448	3,020	2,390	2,000	5,520	1,780	601	1,600	1,870	1,380
26	363	115	453	3,290	2,410	2,180	5,100	1,590	580	1,670	1,760	1,320
27	337	111	454	3,520	2,400	2,230	4,690	1,480	569	1,770	1,640	1,280
28	317	108	449	3,710	2,360	2,200	4,250	1,430	538	1,890	1,520	1,220
29	300	104	443	3,800	-----	2,150	3,830	1,390	521	1,970	1,400	1,150
30	285	105	435	3,830	-----	2,100	3,490	1,310	569	2,020	1,310	1,090
31	270	-----	425	3,810	-----	2,060	-----	1,220	-----	2,130	1,260	-----
TOTAL	27,875	4,535	7,801	51,410	74,850	59,510	116,220	58,710	22,352	28,191	62,560	45,170
MEAN	899	151	252	1,658	2,673	1,920	3,874	1,894	745	909	2,018	1,506
MAX	1,890	257	454	3,830	3,740	2,310	6,600	3,200	1,160	2,130	2,510	1,820
MIN	270	104	98	361	2,090	1,450	1,630	1,220	521	360	1,260	1,090
CFSM	.71	.12	.20	1.32	2.12	1.52	3.07	1.50	.59	.72	1.60	1.20
IN.	.82	.13	.23	1.52	2.21	1.76	3.43	1.73	.66	.83	1.85	1.33

CAL YR 1974 TOTAL 203,889 MEAN 559 MAX 2,480 MIN 98 CFSM .44 IN 6.02
WTR YR 1975 TOTAL 559,184 MEAN 1,532 MAX 6,600 MIN 98 CFSM 1.22 IN 16.51

02314500 Suwannee River at Fargo, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 05...	1435	113	4.3	9.0	10.4
FEB. 27...	1420	2400	4.1	15.0	6.7
MAY 13...	1430	1740	3.9	25.0	5.3
AUG. 20...	1245	1680	4.2	27.0	4.9

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
DEC. 05...	0	<.02	.02	.03	.03	6
FEB. 27...	0	<.02	.08	.10	<.02	4
MAY 13...	0	<.02	.10	.13	.03	3
AUG. 20...	--	<.02	.02	.03	<.02	5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 05...	47	180	2	.5	<30	33
FEB. 27...	51	240	1	1.0	<30	37
MAY 13...	39	240	2	.8	<30	38
AUG. 20...	50	240	2	--	--	33

02316000 Alapaha River near Alapaha, Ga.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, near right bank on downstream side of bridge on State Highway 50, 2 mi (3.2 km) east of Alapaha, and 6 mi (9.7 km) upstream from Willacoochee River.

DRAINAGE AREA.--663 mi² (1,720 km²).

PERIOD OF RECORD.--Discharge: October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304.
Chemical analyses: October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 209.34 ft (63.81 m) above mean sea level. Prior to Sept. 8, 1943, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--39 years, 525 ft³/s (14.9 m³/s), 10.75 in/yr (273.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,750 ft³/s (191 m³/s) Apr. 20, gage height, 14.53 ft (4.429 m); minimum daily, 11 ft³/s (.31 l/s) Nov. 16-19.

Period of record: Maximum discharge, 12,700 ft³/s (360 m³/s) Apr. 4, 1948, gage height, 16.8 ft (5.12 m); no flow July 23, 24, Sept. 1 to Nov. 28, 1954, Aug. 9-23, 1962.

Maximum stage since at least 1900, 18.0 ft (5.49 m) in April 1928, from information by Georgia Department of Transportation, discharge, 16,000 ft³/s (453 m³/s).

REMARKS.--Records good except those for periods of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 872: 1937. WSP 1002: 1939(M). WSP 1624: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	275	23	25	103	960	2,040	2,180	1,140	370	44	792	79
2	219	21	29	104	880	1,800	2,120	1,210	340	37	642	85
3	180	20	45	104	800	1,560	1,850	1,150	370	37	501	76
4	148	19	49	107	740	1,350	1,530	1,050	350	39	407	58
5	130	18	42	112	680	1,180	1,270	904	330	68	380	44
6	119	19	35	106	640	1,050	1,100	762	310	160	435	38
7	103	18	32	100	600	937	999	690	290	227	516	42
8	98	17	37	116	560	837	934	792	270	360	562	45
9	90	16	35	161	530	749	874	890	250	417	604	48
10	81	15	32	206	510	684	1,280	854	350	371	598	90
11	100	14	31	238	490	637	2,130	774	440	265	539	74
12	97	13	31	382	470	600	2,350	686	510	213	527	62
13	88	13	33	999	460	568	2,740	614	520	212	574	52
14	76	12	34	1,280	440	541	2,940	537	480	223	519	42
15	80	12	38	1,240	430	516	3,210	552	369	195	404	30
16	77	11	42	1,120	520	626	3,640	570	375	242	325	21
17	72	11	42	1,230	680	867	4,660	768	386	660	311	17
18	65	11	41	1,380	630	1,060	5,770	869	327	1,280	309	20
19	59	11	40	1,440	540	1,690	6,510	916	253	1,590	334	21
20	54	12	51	1,530	480	2,390	6,670	951	234	1,790	374	22
21	49	15	70	1,550	450	3,320	6,000	945	251	1,760	366	21
22	45	17	77	1,440	400	4,340	4,830	916	204	1,580	310	33
23	42	18	87	1,390	390	4,970	3,730	860	153	1,370	235	75
24	38	17	89	1,510	700	5,250	2,850	760	129	1,230	168	82
25	35	16	99	1,650	1,200	5,100	2,180	710	111	1,210	120	70
26	33	15	112	1,550	1,800	4,580	1,660	650	89	1,140	86	61
27	30	14	107	1,500	2,240	4,000	1,330	600	72	1,110	66	52
28	28	13	102	1,350	2,260	3,340	1,120	550	65	1,210	52	42
29	27	14	98	1,250	-----	2,590	1,040	500	62	1,240	43	32
30	25	17	97	1,150	-----	2,080	1,000	460	54	1,080	62	27
31	24	-----	100	1,050	-----	2,030	-----	420	-----	913	71	-----
TOTAL	2,592	462	1,782	27,448	21,480	63,282	80,497	24,050	8,314	22,273	11,232	1,461
MEAN	83.6	15.4	57.5	885	767	2,041	2,683	776	277	718	362	48.7
MAX	275	23	112	1,650	2,260	5,250	6,670	1,210	520	1,790	792	90
MIN	24	11	25	100	390	516	874	420	54	37	43	17
CFSM	.13	.02	.09	1.33	1.16	3.08	4.05	1.17	.42	1.08	.55	.07
IN.	.15	.03	.10	1.54	1.21	3.55	4.52	1.35	.47	1.25	.63	.08

CAL YR 1974 TOTAL 161,006.5 MEAN 441 MAX 3,740 MIN 3.4 CFSM .67 IN 9.03
WTR YR 1975 TOTAL 264,873.0 MEAN 726 MAX 6,670 MIN 11 CFSM 1.10 IN 14.86

NOTE.--No gage-height record Oct. 10 to Nov. 22, Jan. 25 to Feb. 26,
May 23 to June 16.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JUNE 14...	6.3	170	1100	60	1.5	34	24.0	5.9	2	0	2
DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
JUNE 14...	3.3	6.3	.2	.07	.31	.02	.07	.07	.09	.03	.05
DATE	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)
JUNE 14...	.06	1.3	1.3	1.4	6.1	.04	.01	.03	.01	67	5
DATE	NON-CARBONATE HARDNESS (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE 14...	4	160	16	1	0	0	4	4	.0	0	80
DATE	TIME	DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)							
DEC. 06...	1235	34	14	1.3							
APR. 22...	1005	4960	41	553							
MAY 19...	1015	808	39	87							
JUNE 16...	0935	354	31	30							
AUG. 26...	1110	82	20	4.4							

SUWANNEE RIVER BASIN

02317500 Alapaha River at Statenville, Ga.

LOCATION.--Lat 30°42'14", long 82°02'00", Echols County, at downstream side of left bank pier of bridge on State Highway 94, 0.2 mi (0.3 km) west of Statenville.

DRAINAGE AREA.--1,400 mi² (3,630 km²), approximately.

PERIOD OF RECORD.--Discharge: January to June 1921, October 1931 to current year. Monthly discharge only for some periods, published in WSP 1304.

Chemical analyses: February 1968 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft (23.40 m) above mean sea level (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft (15 m) upstream at datum 2.10 ft (.640 m) higher. Dec. 10, 1931 to Nov. 30, 1949, nonrecording gage at site 200 ft (61 m) upstream at present datum, and Dec. 1, 1949 to Nov. 22, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years (1931-75), 1,034 ft³/s (29.3 m³/s), 10.03 in/yr (254.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,720 ft³/s (247 m³/s) Apr. 26, gage height, 25.66 ft (7.821 m); minimum, 86 ft³/s (2.44 m³/s) Nov. 15-20.

Period of record: Maximum discharge, 27,300 ft³/s (773 m³/s) Apr. 6, 1948, gage height, 29.8 ft (9.08 m), from graph based on gage readings; minimum, 16 ft³/s (.45 m³/s) Nov. 13, 14, 1954.

Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

Flood of Apr. 30 or May 1, 1928, reached a stage of 28.5 ft (8.69 m), from floodmarks, discharge, 18,400 ft³/s (521 m³/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 822: 1936, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	924	127	99	298	3,880	1,610	5,600	5,910	830	413	2,130	376
2	888	124	97	283	3,630	1,680	5,740	4,530	708	355	2,130	371
3	818	119	99	269	3,370	1,780	5,680	2,960	642	324	2,110	408
4	708	114	97	265	3,100	1,930	5,450	2,230	622	302	2,100	408
5	606	111	96	282	2,850	2,100	4,900	1,980	638	290	2,090	375
6	535	108	97	293	2,630	2,250	4,010	1,950	617	301	2,060	352
7	478	105	102	292	2,430	2,330	3,190	2,010	572	333	1,970	335
8	432	102	116	333	2,240	2,310	2,800	2,040	529	322	1,790	335
9	394	97	127	539	2,070	2,200	2,610	1,950	550	666	1,460	384
10	375	96	131	596	1,990	2,030	2,570	1,750	636	1,000	1,370	533
11	376	93	130	810	1,850	1,830	3,920	1,520	629	866	1,430	512
12	344	93	133	1,100	1,790	1,650	5,000	1,340	652	908	1,370	446
13	325	93	171	1,350	1,770	1,470	5,560	1,280	693	980	1,320	402
14	304	91	173	1,530	1,670	1,320	5,950	1,280	728	929	1,240	374
15	285	90	183	1,650	1,580	1,190	5,420	1,350	755	975	1,110	326
16	264	88	215	1,830	1,510	1,170	6,770	1,250	841	1,090	1,030	295
17	253	87	221	2,050	1,640	1,450	7,200	1,250	903	1,090	1,080	272
18	234	87	210	2,260	1,650	1,630	7,590	1,310	912	1,010	1,180	257
19	226	87	197	2,540	1,690	1,140	7,400	1,410	856	1,030	1,240	244
20	213	91	199	3,460	1,650	2,550	7,430	1,520	783	1,100	1,150	237
21	198	106	268	3,890	1,550	2,910	7,770	1,570	696	1,220	924	259
22	188	114	334	4,040	1,480	3,120	7,790	1,580	670	1,450	775	308
23	176	116	347	4,280	1,470	3,120	7,480	1,580	613	1,650	687	324
24	165	113	357	4,680	1,410	3,270	8,290	1,580	542	1,820	655	321
25	156	108	462	4,830	1,550	4,440	8,580	1,590	496	1,970	652	338
26	151	103	350	4,920	1,560	3,700	8,680	1,560	479	2,110	614	355
27	145	102	440	4,900	1,580	4,020	8,500	1,430	468	2,950	546	359
28	142	97	333	4,770	1,590	4,390	8,100	1,270	425	3,240	488	342
29	138	94	327	4,540	-----	4,760	7,430	1,100	387	3,000	444	311
30	136	96	322	4,360	-----	5,080	6,950	1,020	423	2,590	406	284
31	131	-----	311	4,130	-----	5,350	-----	889	-----	2,240	387	-----
TOTAL	10,721	3,052	6,548	71,400	57,230	79,850	145,440	56,080	14,295	38,524	37,938	10,437
MEAN	346	102	211	2,303	2,044	2,576	4,691	1,809	463	1,243	1,224	348
MAX	924	127	352	4,920	3,890	5,390	8,680	4,910	912	3,240	2,130	533
MIN	131	87	96	265	1,470	1,170	2,570	980	387	290	317	237
CFSM	.25	.07	.15	1.65	1.46	1.85	4.44	1.29	.46	.89	.87	.25
IN.	.24	.08	.17	1.40	1.52	2.12	4.95	1.49	.51	1.02	1.01	.28
CAL YR 1974	TOTAL 346,086	MEAN 468	MAX 4,680	MIN 87	CFSM .68	IN 9.20						
WTR YR 1975	TOTAL 577,455	MEAN 1,852	MAX 4,680	MIN 87	CFSM 1.13	IN 15.74						

02317749 Withlacoochee River above Valdosta, Ga.

LOCATION.--Lat 30°55'57", long 83°17'22", Lowndes County, at county highway bridge, 1.5 mi (2.4 km) upstream from Bay Branch, and 7 mi (11 km) north of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
04...	1315	36	6.3	19.0	7.8
DEC.					
10...	0845	56	6.9	8.5	10.6
JAN.					
15...	0745	1580	5.2	9.5	7.3
MAR.					
04...	0900	417	6.8	9.5	8.9
APR.					
09...	0830	258	5.9	14.0	7.8
MAY					
21...	0810	1420	5.6	21.5	4.7
JULY					
15...	1335	197	6.2	25.0	5.1
AUG.					
25...	1015	149	6.1	25.5	5.7

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
NOV.						
04...	15	.15	.03	.04	.48	25
DEC.						
10...	17	.25	<.02	--	.42	24
JAN.						
15...	3	<.02	.04	.05	.16	10
MAR.						
04...	4	.05	<.02	--	.37	10
APR.						
09...	4	.11	.03	.04	.21	12
MAY						
21...	2	.03	.03	.04	.11	4
JULY						
15...	8	.22	<.02	--	.41	15
AUG.						
25...	10	.20	1.0	1.3	.44	18

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHO/S)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
04...	45	65	2	1.1	73	13
DEC.						
10...	101	5	3	.8	230	10
JAN.						
15...	45	140	11	--	--	21
MAR.						
04...	54	160	7	.9	--	18
APR.						
09...	54	120	7	.9	<30	14
MAY						
21...	32	70	20	--	--	20
JULY						
15...	58	100	10	.8	360	17
AUG.						
25...	74	150	7	--	--	--

SUWANNEE RIVER BASIN

02317757 Withlacoochee River near Valdosta, Ga.

LOCATION.--Lat 30°51'00", long 83°20'23", Lowndes County, at bridge on State Highway 94, 0.8 mi (1.3 km) upstream from Little River, and 4 mi (6 km) northwest of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
NOV. 04...	1350	13	7.0	20.0	.3		
DEC. 10...	1000	6.7	7.4	8.5	4.8		
JAN. 15...	0945	1080	5.7	9.0	8.0		
MAR. 04...	0820	480	6.2	10.5	8.3		
APR. 09...	1000	266	6.2	15.0	7.4		
MAY 21...	1040	1280	5.3	22.5	4.5		
JULY 15...	1305	264	6.1	25.5	4.8		
AUG. 25...	1100	99	6.4	26.5	5.9		
DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)	
NOV. 04...	85	<.02	7.3	9.4	4.1	67	
DEC. 10...	70	.19	.88	1.1	3.5	64	
JAN. 15...	5	<.02	.04	.05	.24	10	
MAR. 04...	4	.06	.17	.22	.21	11	
APR. 09...	6	.16	.22	.28	.31	12	
MAY 21...	2	.04	.07	.09	.16	8	
JULY 15...	8	.12	.24	.31	.40	15	
AUG. 25...	13	.28	.49	.63	.44	18	
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)	
NOV. 04...	390	10	18	23	9300	27	
DEC. 10...	325	10	11	>7.4	2300	18	
JAN. 15...	52	120	10	--	--	20	
MAR. 04...	58	120	8	1.3	91	16	
APR. 09...	60	120	7	1.7	430	15	
MAY 21...	34	70	20	--	--	19	
JULY 15...	57	100	15	2.4	230	32	
AUG. 25...	89	100	8	--	--	16	

02318725 Okapilco Creek near Quitman, Ga.

LOCATION.--Lat 30°47'10", long 83°31'33", Brooks County, at U.S. Highways 84 and 221, and 1.8 mi (2.9 km) east of Quitman.

DRAINAGE AREA.--278 mi² (720 km²), approximately.

PERIOD OF RECORD.--Discharge: Occasional low-flow measurements 1949-50, 1954, 1966, 1969.

Chemical analyses: November 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
04...	1615	9.8	7.1	18.5	3.6
DEC.					
10...	1230	8.4	6.5	6.5	8.0
JAN.					
15...	1345	674	5.9	8.5	7.2
MAR.					
04...	1140	320	6.0	9.5	7.8
APR.					
09...	1320	104	6.1	16.0	6.0
MAY					
21...	1520	1430	5.5	24.5	4.4
JULY					
15...	1340	34	6.3	25.0	4.3
AUG.					
25...	1300	21	6.4	25.5	4.0

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
NOV.						
04...	52	.24	1.9	2.4	1.4	42
DEC.						
10...	17	.19	.59	.76	.42	35
JAN.						
15...	4	.04	.07	.09	.14	12
MAR.						
04...	5	.06	.05	.06	.12	12
APR.						
09...	5	.24	.07	.09	.20	12
MAY						
21...	4	.04	.03	.04	.20	9
JULY						
15...	8	.17	.05	.06	.36	11
AUG.						
25...	16	.28	.24	.31	.47	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
04...	210	50	5	5.1	36	14
DEC.						
10...	165	40	2	1.6	23000	12
JAN.						
15...	54	120	26	--	--	20
MAR.						
04...	59	120	14	1.2	--	15
APR.						
09...	63	100	14	1.0	430	10
MAY						
21...	44	70	33	--	--	16
JULY						
15...	52	100	18	1.3	2300	12
AUG.						
25...	40	160	12	--	--	16

SUWANNEE RIVER BASIN

02318960 Withlacoochee River near Clyattsville, Ga.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, at bridge on State Highway 31, 4.3 mi (6.9 km) south of Clyattsville.

DRAINAGE AREA.--1,490 mi² (3,860 km²), approximately.

PERIOD OF RECORD.--November 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
	NOV.							
	04...	1500	165	7.4	20.0	6.7		
	DEC.							
	10...	1115	155	7.8	9.0	7.0		
	JAN.							
	15...	1130	2770	6.6	10.5	7.3		
	MAR.							
	04...	1000	2530	7.2	12.0	7.4		
	APR.							
	09...	1140	1740	6.8	17.0	6.1		
	MAY							
	21...	1245	3200	6.5	24.0	4.3		
	JULY							
	15...	1145	936	7.0	25.0	4.5		
	AUG.							
	25...	1145	440	7.2	25.5	5.0		
	DATE	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)		
	NOV.							
	04...	84	.29	<.02	--	.15		
	DEC.							
	10...	65	.52	.18	.23	.34		
	JAN.							
	15...	6	.07	.07	.09	.18		
	MAR.							
	04...	9	.07	.06	.08	.10		
	APR.							
	09...	17	.18	.05	.06	.13		
	MAY							
	21...	6	.11	.03	.04	.15		
	JULY							
	15...	25	.26	.03	.04	.17		
	AUG.							
	25...	45	.35	.05	.06	.16		
	DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
	NOV.							
	04...	90	200	10	1	.5	<30	5.0
	DEC.							
	10...	71	168	10	2	.7	<30	5.0
	JAN.							
	15...	14	53	120	17	--	--	16
	MAR.							
	04...	18	65	100	10	1.2	--	14
	APR.							
	09...	25	74	90	12	.8	36	5.0
	MAY							
	21...	15	47	60	22	--	--	17
	JULY							
	15...	31	83	100	9	.5	91	12
	AUG.							
	25...	52	135	60	5	--	--	10

02328200 Ochlockonee River near Calvary, Ga.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, at county highway bridge, 1.5 mi (2.4 km) downstream from Tired Creek, and 6.5 mi (10.5 km) east of Calvary.

DRAINAGE AREA.--930 mi² (2,410 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 20...	1530	--	6.8	26.0	7.1
SFP. 24...	1530	425	6.5	22.0	6.0

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
AUG. 20...	9	.25	.06	.08	.19	16

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 20...	143	100	24	1.3	91	12

OCHLOCKNEE RIVER BASIN

02328200 Ochlocknee River near Calvary, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV. 05...	1330	107	7.0	18.0	7.1
DEC. 10...	1515	140	7.1	7.0	11.5
JAN. 15...	1530	7650	6.3	10.5	6.9
MAR. 05...	0845	1030	6.4	9.0	9.0
APR. 15...	0915	12000	6.0	15.5	6.4
MAY 22...	0745	2920	5.7	21.0	6.0
JULY 16...	0845	858	6.2	24.0	6.4
AUG. 25...	1515	248	6.5	26.5	5.1

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
NOV. 05...	28	1.5	.05	.06	.62	36
DEC. 10...	20	.80	.03	.10	.48	32
JAN. 15...	7	.06	<.02	--	.19	10
MAR. 05...	7	.27	.35	.45	.12	14
APR. 15...	2	.07	.03	.04	.15	6
MAY 22...	4	.14	.05	.06	.15	10
JULY 16...	7	.26	.02	.03	.17	12
AUG. 25...	18	.55	.10	.13	.25	22

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHO/S)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC HPOTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 05...	200	50	7	.9	<30	7.0
DEC. 10...	240	45	5	1.0	36	8.0
JAN. 15...	44	70	68	--	--	15
MAR. 05...	62	80	15	.8	90	10
APR. 15...	24	200	90	1.2	230	13
MAY 22...	54	140	52	.2	36	18
JULY 16...	74	90	32	--	--	12
AUG. 25...	46	70	15	--	--	9.0

02331600 Chattahoochee River near Cornelia, Ga.

LOCATION.--Lat 34°32'27", long 83°37'14", White County, on downstream side of Duncan Bridge, 1 mi (1.6 km) downstream from Soquee River, 6 mi (9.7 km) northwest of Cornelia, and at mile 401.4 (645.9 km).

DRAINAGE AREA.--315 mi² (816 km²).

PERIOD OF RECORD.--Discharge: August 1957 to current year.

Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft (343.98 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--18 years, 858 ft³/s (24.3 m³/s), 36.99 in/yr (939.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,500 ft³/s (326 m³/s) Mar. 14, gage height, 10.85 ft (3.307 m); minimum daily, 278 ft³/s (7.87 m³/s) Nov. 8.

Period of record: Maximum discharge, 26,400 ft³/s (748 m³/s) Mar. 12, 1963, gage height, 20.55 ft (6.264 m), from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of contracted-opening measurement of peak flow; minimum daily, 91 ft³/s (2.58 m³/s) Sept. 7, 1957.

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 2106: 1963(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	358	1,190	669	733	1,340	1,910	1,100	1,460	829	557	482
2	472	394	757	518	938	1,270	1,720	1,120	1,060	854	457	455
3	460	390	595	429	1,080	1,220	1,820	1,200	937	757	452	438
4	367	444	518	609	2,310	1,170	1,590	1,200	895	709	544	329
5	413	429	483	568	2,730	1,150	1,520	1,070	878	701	612	384
6	439	408	418	580	1,650	1,120	1,440	1,030	846	693	700	339
7	495	394	512	549	1,330	1,110	1,370	1,020	797	777	661	775
8	477	278	1,110	568	1,150	1,190	1,370	1,020	773	733	586	1,380
9	460	362	789	587	1,080	1,080	1,340	1,020	773	693	441	708
10	460	362	646	602	1,010	1,020	1,350	1,120	733	693	543	615
11	286	371	587	2,140	980	1,290	1,370	1,020	821	693	800	664
12	424	483	580	1,510	1,260	1,320	1,240	1,020	1,060	580	603	665
13	429	413	530	1,950	1,060	3,690	1,210	1,010	829	602	544	471
14	466	399	501	1,250	972	7,030	1,240	1,010	701	669	531	459
15	460	399	574	1,040	912	2,560	1,280	1,350	709	907	527	479
16	701	286	701	920	1,630	2,030	1,200	1,500	862	805	427	466
17	580	385	555	821	1,530	1,830	1,180	1,160	717	717	389	737
18	362	512	512	797	1,620	1,720	1,150	2,260	693	701	510	2,690
19	455	472	506	781	2,100	2,200	1,120	1,260	709	543	500	1,240
20	460	1,150	789	805	1,460	1,820	1,120	1,120	757	781	484	769
21	495	733	512	733	1,260	1,590	1,110	1,060	757	1,040	371	642
22	466	587	489	701	1,200	1,540	1,090	1,000	733	677	438	708
23	460	669	477	677	2,060	1,520	1,080	980	805	580	373	2,260
24	460	460	555	693	5,120	1,910	1,060	946	789	602	307	2,740
25	349	450	813	1,970	2,220	1,800	1,060	920	773	656	456	1,320
26	408	418	757	1,370	1,720	1,550	1,050	895	789	619	448	985
27	439	413	631	1,010	1,530	1,440	1,020	895	640	544	342	791
28	466	403	631	904	1,410	1,420	1,010	887	725	575	421	715
29	460	380	701	813	-----	1,720	1,010	879	849	545	474	680
30	460	450	741	773	-----	4,050	997	917	849	533	377	635
31	340	-----	677	765	-----	2,320	-----	1,120	-----	547	319	-----
TOTAL	13,964	13,652	19,837	28,102	44,055	58,020	38,027	34,109	24,719	21,355	15,194	26,021
MEAN	450	455	640	907	1,573	1,872	1,268	1,100	824	689	490	867
MAX	701	1,150	1,190	2,140	5,120	7,030	1,910	2,260	1,460	1,040	800	2,740
MIN	286	278	418	429	733	1,020	997	879	640	533	307	329
CFSM	1.43	1.44	2.03	2.88	4.99	5.94	4.03	3.49	2.62	2.19	1.56	2.75
IN.	1.65	1.61	2.34	3.32	5.20	6.85	4.49	4.03	2.92	2.52	1.79	3.07

CAL YR 1974 TOTAL 338,886 MEAN 928 MAX 4,850 MIN 278 CFSM 2.95 IN 40.0?
WTR YR 1975 TOTAL 337,055 MEAN 923 MAX 7,030 MIN 278 CFSM 2.93 IN 39.80

PEAK DISCHARGE (BASE, 6,200 CFS)

DATE	TIME	G.H.	DISCHARGE
2-24	0600	8.45	7,920
3-14	0300	10.85	11,500

APALACHICOLA RIVER BASIN

02331600 Chattahoochee River near Cornelia, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 17...	1925	549	6.7	16.0	8.2
DEC. 03...	1145	460	6.4	9.0	7.4
JAN. 08...	1350	623	6.6	6.0	11.0
MAR. 27...	1650	1410	6.8	12.0	9.4
JUNF 18...	1410	693	6.7	22.0	8.5
JULY 31...	1050	555	6.8	21.5	8.2

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 17...	10	.05	<.10	--	.03	6
DEC. 03...	14	.52	.26	.33	.23	14
JAN. 08...	7	.14	.05	.08	.04	6
MAR. 27...	5	.14	<.04	--	<.02	6
JUNF 18...	8	.11	.02	.03	.03	6
JULY 31...	10	.12	.02	.03	.03	6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- HOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 17...	27	5	12	1.5	230	4.0
DEC. 03...	64	60	35	1.7	23000	4.0
JAN. 08...	22	15	14	.2	430	4.0
MAR. 27...	19	5	11	.7	23000	4.0
JUNF 18...	21	10	8	.4	430	2.0
JULY 31...	24	10	15	.5	3900	2.0

02333500 Chestatee River near Dahlonega, Ga.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, on left bank 250 ft (76 m) upstream from Bearden Bridge on State Highway 52, 2 mi (3.2 km) downstream from Ballplay Creek, 2.5 mi (4.0 km) east of Dahlonega, and 3.5 mi (5.6 km) upstream from Yahoola Creek.

DRAINAGE AREA.--153 mi² (396 km²).

PERIOD OF RECORD.--June 1929 to January 1932, April 1940 to current year. Monthly discharges only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft (344.0 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--37 years (1929-31, 1940-75), 367 ft³/s (10.4 m³/s), 32.57 in/yr (827.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,110 ft³/s (145 m³/s) Mar. 14, gage height, 10.14 ft (3.091 m); minimum, 122 ft³/s (3.46 m³/s) Nov. 10, 11, gage height, 1.14 ft (.347 m).

Period of record: Maximum discharge, 22,700 ft³/s (643 m³/s) Aug. 23, 1967, gage height, 25.17 ft (7.672 m); minimum daily, 49 ft³/s (1.39 m³/s) Oct. 4, 1931, Oct. 26, 1941.

Flood of Aug. 12, 1907 reached a stage of about 25 ft (7.6 m), from information by local resident. Flow increased by failure of dam above station.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	133	478	319	338	608	858	519	494	283	247	163
2	163	134	303	292	535	585	812	386	381	304	247	138
3	159	131	245	283	564	544	804	529	334	256	193	135
4	162	127	219	366	1,080	523	699	407	311	232	253	133
5	166	184	204	304	1,380	505	665	378	298	226	283	130
6	159	153	192	283	812	486	633	355	304	214	486	130
7	153	134	227	270	630	487	607	384	290	223	342	265
8	150	129	432	273	545	520	585	381	275	214	253	502
9	151	130	374	291	496	469	579	452	262	205	223	202
10	150	125	289	327	456	489	566	388	261	193	295	223
11	145	131	259	1,230	433	684	536	361	301	247	358	409
12	144	205	252	932	638	627	506	404	430	241	250	267
13	144	146	231	1,040	484	1,860	494	397	313	199	217	216
14	142	138	217	623	436	3,120	513	350	278	187	202	181
15	144	150	239	499	413	1,240	497	1,010	270	298	205	160
16	381	134	280	435	925	946	468	915	283	217	208	154
17	207	138	239	386	814	822	462	595	256	202	184	230
18	173	194	219	355	890	842	456	718	247	196	178	458
19	156	191	220	345	1,050	1,150	448	483	244	190	172	277
20	149	597	220	366	731	864	429	426	295	196	169	219
21	148	323	210	319	620	750	417	392	286	205	160	190
22	147	221	200	299	574	727	410	365	265	181	155	214
23	145	142	194	290	859	671	408	343	244	175	150	517
24	145	178	262	297	2,250	1,030	408	326	232	271	150	800
25	148	168	488	1,270	1,080	862	422	312	226	223	145	444
26	140	156	420	752	813	717	386	319	244	223	145	331
27	138	151	322	527	714	667	368	346	235	193	150	275
28	136	148	312	445	651	641	364	307	232	178	150	242
29	135	143	360	407	-----	941	352	329	268	178	145	222
30	135	353	384	376	-----	2,010	362	504	346	208	140	211
31	135	-----	336	353	-----	1,060	-----	447	-----	199	160	-----
TOTAL	4,920	5,437	9,127	14,554	21,211	27,447	15,514	13,828	8,705	6,757	6,615	8,038
MEAN	159	181	294	469	758	885	517	446	290	218	213	268
MAX	381	597	632	1,270	2,250	3,120	858	1,010	494	304	486	800
MIN	135	125	192	270	338	469	352	307	226	175	140	130
CFSM	1.04	1.18	1.92	3.07	4.95	5.78	3.38	2.92	1.90	1.42	1.39	1.75
IN.	1.20	1.32	2.22	3.54	5.16	6.67	3.77	3.36	2.12	1.64	1.61	1.95
CAL YR 1974	TOTAL 159,068	MEAN 436	MAX 2,420	MIN 125	CFSM 2.85	IN 38.68						
WTR YR 1975	TOTAL 142,153	MEAN 389	MAX 3,120	MIN 125	CFSM 2.54	IN 34.56						

PEAK DISCHARGE (BASE, 2,600 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-24	0615	7.78	3,370	3-30	0430	7.02	2,870
3-14	0300	10.14	5,110				

APALACHICOLA RIVER BASIN

02334430 Chattahoochee River at Buford Dam, near Buford, Ga.

LOCATION.--Lat 34°09'25", long 84°04'44", Forsyth County, on right bank 1,200 ft (366 m) downstream from Buford Dam, 2.4 mi (3.9 km) upstream from bridge on State Highway 20, 4 mi (6.4 km) northwest of Buford, and at mile 348.1 (560.0 km).

DRAINAGE AREA.--1,040 mi² (2,690 km²), approximately.

PERIOD OF RECORD.--June 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. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft (277.99 m) above mean sea level (levels by 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 (4.0 km) downstream, and Jan. 1, 1948 to Sept. 30, 1971, water-stage recorder at site 2.4 mi (3.9 km) downstream, all at different datum.

AVERAGE DISCHARGE.--34 years, 2,153 ft³/s (61.0 m³/s), 28.11 in/yr (714.0 mm/yr), adjusted for storage since 1956.

EXTREMES.--Current year: Maximum discharge, 9,970 ft³/s (282 m³/s) Sept. 4, gage height, 11.30 ft (3.444 m); minimum daily discharge, 510 ft³/s (14.4 m³/s) Jan. 19, 22.

Period of record: Maximum discharge, 55,000 ft³/s (1,560 m³/s) Jan. 8, 1946, gage height, 32.6 ft (9.94 m), from floodmark, from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of peak flows passing upstream and downstream stations; minimum daily, 262 ft³/s (7.42 m³/s) May 18, 1958.

Maximum stage known since at least 1921, that of Jan. 8, 1946.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (see sta. 02334400).

REVISIONS.--See period of record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,860	7,250	1,230	550	542	534	5,850	742	558	1,720	553	627
2	1,550	7,850	1,440	3,080	542	1,080	5,860	4,050	3,880	1,720	551	3,600
3	1,560	7,990	1,370	2,040	3,400	2,370	5,860	542	3,880	1,720	875	4,040
4	1,530	8,310	1,270	550	4,050	4,240	5,860	550	3,870	1,730	2,500	5,340
5	1,190	8,030	1,260	550	3,210	2,560	5,490	4,390	3,870	546	2,470	815
6	1,190	8,410	1,300	1,380	542	1,440	2,180	4,530	3,870	556	2,480	820
7	3,140	8,050	1,140	1,340	1,010	1,110	5,780	4,940	822	1,870	2,470	876
8	3,140	8,450	1,140	550	534	534	5,760	4,580	534	1,860	2,120	1,540
9	3,140	7,830	1,170	2,350	542	1,090	5,790	4,560	1,290	2,060	540	2,110
10	3,140	7,940	1,460	574	2,250	1,230	5,790	534	1,990	2,370	593	2,110
11	2,650	7,540	1,170	574	542	1,230	5,790	542	2,100	1,130	2,200	2,120
12	1,190	3,550	1,160	566	1,360	3,270	5,430	4,340	3,060	542	2,330	1,390
13	1,230	4,170	1,170	1,510	542	1,090	912	3,990	1,860	552	4,380	864
14	4,270	3,940	1,130	894	1,350	1,190	6,020	686	534	1,530	3,330	544
15	4,280	3,940	1,130	638	526	5,240	5,800	3,200	542	1,510	3,860	1,230
16	4,300	646	1,190	1,170	822	2,110	5,830	4,030	1,880	1,520	535	2,610
17	4,270	1,220	1,170	1,070	542	5,730	3,880	550	3,190	1,520	1,300	1,960
18	4,280	2,240	1,170	518	542	5,550	3,900	558	2,740	1,570	1,840	3,680
19	646	1,360	1,170	510	2,290	5,890	550	4,940	1,810	537	1,800	3,320
20	1,190	1,320	1,190	1,380	2,770	5,850	534	5,640	1,450	552	1,460	1,840
21	4,470	1,370	1,130	2,480	1,260	5,850	2,420	5,720	534	1,530	1,880	867
22	4,530	1,370	1,140	510	534	5,520	1,640	5,720	550	2,150	1,890	823
23	4,530	646	1,160	1,100	542	2,180	1,640	4,750	1,430	1,520	538	547
24	4,530	1,200	1,170	1,100	2,160	5,920	1,920	534	1,410	3,290	552	1,390
25	4,530	1,570	558	566	1,350	5,910	3,680	550	1,410	1,460	3,080	1,400
26	5,540	1,560	550	1,130	1,330	5,910	542	1,890	546	537	2,610	1,390
27	4,240	1,950	1,170	558	1,340	5,860	2,780	1,870	1,410	867	3,890	867
28	7,920	1,220	550	1,260	1,330	5,880	2,660	1,730	541	2,870	2,600	867
29	7,660	1,210	1,140	1,260	-----	526	1,870	1,530	551	540	1,600	1,760
30	7,190	654	2,090	1,250	-----	534	1,860	1,220	2,340	864	538	4,060
31	7,230	-----	550	1,780	-----	5,880	-----	550	-----	870	815	-----
TOTAL	112,116	122,786	36,038	34,788	37,754	103,308	113,878	83,958	54,452	43,613	58,180	55,462
MEAN	3,617	4,093	1,163	1,122	1,348	3,333	3,796	2,708	1,815	1,407	1,877	1,849
MAX	7,920	8,450	2,190	3,080	4,050	5,920	6,020	5,720	3,880	3,290	4,380	5,340
MIN	646	646	550	510	526	526	534	534	534	537	535	544
(†)	-2,691	-2,711	+694	+1,490	+3,200	+1,587	-1,131	+177	-111	+7	-737	+294
MEAN†	926	1,382	1,857	2,612	4,548	4,920	2,665	2,885	1,704	1,414	1,140	2,143
CFSM†	.89	1.33	1.79	2.51	4.37	4.73	2.56	2.77	1.64	1.36	1.10	2.06
IN†	1.03	1.48	2.06	2.89	4.55	5.45	2.86	3.19	1.83	1.57	1.27	2.30
CAL YR 1974	TOTAL 935,914	MEAN 2,564	MAX 8,450	MIN 495	MEAN† 2,269	CFSM† 2.18	IN† 29.59					
WTR YR 1975	TOTAL 856,333	MEAN 2,346	MAX 8,450	MIN 510	MEAN† 2,336	CFSM† 2.25	IN† 30.54					

† Change in contents, equivalent in cubic feet per second, in Lake Sidney Lanier; furnished by Corps of Engineers.

‡ Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

195

02335000 Chattahoochee River near Norcross, Ga.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett County, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi (2.4 km) upstream from John Creek, 4.5 mi (7.2 km) north of Norcross, 6.5 mi (10.5 km) downstream from Suwanee Creek, 18 mi (29 km) downstream from Buford Dam, and at mile 330.8 (532.3 km).

DRAINAGE AREA.--1,170 mi² (3,030 km²), approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site 1910-33 and since 1945 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft (267.66 m) above mean sea level (levels by Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft (152 m) downstream at same datum. July 14, 1955 to Mar. 11, 1957, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--63 years, 2,301 ft³/s (65.2 m³/s), 26.70 in/yr (678.2 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 11,200 ft³/s (317 m³/s) May 7, gage height, 11.48 ft (3.499 m); minimum daily, 638 ft³/s (18.1 m³/s) July 13.

Period of record: Maximum discharge, 55,000 ft³/s (1,560 m³/s) Jan. 8, 1946, gage height, 27.7 ft (8.443 m), from rating curve extended above 36,000 ft³/s (1,020 m³/s) on basis of computation of peak flow over Morgan Falls Dam; minimum observed, 132 ft³/s (3.74 m³/s) Aug. 25, 1925.

Maximum stage known since at least 1896, that of Jan. 8, 1946.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (see sta. 02334400).

COOPERATION.--Gage-height record, 9 discharge measurements, and computation of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	1,530	7,550	1,240	815	1,480	1,440	6,640	1,320	914	2,100	1,000	1,000		
2	1,530	8,150	1,420	2,040	735	925	6,780	3,110	2,530	1,940	683	2,610		
3	1,530	8,420	1,750	3,560	2,780	2,890	6,930	2,660	4,310	1,940	731	3,620		
4	1,530	8,540	1,730	1,020	5,510	3,790	6,790	942	4,310	1,940	2,300	5,370		
5	1,450	8,300	1,050	820	5,660	3,710	6,790	3,630	4,310	1,110	2,830	2,700		
6	1,130	8,770	1,400	879	2,130	2,030	3,200	5,130	4,310	662	2,740	1,020		
7	2,060	8,250	1,570	2,000	1,420	1,080	5,750	6,760	2,700	1,440	2,850	758		
8	3,240	8,790	1,220	1,050	887	1,030	6,580	6,380	812	2,030	2,640	1,250		
9	3,240	8,110	962	1,980	825	937	6,580	5,420	1,170	2,230	1,150	2,400		
10	3,240	8,330	2,130	1,570	1,630	1,620	6,660	2,340	1,900	2,630	862	2,290		
11	3,460	7,940	761	1,490	1,740	1,450	6,660	830	2,820	1,420	2,590	2,290		
12	1,610	5,180	1,270	1,110	945	2,390	6,580	3,590	2,540	1,010	2,610	1,750		
13	1,160	4,180	1,250	1,710	1,530	4,870	2,510	4,790	3,000	638	3,670	1,170		
14	3,100	4,650	1,470	1,630	871	3,520	4,960	1,870	1,250	1,170	4,390	829		
15	4,580	4,430	1,220	530	1,450	5,630	6,710	4,050	740	1,730	3,600	717		
16	4,740	2,230	1,410	914	1,110	3,320	6,640	4,800	1,470	1,680	2,160	3,220		
17	4,740	1,240	1,480	1,300	1,370	5,800	5,960	2,460	3,060	1,710	889	2,070		
18	4,740	1,950	1,290	1,150	1,000	6,820	4,460	981	3,250	1,730	2,340	3,410		
19	2,420	1,530	1,290	716	1,650	7,380	1,290	3,690	2,260	1,120	1,840	4,690		
20	1,200	1,660	1,500	858	4,130	6,970	940	6,380	2,010	642	1,760	3,030		
21	3,520	1,620	1,050	2,650	1,680	6,790	2,580	6,420	1,230	1,120	1,860	1,220		
22	4,920	1,550	1,110	1,330	1,410	6,770	1,620	6,420	716	2,120	2,040	1,080		
23	4,900	1,500	954	756	914	3,260	1,790	6,300	1,200	1,830	1,140	824		
24	4,900	1,250	1,410	1,280	3,310	6,150	2,070	1,720	1,610	2,810	658	1,720		
25	4,900	815	1,580	2,000	1,560	7,000	3,100	765	1,610	2,420	2,460	1,720		
26	5,920	1,640	898	1,310	1,710	6,900	2,110	1,510	1,100	1,160	2,790	1,600		
27	4,750	1,740	770	1,230	1,650	6,900	1,510	2,120	1,200	722	3,700	1,020		
28	7,630	2,490	1,320	828	1,650	6,900	3,620	2,060	1,070	2,360	3,440	957		
29	7,800	814	1,140	1,470	-----	2,870	2,610	1,760	688	1,570	2,220	1,660		
30	7,430	1,300	2,010	1,470	-----	1,090	2,130	1,560	1,950	874	951	3,100		
31	7,550	-----	1,770	1,930	-----	4,810	-----	1,020	-----	993	708	-----		
TOTAL	116,453	132,989	41,225	43,696	52,737	127,042	132,450	102,788	62,040	48,851	65,602	61,095		
MEAN	3,756	4,433	1,330	1,410	1,883	4,098	4,415	3,316	2,068	1,576	2,116	2,037		
MAX	7,800	8,790	2,130	3,560	5,660	7,380	6,930	6,760	4,310	2,810	4,390	5,370		
MIN	1,130	814	761	716	735	925	840	765	688	638	658	717		
CAL YR 1974	TOTAL	1,052,730	MEAN	2,884	MAX	8,820	MIN	658	MEAN†	2,589	CFSM†	2.21	IN†	30.00
WTR YR 1975	TOTAL	986,965	MEAN	2,704	MAX	8,790	MIN	638	MEAN†	2,694	CFSM†	2.30	IN†	31.22

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02335700 Big Creek near Alpharetta, Ga.

LOCATION. --Lat 34°03'02", long 84°16'10", Fulton County, on left bank at downstream side of county highway bridge, 2.6 mi (4.2 km) southeast of Alpharetta, and 9.4 mi (15.1 km) upstream from mouth.

DRAINAGE AREA. --72 mi² (186 km²), approximately.

PERIOD OF RECORD. --May 1960 to current year.

GAGE. --Water-stage recorder. Datum of gage is 960.80 ft (292.85 m) above mean sea level (levels by U.S. Soil Conservation Service).

AVERAGE DISCHARGE. --15 years, 118 ft³/s (3.34 m³/s), 22.26 in/yr (565.4 mm/yr).

EXTREMES. --Current year: Maximum discharge, 1,940 ft³/s (54.9 m³/s) Mar. 14, gage height, 10.14 ft (3.091 m); minimum, 21 ft³/s (.60 m³/s) Oct. 11, gage height, 0.90 ft (.274 m).

Period of record: Maximum discharge, 5,800 ft³/s (164 m³/s) Feb. 21, 1961, gage height, 12.54 ft (3.82 m); minimum daily, 10 ft³/s (.28 m³/s) Oct. 6, 7, 1970.

REMARKS. --Records good except those for periods of doubtful or no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	28	190	151	95	119	159	215	100	54	164	45
2	25	28	93	117	90	120	161	176	79	56	78	39
3	24	27	68	105	150	106	181	161	75	133	58	37
4	24	27	58	175	500	102	143	159	73	70	77	34
5	24	40	53	125	650	100	131	109	70	59	142	32
6	23	44	51	104	601	97	124	96	68	53	165	32
7	22	33	71	93	258	103	120	453	65	62	129	47
8	22	30	202	111	173	132	117	742	63	56	167	67
9	22	29	141	149	148	101	133	411	59	51	86	50
10	22	28	83	147	129	105	184	181	86	74	189	42
11	22	31	70	418	121	119	139	138	209	72	326	54
12	22	62	65	508	205	180	121	120	143	53	128	76
13	22	42	60	510	169	798	112	115	90	47	86	72
14	22	38	55	370	128	1,740	137	100	78	44	71	49
15	23	53	90	179	115	1,240	156	179	73	44	63	41
16	58	41	133	142	244	406	124	281	71	41	59	39
17	48	37	82	121	376	261	115	315	67	50	54	49
18	34	58	69	109	273	295	110	243	66	58	50	155
19	30	55	71	103	226	422	107	155	100	43	48	90
20	28	137	78	113	170	323	103	123	400	56	47	52
21	28	115	68	96	142	216	98	108	347	73	44	40
22	27	63	60	88	134	189	95	99	119	48	41	61
23	28	51	56	86	172	174	94	91	86	43	40	150
24	29	46	158	123	330	265	94	85	70	50	38	162
25	29	43	260	600	240	277	94	81	71	73	36	87
26	29	40	207	400	161	184	90	78	62	53	76	67
27	28	39	125	250	138	160	86	78	60	45	68	57
28	27	39	111	170	126	149	83	78	58	41	81	51
29	27	37	202	130	-----	146	82	91	83	43	56	48
30	28	89	264	110	-----	263	85	86	62	74	49	46
31	28	-----	230	100	-----	193	-----	80	-----	74	46	-----
TOTAL	850	1,430	3,524	6,003	6,264	9,085	3,578	5,427	3,053	1,793	2,762	1,871
MEAN	27.4	47.7	114	194	224	293	119	175	102	57.8	89.1	62.4
MAX	58	137	264	600	650	1,740	184	742	400	133	326	162
MIN	22	27	51	86	90	97	82	78	58	41	36	32
CFSM	.38	.66	1.58	2.69	3.11	4.07	1.65	2.43	1.42	.80	1.24	.87
IN.	.44	.74	1.82	3.10	3.24	4.69	1.85	2.80	1.58	.93	1.43	.97

CAL YR 1974 TOTAL 39,728 MEAN 109 MAX 1,780 MIN 22 CFSM 1.51 IN 20.53
WTR YR 1975 TOTAL 45,640 MEAN 125 MAX 1,740 MIN 22 CFSM 1.74 IN 23.58

PEAK DISCHARGE (BASE, 800 CFS)

NOTE.--Doubtful or no gage-height record, Jan. 24 to Feb. 5, June 3-9, 15-19, 23, 24.

DATE TIME G.H. DISCHARGE

3-14 1200 10.14 1,940

02336000 Chattahoochee River at Atlanta, Ga.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton County, on left bank 20 ft (6.1 m) upstream from Paces Ferry Bridge at Atlanta, 1 mi (1.6 km) downstream from Rottenwood Creek, 2.5 mi (4.0 km) upstream from Peachtree Creek, and at mile 303.0 (487.5 km).

DRAINAGE AREA.--1,450 mi² (3,760 km²), approximately.

PERIOD OF RECORD.--Discharge: August 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1951, published as "near Vinings".
Chemical analyses: March 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft (228.63 m) above mean 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 (1.3 km) upstream.

AVERAGE DISCHARGE.--42 years, 2,578 ft³/s (73.0 m³/s), 24.14 in/yr (613.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,300 ft³/s (518 m³/s) Mar. 13; maximum gage height, 17.36 ft (5.291 m), backwater from Peachtree Creek; minimum daily discharge, 1,070 ft³/s (30.3 m³/s) Aug. 24.

Period of record: Maximum discharge, 59,000 ft³/s (1,670 m³/s) Jan. 9, 1946, gage height, 28.0 ft (8.53 m); minimum daily, 296 ft³/s (8.38 m³/s) Sept. 2, 1957.

Maximum stage known since at least 1896, 29.0 ft (8.84 m) in December 1919, from floodmarks at site 2.6 mi (4.2 km) downstream and stage relation between the two sites.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 (see sta. 02334400). Diversion at points 35, 20, and 7 mi (56, 32, and 12 km, respectively) above station by Gwinnett, DeKalb, and Cobb Counties, respectively, for municipal supplies as shown in monthly table. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi (15.3 km) above station.

REVISIONS (WATER YEARS).--WSP 972: 1932.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	1,570	6,950	1,810	1,480	1,850	1,900	6,590	3,040	1,450	2,370	1,920	1,400		
2	1,460	7,190	1,790	1,510	1,200	1,380	6,850	3,210	2,310	2,150	1,280	1,380		
3	1,950	7,710	2,440	3,800	2,220	2,330	7,290	4,840	4,300	2,340	1,210	2,820		
4	1,850	7,690	1,750	2,380	7,700	3,080	6,730	1,900	4,420	2,050	1,730	4,360		
5	1,320	7,920	1,260	1,430	9,110	4,760	6,630	2,450	4,470	1,810	3,160	4,850		
6	1,210	8,260	1,550	1,250	5,020	2,710	5,210	5,010	4,480	1,230	3,170	1,160		
7	1,840	7,490	1,760	2,110	2,220	1,760	3,810	6,390	3,600	1,500	3,320	1,140		
8	2,960	8,300	1,980	1,800	1,750	1,850	6,490	8,470	1,570	2,020	4,290	1,260		
9	3,070	7,350	1,640	1,780	1,380	1,160	6,550	6,510	1,710	2,260	1,770	1,880		
10	3,290	7,800	1,710	3,070	1,430	1,850	6,810	4,300	1,890	2,760	2,080	2,370		
11	3,380	7,550	1,970	3,500	2,550	1,940	6,530	1,420	3,770	2,270	3,480	3,020		
12	2,050	6,630	1,180	3,280	1,430	2,300	6,460	2,340	3,680	1,290	3,050	2,050		
13	1,380	4,300	1,440	3,070	2,110	12,200	4,650	4,990	4,060	1,160	2,710	2,000		
14	2,120	4,290	1,490	2,680	1,250	9,260	3,390	4,040	1,990	1,140	4,730	1,260		
15	4,300	4,430	1,800	1,700	1,850	6,290	7,170	2,300	1,220	1,550	3,610	1,300		
16	4,840	3,120	1,960	1,270	2,110	6,550	6,600	5,230	1,390	2,040	3,190	1,540		
17	4,570	1,180	1,750	1,780	3,140	4,410	6,380	5,560	2,520	1,610	1,200	2,640		
18	4,450	2,410	1,590	1,540	2,620	8,460	4,690	2,030	3,400	2,070	1,740	2,900		
19	3,410	2,170	1,710	1,250	2,810	9,440	3,230	2,540	3,540	1,450	2,330	4,790		
20	1,170	2,050	1,780	1,430	4,320	7,870	1,220	6,100	2,610	1,190	2,080	3,840		
21	2,380	2,070	1,320	2,000	2,810	7,090	2,000	6,310	2,490	1,410	1,730	1,930		
22	4,480	1,790	1,440	2,220	2,000	6,880	2,580	6,200	1,270	1,690	1,990	1,930		
23	4,740	1,590	1,530	1,300	1,700	5,730	2,060	6,330	1,230	2,490	1,460	1,630		
24	4,610	1,160	2,100	1,660	3,950	4,880	2,260	4,250	1,930	2,400	1,070	1,320		
25	4,710	1,470	2,850	4,100	2,740	7,820	2,470	1,210	1,880	4,090	1,230	1,870		
26	4,710	1,660	1,650	2,440	2,330	7,260	3,480	1,590	1,790	1,470	3,060	1,770		
27	5,620	1,840	1,240	2,110	2,110	6,790	1,360	2,280	1,200	1,230	3,160	1,320		
28	5,970	2,130	1,660	1,480	2,220	6,690	3,700	2,450	1,460	2,020	5,200	1,240		
29	7,340	1,500	2,480	1,850	-----	5,270	3,150	2,230	1,240	2,880	2,850	1,410		
30	6,510	1,800	2,580	1,800	-----	2,030	2,390	1,980	1,480	1,450	1,300	2,490		
31	7,030	-----	2,940	1,900	-----	3,160	-----	1,480	-----	1,470	1,160	-----		
TOTAL	110,290	131,800	56,150	64,970	77,930	155,100	138,730	118,980	74,350	58,860	76,260	64,870		
MEAN	3,558	4,393	1,811	2,096	2,783	5,003	4,624	3,838	2,478	1,899	2,460	2,162		
MAX	7,340	8,300	2,940	4,100	9,110	12,200	7,290	8,470	4,480	4,090	5,200	4,850		
MIN	1,170	1,160	1,180	1,250	1,200	1,160	1,220	1,210	1,200	1,140	1,070	1,140		
(†)	14	13	12	13	13	13	15	14	15	16	16	16		
(††)	91	82	78	79	78	78	87	91	92	90	91	87		
(†††)	31	30	28	30	29	29	32	32	31	32	32	28		
CAL YR 1974	TOTAL	1,186,976	MEAN	3,252	MAX	11,100	MIN	896	MEAN††	2,957	CFSM††	2.04	IN††	27.69
WTR YR 1975	TOTAL	1,128,290	MEAN	3,091	MAX	12,200	MIN	1,070	MEAN†††	3,081	CFSM†††	2.12	IN†††	28.78

† Diversion by Gwinnett County, in cubic feet per second; furnished by Gwinnett County.

† Diversion by DeKalb County, in cubic feet per second; furnished by DeKalb County.

†† Diversion by Cobb County, in cubic feet per second; furnished by Cobb County.

††† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02336000 Chattahoochee River at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAR.						
20...	1400	1900	49	7.3	17.0	--
APR.						
02...	1400	6040	43	8.4	13.0	11.4
16...	1300	6140	39	8.3	12.5	10.6
MAY						
08...	1100	2110	40	8.8	12.0	--
14...	1315	6110	37	8.2	15.0	9.1
JUNE						
11...	1320	3830	31	8.9	15.0	8.7
26...	1315	1180	39	8.3	--	--
AUG.						
13...	1400	4400	39	9.1	15.0	9.0
29...	1345	3280	38	9.1	--	--
SEP.						
24...	1030	4560	45	8.8	14.0	9.5

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)
MAR.							
20...	7.6	0	.21	.02	.19	.21	.42
APR.							
02...	5.7	5200	.21	.08	.42	.50	.71
16...	5.9	1400	.20	.03	.00	.03	.23
MAY							
08...	7.6	650	.25	.01	.10	.11	.36
14...	7.4	1800	.27	.03	.08	.11	.38
JUNE							
11...	7.5	3500	.29	.00	.27	.27	.56
26...	8.0	510	.29	.02	.16	.18	.47
AUG.							
13...	6.9	2200	.29	.01	.21	.22	.51
29...	6.8	1100	.28	.01	.15	.16	.44
SEP.							
24...	8.3	600	.28	.02	.11	.13	.41

DATE	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TUR- BID- ITY (JTU)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR.							
20...	1.9	.01	35	30	6	50	1.5
APR.							
02...	3.1	.04	29	135	80	344	3.5
16...	1.0	.01	37	23	10	340	2.4
MAY							
08...	1.6	.04	10	1	6	360	2.0
14...	1.7	.03	26	26	90	3400	3.6
JUNE							
11...	2.5	.03	34	438	40	8100	--
26...	2.1	.04	22	3	6	--	9.2
AUG.							
13...	2.3	.05	38	74	30	4700	1.2
29...	1.9	.05	46	12	10	--	4.3
SEP.							
24...	1.8	.04	38	5	7	240	2.0

Chattahoochee River at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAR. 20...	0	0	0	1	.1	20
APR. 02...	8	1	--	0	--	260
16...	8	0	0	13	--	90
AUG. 29...	1	1	<10	20	.2	80

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR. 20...	1	1	8	30	.0	19

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV. 21...	1330	2950	23	7.5	13.0	10.0
DEC. 05...	1115	1250	46	9.0	7.0	11.9
23...	1215	1490	44	8.5	--	--
FEB. 07...	1315	1900	44	--	5.0	11.2
MAR. 05...	1330	3980	41	6.8	8.0	10.8
19...	1445	7830	35	5.6	10.0	--
APR. 04...	1145	7270	35	8.0	10.0	12.0
18...	1245	4500	36	5.7	15.0	10.8
MAY 06...	1100	5230	39	5.5	13.0	9.6
14...	1300	4810	--	--	13.5	12.0
19...	1000	1570	53	--	18.0	9.8
28...	1140	3120	47	--	17.5	10.9
JUNE 04...	1310	4890	50	--	14.5	10.6
09...	1145	1250	--	--	19.0	9.1
13...	1200	4750	40	--	19.2	8.7
26...	1330	2680	40	--	18.5	10.2
JULY 24...	1200	2370	46	5.9	18.0	9.5
31...	1115	1190	47	6.0	19.0	7.8
AUG. 18...	1345	2120	45	7.0	21.0	9.1
SEP. 04...	1215	4260	37	6.8	15.0	9.0
30...	1305	2970	47	6.7	16.0	10.1

Chattahoochee River at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)
NOV.							
21...	7.5	4600	.17	.10	.20	.30	.47
DEC.							
05...	8.1	1100	.19	.10	.17	.27	.46
23...	7.8	1100	.20	.07	.21	.28	.48
FEB.							
07...	7.3	2400	.26	.06	.23	.29	.55
MAR.							
05...	6.1	1600	.16	.00	.17	.17	.33
19...	6.0	4200	.18	.03	.17	.20	.38
APR.							
04...	6.0	1500	.17	.01	.10	.11	.28
18...	6.0	810	.17	.00	.16	.16	.33
MAY							
06...	5.8	4300	.21	.00	.28	.28	.49
14...	6.2	1500	.22	.00	.16	.16	.38
19...	4.4	2900	.27	.03	.28	.31	.58
28...	7.6	1400	.27	.01	.33	.34	.61
JUNE							
04...	6.3	1100	.24	.02	.00	.00	.24
09...	7.7	1500	.27	.02	.08	.10	.37
13...	4.1	70	.29	.01	.52	.53	.82
26...	7.6	1300	.27	.00	1.1	1.1	1.4
JULY							
24...	7.2	2500	.33	.02	.13	.15	.48
31...	4.4	2000	.32	.02	.37	.39	.71
AUG.							
18...	4.2	1400	.35	.00	.17	.17	.52
SEP.							
04...	6.7	2100	.32	.00	.16	.16	.48
30...	4.5	1800	.34	.01	.06	.07	.41

DATE	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	TOTAL NON- FILT- RAHLF RESIDUE (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.							
21...	2.1	.07	40	73	--	--	1.9
DEC.							
05...	2.0	.04	54	21	--	--	1.5
23...	2.1	.04	36	0	--	--	1.0
FEB.							
07...	2.4	.06	21	25	--	790	5.5
MAR.							
05...	1.5	.03	14	0	4	150	2.4
19...	1.7	.06	20	72	8	830	6.0
APR.							
04...	1.2	.04	34	34	6	137	3.2
18...	1.5	.02	24	20	4	15	1.6
MAY							
06...	2.2	.06	26	93	24	1210	2.5
14...	1.7	.01	13	8	4	200	6.7
19...	2.6	.07	40	51	12	49000	3.8
28...	2.7	.01	20	16	6	560	7.1
JUNE							
04...	1.1	.01	37	8	4	3100	2.1
09...	1.6	.03	42	31	8	23300	2.7
13...	3.6	.13	47	116	28	2130	8.8
26...	6.1	.06	46	22	--	380	4.0
JULY							
24...	2.1	.06	<26	53	4	--	3.8
31...	3.1	.07	38	31	8	600	4.4
AUG.							
18...	2.3	.05	20	20	4	500	2.2
SEP.							
04...	2.1	.04	27	32	19	168	24
30...	1.8	.04	30	39	40	480	2.4

02336000 Chattahoochee River at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE MENT (MG/L)	SUS- PENDE MENT DIS- CHARGE (T/DAY)
MAY								
06...	0	0	<10	1	.0	10	98	1380
JUNE								
26...	--	0	<10	0	--	10	--	--
SEP.								
30...	--	0	0	8	--	3	--	--

APALACHICOLA RIVER BASIN

02336300 Peachtree Creek at Atlanta, Ga.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, on downstream side of bridge on Northside Drive at Atlanta, 0.4 mi (0.6 km) downstream from Tanyard Branch, and 4 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--86.8 mi² (225 km²).

PERIOD OF RECORD.--Discharge: June 1958 to current year.

Chemical analyses: November 1969 to May 1972. July to September 1975.

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft (232.86 m) above mean sea level, City of Atlanta bench mark. Prior to May 27, 1963, water-stage recorder at site 1,000 ft (305 m) downstream at same datum.

AVERAGE DISCHARGE.--17 years, 138 ft³/s (3.91 m³/s), 21.59 in/yr (548.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,350 ft³/s (236 m³/s) Mar. 13, gage height, 19.41 ft (5.916 m); minimum, 19 ft³/s (0.54 m³/s) Oct. 3, 4, 7, 8, 10, 14.

Period of record: Maximum discharge, 8,350 ft³/s (236 m³/s) Mar. 13, 1975, gage height, 19.41 ft (5.916 m); minimum daily, 8 ft³/s (227 l/s) Aug. 10, 1959.

REMARKS.--Records fair. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	25	281	98	77	115	96	158	257	58	644	106
2	21	25	82	81	81	113	532	116	74	57	242	63
3	20	24	64	112	702	91	444	903	63	80	110	56
4	21	24	54	299	1,660	89	138	183	65	70	149	53
5	21	120	49	93	1,250	86	110	97	57	300	90	53
6	21	42	48	75	273	84	99	79	139	100	259	78
7	20	26	251	70	160	161	92	486	121	70	197	156
8	20	25	127	342	120	131	87	177	92	60	326	110
9	20	24	56	151	113	79	270	115	63	55	83	57
10	19	23	48	582	99	152	191	92	521	50	139	78
11	20	158	45	961	95	266	130	72	1,200	48	129	373
12	20	164	44	732	220	330	93	69	449	47	67	270
13	20	37	42	302	98	5,830	83	64	143	46	58	151
14	20	86	40	127	87	2,040	538	66	109	45	59	66
15	24	101	528	104	84	325	278	419	107	60	59	51
16	394	36	182	93	760	458	127	468	93	46	55	48
17	55	54	78	86	987	276	104	703	77	70	76	188
18	36	302	63	81	497	911	95	440	82	56	47	1,600
19	27	71	256	83	458	534	87	144	593	42	45	256
20	24	498	151	157	160	210	82	103	364	664	44	152
21	23	99	75	81	119	170	79	83	187	448	42	132
22	23	48	61	74	138	156	76	73	91	116	42	212
23	24	39	57	83	318	145	75	71	76	369	40	354
24	24	35	457	211	950	1,110	76	72	70	575	39	203
25	24	33	263	1,020	184	225	82	70	67	1,270	38	101
26	23	32	106	183	133	130	77	68	131	525	76	83
27	24	32	72	117	115	120	69	68	69	219	394	75
28	23	32	94	49	117	110	68	195	83	291	827	71
29	25	31	479	91	-----	100	68	123	84	329	134	70
30	24	554	276	87	-----	430	76	94	60	552	94	68
31	25	-----	157	81	-----	110	-----	83	-----	433	140	-----
TOTAL	1,107	2,800	5,086	6,756	10,055	15,087	4,422	5,943	5,587	7,151	4,744	5,334
MEAN	35.7	93.3	164	218	359	487	147	192	186	231	153	178
MAX	394	554	979	1,020	1,660	5,830	538	903	1,200	1,270	827	1,600
MIN	19	23	40	70	77	79	68	64	57	42	38	48
CFSM	.41	1.07	1.89	2.51	4.14	5.61	1.69	2.21	2.14	2.66	1.76	2.05
IN.	.47	1.20	2.18	2.90	4.31	6.47	1.90	2.55	2.39	3.06	2.03	2.29

CAL YR 1974 TOTAL 52,322 MEAN 143 MAX 1,760 MIN 19 CFSM 1.65 IN 22.42
WTR YR 1975 TOTAL 74,072 MEAN 203 MAX 5,830 MIN 19 CFSM 2.34 IN 31.75

02336300 Peachtree Creek at Atlanta, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.74	4.29	3.64	3.76	4.07	4.15	3.92	3.62	3.67	3.57	3.80	3.44
2	3.73	3.86	3.58	4.77	4.19	5.92	3.83	3.62	3.65	3.94	3.60	3.43
3	3.73	5.36	5.30	3.87	5.79	4.89	3.82	4.18	3.64	4.05	3.55	3.42
4	3.73	3.79	5.20	6.40	4.37	4.08	3.92	3.73	3.64	3.75	3.53	3.51
5	3.71	3.64	4.37	5.56	4.05	4.03	3.80	3.62	3.63	4.38	4.19	3.84
6	3.74	3.59	4.25	4.10	4.42	3.87	3.78	3.60	3.62	3.69	6.99	3.59
7	3.69	3.57	5.26	3.85	4.67	3.86	3.94	3.58	3.78	3.63	4.05	3.47
8	3.64	3.55	4.03	3.77	4.01	4.47	5.42	4.76	3.63	3.60	3.86	3.45
9	3.68	3.56	3.77	4.38	3.93	3.89	3.94	4.02	4.56	3.58	3.68	3.44
10	3.64	3.56	3.69	12.08	3.89	3.82	3.81	3.70	4.17	3.57	4.36	3.41
11	3.68	3.58	3.81	11.90	3.88	3.80	3.86	3.65	3.69	3.56	3.70	3.38
12	3.64	3.55	3.62	5.33	4.82	3.79	3.82	3.63	3.63	3.55	3.63	3.38
13	3.68	3.56	3.64	6.93	4.98	3.79	3.75	6.37	3.62	3.62	3.71	3.41
14	3.67	3.54	3.57	5.59	4.07	4.11	3.73	6.56	3.60	4.01	3.69	3.37
15	3.82	3.54	3.55	4.55	3.94	3.81	3.71	4.28	3.59	3.66	3.57	3.37
16	3.78	3.55	3.83		4.08	4.63	3.70	3.99	3.59	3.79	3.56	3.37
17	3.65	3.55	4.25		4.30	4.06	3.68	3.91	3.58	4.38	3.55	3.63
18	3.67	3.55	3.78		4.25	4.00	3.67	3.88	4.04	4.69	3.54	4.41
19	3.66	3.60	3.62		4.02	3.88	3.67	3.88	4.63	4.19	3.53	3.56
20	3.63	3.67	4.15		3.85	3.79	3.67	3.99	8.26	3.64	3.59	3.48
21	3.81	3.55	3.73	4.36	3.84	3.78	3.66	3.85	4.65	3.57	3.53	3.44
22	3.88	3.53	3.62	4.28	3.84	4.70	5.94	4.20	3.92	3.54	3.50	3.42
23	3.76	3.54	3.56	4.13	3.84	3.87	4.25	3.91	3.76	3.54	3.48	3.41
24	3.71	4.97	3.55	4.09	3.86	3.79	3.87	3.89	3.69	3.53	3.48	3.40
25	3.74	3.83	3.54	4.11	3.88	3.89	3.74	4.02	3.65	4.11	3.65	3.39
26	3.66	3.58	3.53	4.04	4.27	3.79	3.68	3.76	3.65	4.01	3.94	3.47
27	3.64	3.72	3.53	4.03	3.93	3.76	3.65	3.69	3.93	3.66	3.69	3.47
28	3.63	3.67	3.53	4.01	3.84	4.51	3.64	3.68	3.81	4.75	3.49	3.44
29	3.62	5.71	3.52	5.38	3.83	5.04	3.64	3.69	3.65	4.91	3.46	4.01
30	3.62	3.88	4.26	5.03	-----	4.02	3.64	3.69	3.61	3.92	3.45	4.70
31	3.64	-----	4.75	4.21	-----	4.62	-----	3.73	-----	4.15	3.44	-----
MFAN	3.70	3.81	3.94		4.16	4.14	3.91	4.02	3.95	3.89	3.77	3.55
MAX	3.84	5.71	5.30		5.79	5.92	5.94	6.56	8.26	4.91	6.99	4.70
MTN	3.62	3.53	3.52		3.83	3.76	3.64	3.58	3.58	3.53	3.44	3.37

APALACHICOLA RIVER BASIN

02336300 Peachtree Creek at Atlanta, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.57	3.58	3.62	4.29	6.81	3.80	6.18	3.86	3.99	3.77	4.97	3.63
2	3.47	3.58	3.53	3.97	9.51	3.92	4.52	3.83	3.88	3.82	4.29	3.51
3	3.44	4.13	3.50	4.42	4.80	3.99	4.34	4.47	3.84	3.74	3.89	3.49
4	3.42	3.60	3.50	4.38	4.46	4.02	4.32	4.12	3.81	3.75	3.86	3.63
5	4.49	3.51	3.54	4.22	4.34	4.38	4.17	3.83	5.14	3.81	3.85	3.56
6	3.66	3.49	3.98	6.12	4.57	4.17	4.11	3.79	10.51	3.76	4.99	3.47
7	3.51	4.39	3.59	5.14	4.27	3.91	9.27	3.78	4.90	4.47	4.21	3.45
8	3.47	4.29	3.51	6.97	4.58	3.91	6.26	4.96	4.98	3.83	3.96	3.50
9	3.44	3.64	3.50	4.46	4.27	4.34	4.56	4.05	4.56	3.77	3.90	3.85
10	3.43	3.57	3.59	4.09	4.08	4.03	4.29	3.83	4.58	3.89	4.70	4.51
11	3.42	3.56	3.78	4.00	4.01	5.73	4.19	3.79	4.26	4.05	4.32	3.64
12	3.41	3.54	3.54	3.96	3.99	5.19	4.12	4.33	4.22	3.74	4.16	3.56
13	3.46	3.95	3.60	3.84	3.96	4.15	4.08	3.85	4.25	3.66	4.19	5.63
14	3.51	4.76	4.95	3.81	4.47	3.98	4.04	3.76	4.19	5.18	3.96	5.87
15	3.48	3.70	9.50	3.81	4.03	3.90	4.02	3.75	4.65	4.53	4.02	3.97
16	3.40	3.60	4.80	3.79	3.94	6.89	4.02	3.73	4.20	3.88	3.99	3.80
17	3.39	3.56	4.15	3.78	3.91	8.38	4.04	3.71		4.96	4.02	4.22
18	3.38	3.54	3.98	3.77	3.90	4.73	4.03	3.68		4.25	4.08	5.18
19	3.38	4.82	3.92	5.19	3.91	4.38	4.08	4.96	3.92	3.82		3.81
20	3.36	4.29	4.14	3.96	3.90	4.66	3.98	8.08	5.80	3.74		3.67
21	3.37	3.68	8.94	4.42	3.87	4.73	3.95		4.79	3.69	3.86	3.61
22	3.38	3.59	4.94	7.37	3.86	4.18	3.92		4.16	3.74	3.59	3.59
23	3.91	3.56	4.22	4.33	3.85	4.10	3.92		3.94	4.20	3.57	3.60
24	3.83	3.55	4.01	4.07	3.84	4.05	6.19	7.87	3.87	3.94	3.57	3.62
25	3.45	4.86	3.92	3.96	3.85	5.61	5.34	4.49	3.84	4.29	3.58	3.61
26	3.43	4.13	3.88	4.88	3.86	4.26	5.14	4.35	3.82	4.85	3.55	3.61
27	5.64	3.67	3.85	4.27	3.83	4.07	4.84	4.06	3.79	5.45	3.53	5.10
28	4.47	3.59	3.82	4.09	3.81	4.01	4.10	7.86	4.50	3.95	3.51	4.16
29	3.72	3.56	3.81	3.92	-----	4.14	3.96	5.57	4.24	3.85	3.50	3.77
30	3.63	3.96	3.80	3.85	-----	4.06	3.88	4.23	3.84	3.83	3.55	6.96
31	3.60	-----	6.40	3.83	-----	10.02	-----	4.01	-----	3.85	3.36	-----
MEAN	3.63	3.84	4.32	4.42	4.37	4.70	4.60			4.07		4.05
MAX	5.64	4.86	9.50	7.37	9.51	10.02	9.27			5.45		6.96
MTN	3.36	3.49	3.50	3.77	3.81	3.90	3.88			3.66		3.45

APALACHICOLA RIVER BASIN

205

02336300 Peachtree Creek at Atlanta, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.85	3.75		8.66	3.84			3.68	3.76	3.55	4.59	4.09
2	4.29	3.64		5.20	4.05		5.21	3.69	3.86	3.67	4.30	4.52
3	3.98	3.63		4.74	4.10		4.21	3.75	3.62	3.96	5.06	5.11
4	3.86	3.60		5.12	3.84		8.40	3.76	3.58	6.02	3.95	3.87
5	3.86	3.60		4.29	3.81		5.45	3.69	3.55	5.48	3.64	3.68
6	3.81	3.58		4.15	6.09		4.48	3.69	3.60	4.59	3.59	3.73
7	3.76	3.60		4.69	6.90		4.44	3.65	5.57	4.26	7.50	3.74
8	3.75	3.64		4.14	4.96		4.79	3.65	4.15	3.89	7.41	3.65
9	3.73	3.69		4.12	4.20		4.62	3.73	3.87	3.72	4.54	3.64
10	3.72	3.61			4.03			3.79	5.76	3.69	4.19	3.61
11	3.72	3.59			3.96			3.86	4.67	3.64	4.54	3.61
12	3.70	3.59		4.14	3.91			5.39	3.98	3.61	4.68	3.60
13	3.70	3.60		3.99	5.83			3.81	3.91	3.59	3.94	3.63
14	3.69	3.62		4.20	6.68			3.67	3.86	3.57	5.66	4.20
15	3.68	3.61		4.04	6.56			3.92	3.82	3.55	4.78	3.80
16	3.66	3.66		3.94	4.40			3.87	3.78	3.54	4.15	3.61
17	3.66	3.61		3.92	4.55			3.64	3.75	3.53	4.59	3.59
18	3.65	3.60		3.88	4.11			3.66	3.72	3.52	4.53	3.56
19	3.65	3.59		3.87	4.40			3.75	3.71	3.52	4.19	3.54
20	3.64	3.60		4.16	5.66		3.79	3.76	3.71	3.65	3.86	3.53
21				5.64	4.19		3.77	3.62	3.90	3.53	3.82	3.55
22				4.08			4.02	3.98	3.85	3.51	3.75	3.52
23				3.97			4.19	4.95	3.68	3.94	3.75	3.52
24				4.64		4.08	3.77	3.77	3.66	4.15	3.72	3.51
25				4.14		4.09	3.68	3.63	3.64	3.59	3.77	3.65
26	3.65			5.59		4.07	3.71	3.86	3.62	4.26	3.68	3.63
27	3.64		4.43	5.27		4.07	3.71	4.13	3.91	3.91	3.70	3.55
28	3.83		3.89	4.65		4.07	3.70	3.65	4.01	3.62	3.69	3.58
29	3.82		3.87	4.52	-----	5.25	3.69	3.60	3.64	3.57	4.37	3.53
30	3.65		4.24	4.06	-----	4.56	3.69	3.58	3.58	3.49	5.99	3.50
31	3.64	-----	4.25		-----		-----	3.58	-----	3.45	3.96	-----
MEAN								3.83	3.92	3.86	4.45	3.73
MAX								5.39	5.76	6.02	7.50	5.11
MIN								3.58	3.55	3.45	3.59	3.50

APALACHICOLA RIVER BASIN

02336300 Peachtree Creek at Atlanta, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	3.50	4.76	3.91	3.78	4.00	4.21	4.46	4.83		6.28	4.11
2	3.48	3.50	3.86	3.80	3.80	3.98	5.80	4.26	3.96		4.80	3.86
3	3.47	3.49	3.74	3.95	6.10	3.86	5.65	6.73	3.89		4.17	3.81
4	3.48	3.49	3.68	4.86	8.89	3.85	4.43	4.60	3.89		4.32	3.79
5	3.48	4.09	3.64	3.97	7.85	3.83	4.29	4.16	3.84		3.99	3.78
6	3.48	3.64	3.63	3.77	4.76	3.82	4.23	4.05	4.25		4.80	3.93
7	3.47	3.51	4.57	3.73	4.23	4.19	4.19	5.63	4.21		4.52	4.36
8	3.47	3.50	4.09	4.95	4.03	4.07	4.16	4.56	4.04		5.08	4.11
9	3.47	3.49	3.69	4.18	3.99	3.79	4.91	4.25	3.87		4.02	3.81
10	3.46	3.48	3.63	5.20	3.91	4.17	4.68	4.06	5.23		4.27	3.89
11	3.46	4.13	3.61	6.84	3.89	4.69	4.38	4.00	7.73		4.25	5.19
12	3.46	4.31	3.61	6.20	4.50	4.87	4.18	3.97	5.54		3.91	4.79
13	3.46	3.61	3.59	4.83	3.90	15.69	4.13	3.94	4.31		3.85	4.32
14	3.46	3.88	3.58	4.06	3.84	9.53	5.93	3.95	4.14		3.85	3.86
15	3.49	4.00	5.45	3.94	3.82	5.21	5.04	5.49	4.12		3.85	3.76
16	5.28	3.59	4.31	3.88	6.20	5.68	4.36	5.74	4.03	3.74	3.82	3.74
17	3.75	3.65	3.79	3.84	7.02	5.00	4.24	6.31	3.94	3.88	3.94	4.36
18	3.61	4.92	3.69	3.81	5.58	7.07	4.19	5.53	3.96	3.81	3.76	9.52
19	3.53	3.84	4.56	3.82	5.44	5.93	4.13	4.38	5.72	3.70	3.74	4.77
20	3.50	5.54	4.17	4.21	4.22	4.72	4.10	4.16	5.24	5.70	3.73	4.28
21	3.49	4.00	3.77	3.80	3.99	4.53	4.08	4.05	4.50	5.43	3.72	4.18
22	3.49	3.68	3.68	3.76	4.11	4.46	4.06	3.98	4.01	4.18	3.72	4.56
23	3.50	3.62	3.64	3.81	4.82	4.41	4.06	3.96	3.92	5.02	3.71	5.06
24	3.50	3.58	5.42	4.38	6.87	7.38	4.05	3.97	3.87	5.66	3.69	4.51
25	3.50	3.56	4.72	7.18	4.34	4.82	4.09	3.95	3.85	7.80	3.69	4.02
26	3.49	3.55	3.95	4.34	4.09	4.45	4.06	3.94	4.02	5.79	3.91	3.91
27	3.50	3.56	3.75	4.01	4.00	4.42	4.01	3.93	3.87	4.65	4.97	3.87
28	3.49	3.55	3.87	3.91	4.01	4.41	4.00	4.51	3.94	4.97	6.55	3.84
29	3.50	3.55	6.85	3.87	-----	4.40	3.99	4.24	3.96	5.19	4.26	3.83
30	3.49	5.51	4.76	3.84	-----	5.60	4.04	4.09		5.77	4.05	3.82
31	3.50	-----	4.04	3.80	-----	4.44	-----	4.00	-----	5.35	4.27	-----
MEAN	3.55	3.84	4.13	4.33	4.86	5.20	4.39	4.48			4.24	4.32
MAX	5.28	5.54	6.85	7.18	8.89	15.69	5.93	6.73			6.55	9.52
MIN	3.46	3.48	3.58	3.73	3.78	3.79	3.99	3.93			3.69	3.74

APALACHICOLA RIVER BASIN

207

02336300 Peachtree Creek at Atlanta, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
JULY 30...	0740	29	6.8	24.0	6.3	
SEP. 11...	0755	38	7.4	22.0	7.1	

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY 30...	48	.37	.09	.12	.06	48
SEP. 11...	50	.53	.07	.09	.05	52

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 30...	147	20	16	.9	4300	3.0
SEP. 11...	147	20	12	.9	12000	2.0

APALACHICOLA RIVER BASIN

02336300 Peachtree Creek at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 22...	0800	23	7.5	8.0	9.5
DEC. 02...	1015	82	6.3	4.5	10.8
JAN. 14...	0900	127	7.2	.5	11.2
FEB. 24...	0810	1260	6.5	13.0	9.2
APR. 08...	0730	85	7.0	12.0	8.4
MAY 01...	1030	88	6.8	18.5	--
01...	1600	205	6.5	--	--
01...	1930	345	6.4	--	--
02...	0830	108	6.7	--	--
13...	0800	64	6.7	18.5	5.5
JUNE 30...	0840	62	6.9	24.0	5.9
AUG. 11...	0800	125	7.1	22.0	7.5
SEP. 22...	0830	117	7.3	20.0	6.9

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 22...	52	.31	.10	.13	.04	52
DEC. 02...	29	.40	.14	.18	.13	32
JAN. 14...	31	.64	.19	.24	.08	39
FEB. 24...	11	.19	.05	.06	.33	17
APR. 08...	34	.71	.13	.17	.07	48
MAY 13...	35	.55	.15	.19	.09	48
JUNE 30...	41	.54	.19	.24	.11	43
AUG. 11...	24	.37	<.02	--	.18	25
SEP. 22...	41	.56	.25	.32	.12	40

02336300 Peachtree Creek at Atlanta, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
22...	150	15	11	1.4	2300	6.0
DEC.						
02...	97	50	44	1.8	15000	5.0
JAN.						
14...	114	40	33	1.7	12000	6.0
FEB.						
24...	48	170	320	3.0	9300	16
APR.						
08...	138	20	10	1.0	93000	3.0
MAY						
01...	145	--	10	--	--	7.1
01...	126	--	55	--	--	14
01...	99	--	110	--	--	27
02...	98	--	80	--	--	7.8
13...	138	5	10	1.2	4300	3.0
JUNE						
30...	130	80	13	--	7500	3.0
AUG.						
11...	82	120	160	2.6	150000	9.0
SEP.						
22...	130	20	14	.4	43000	13

DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
FEB.				
05...	1040	1620	753	3290
05...	1050	1630	844	3710
05...	1100	1640	966	4280
05...	1350	1270	850	2920
05...	1820	942	712	1810
06...	0925	267	104	75
18...	1730	457	303	374
19...	0805	571	452	697
19...	0830	556	152	228
19...	0845	550	184	273
19...	0930	526	852	1210
20...	1420	151	862	351
MAR.				
11...	1430	125	81	28
12...	1400	110	77	23
13...	1000	8200	1200	26600
13...	1520	7530	2520	51200
14...	0800	2780	1240	9310
14...	1045	1770	963	4600
14...	1540	744	500	1000
15...	0940	324	89	78
15...	1540	303	73	60
MAY				
01...	0920	86	31	7.3
01...	1600	205	280	155
01...	1630	215	314	182
01...	1700	223	340	205
01...	1730	239	338	218
01...	1930	345	876	816
02...	0830	108	145	42
07...	1235	781	1370	2890
07...	1500	1130	1550	4730
07...	1540	1150	1320	4100
07...	1600	991	1190	3180
JUNE				
12...	1400	282	147	112

APALACHICOLA RIVER BASIN

02337000 Sweetwater Creek near Austell, Ga.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, on right bank 100 ft (30 m) upstream from bridge on Interstate Highway 20, 400 ft (122 m) upstream from Blair Bridge, 3 mi (4.8 km) southeast of Austell, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--246 mi² (637 km²).

PERIOD OF RECORD.--Discharge: May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft (261.22 m) above mean sea level (levels by Corps of Engineers). May 6, 1904 to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi (4.0 km) upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--39 years (1904-5, 1937-75), 329 ft³/s (9.32 m³/s), 18.16 in/yr (461.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,910 ft³/s (224 m³/s) Mar. 15, gage height, 18.18 ft (5.541 m); minimum, 52 ft³/s (1.47 m³/s) Oct. 10, 11, 12, gage height, 0.70 ft (.213 m).

Period of record: Maximum discharge, 10,400 ft³/s (295 m³/s) Nov. 29, 1948, gage height, 18.4 ft (5.608 m); minimum daily, 2.1 ft³/s (59.5 l/s) Oct. 9, 1954.

Flood of July 8, 1916 reached a stage of about 20.0 ft (6.10 m), from information by local resident; discharge, 12,600 ft³/s (357 m³/s), from rating curve extended above 6,500 ft³/s (184 m³/s) on basis of contracted-opening measurement at gage height, 18.2 ft (5.55 m).

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1724: 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	103	545	853	250	458	633	591	341	215	383	167
2	75	100	422	500	300	447	587	825	290	225	272	151
3	69	98	350	410	600	407	724	808	245	210	193	131
4	66	98	236	710	1,500	383	633	1,300	213	185	195	113
5	65	110	205	612	2,820	371	542	724	195	166	248	99
6	64	126	188	493	2,900	359	479	461	190	170	309	99
7	69	106	225	320	2,120	356	444	654	299	275	285	146
8	65	100	654	600	881	407	422	923	636	275	367	154
9	57	94	570	800	577	362	458	913	395	248	268	133
10	52	90	479	1,200	507	359	647	573	278	195	239	122
11	53	97	320	2,000	458	425	605	444	514	220	704	125
12	53	180	260	1,400	514	612	496	389	703	198	367	143
13	54	156	233	1,000	486	2,560	428	371	479	168	258	212
14	54	142	218	700	425	7,040	594	323	350	152	204	143
15	54	170	311	591	386	7,330	909	416	272	162	170	121
16	142	146	503	447	626	4,870	752	608	245	220	153	110
17	132	132	380	392	1,260	2,260	573	650	228	213	139	111
18	107	284	302	350	1,240	1,310	479	696	205	266	123	229
19	83	269	275	335	1,820	2,010	416	675	205	174	117	311
20	75	335	344	380	1,510	1,680	377	486	263	154	112	229
21	71	335	314	350	913	1,040	356	374	228	148	108	165
22	70	228	275	300	587	692	338	326	195	146	104	151
23	71	185	260	260	563	587	329	293	176	160	103	199
24	74	166	489	500	895	941	320	269	164	154	101	247
25	71	160	748	1,500	1,060	1,300	314	245	178	239	97	244
26	71	148	811	1,000	986	1,100	311	230	210	272	127	293
27	72	142	429	700	587	689	305	230	176	190	148	204
28	72	134	454	500	496	545	299	230	166	158	396	169
29	100	128	439	350	-----	510	290	242	180	152	178	146
30	110	257	1,560	300	-----	780	296	272	190	176	137	133
31	110	-----	1,400	270	-----	780	-----	272	-----	326	204	-----
TOTAL	2,363	4,819	14,799	20,123	27,267	42,970	14,356	15,813	8,409	6,212	6,809	5,000
MEAN	76.2	161	477	649	974	1,386	479	510	280	200	220	167
MAX	142	335	1,560	2,000	2,900	7,330	909	1,300	703	326	704	311
MIN	52	90	188	260	250	356	290	230	164	146	97	99
CFSM	.31	.65	1.94	2.64	3.96	5.63	1.95	2.07	1.14	.81	.89	.68
IN.	.36	.73	2.24	3.04	4.12	6.50	2.17	2.39	1.27	.94	1.03	.76

CAL YR 1974 TOTAL 134,787 MEAN 369 MAX 4,140 MIN 52 CFSM 1.50 IN 20.38
WTR YR 1975 TOTAL 168,940 MEAN 463 MAX 7,330 MIN 52 CFSM 1.88 IN 25.55

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-6	0400	9.33	3,050	3-15	0100	18.18	7,910
2-19	1000	6.63	1,940				

02337000 Sweetwater Creek near Austell, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
OCT. 22...	0930	69	7.0	9.0	5.6	
DEC. 02...	1200	425	6.8	4.0	10.7	
JAN. 14...	1030	1030	6.8	2.0	11.6	
FEB. 24...	0925	940	6.6	11.0	8.2	
APR. 08...	0850	425	6.6	12.0	9.2	
MAY 13...	0910	380	6.7	19.0	7.3	
JUNE 09...	0930	1040	6.6	20.0	8.6	
JUNE 30...	0955	164	6.9	22.5	4.8	
AUG. 11...	0930	822	6.9	22.0	7.6	
SEP. 22...	1020	140	7.2	19.5	7.5	
DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT. 22...	36	.11	.25	.32	.22	28
DEC. 02...	17	.21	.10	.13	.13	24
JAN. 14...	12	.20	.04	.05	.09	16
FEB. 24...	10	.25	.03	.04	.21	14
APR. 08...	15	.28	.06	.08	.06	16
MAY 13...	16	.34	.05	.06	.08	19
JUNE 30...	29	.10	<.02	--	.10	24
AUG. 11...	17	.25	.10	.13	.32	16
SEP. 22...	24	.29	.10	.13	.13	16
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	106	33	9	3.6	7500	6.0
DEC. 02...	58	40	42	2.0	4300	6.0
JAN. 14...	46	70	50	1.0	4300	8.0
FEB. 24...	54	100	160	3.0	3900	15
APR. 08...	54	35	18	.9	1500	3.0
MAY 13...	59	40	33	1.1	1500	3.0
JUNE 30...	85	40	16	--	9300	5.0
AUG. 11...	50	160	270	3.6	15000	6.0
SEP. 22...	72	50	30	.8	2300	11
DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)		
MAR. 14...	1245	7580	569	11600		

APALACHICOLA RIVER BASIN

02337170 Chattahoochee River near Fairburn, Ga.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton County, at downstream end of pier of bridge on State Highways 74 and 92, 1.4 mi (2.3 km) downstream from Deep Creek, 8.5 mi (13.7 km) northwest of Fairburn, and at mile 281.8 (453.4 km).

DRAINAGE AREA.--2,060 mi² (5.335 km²).

PERIOD OF RECORD.--Discharge: July 1965 to current year.

Chemical analyses: February 1968 to May 1972, March 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft (219.17 m) above mean sea level (levels by Georgia Department of Transportation).

AVERAGE DISCHARGE.--10 years, 3,835 ft³/s (109 m³/s), 25.28 in/yr (642.1 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 31,800 ft³/s (901 m³/s) Mar. 14, gage height, 23.27 ft (7.093 m); minimum daily, 1,470 ft³/s (41.6 m³/s) Oct. 7.

Period of record: Maximum discharge, 32,700 ft³/s (926 m³/s) Jan. 11, 1972, gage height, 23.56 ft (7.181 m), from floodmark; minimum daily, 1,000 ft³/s (28.3 m³/s) July 1, 1970.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor. Flow regulated by Lake Sidney Lanier (see sta. 02334400).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,780	7,570	4,280	2,950	2,600	2,790	7,000	3,900	2,480	2,650	3,840	2,100
2	1,650	7,680	2,520	1,900	1,930	2,440	11,000	5,140	2,170	2,670	2,740	1,850
3	1,730	8,010	2,640	3,570	3,090	2,140	15,000	7,610	4,380	2,660	1,930	3,230
4	1,880	8,240	2,400	5,070	13,800	3,300	10,000	5,680	4,920	2,520	1,960	4,360
5	1,750	8,660	1,970	2,430	16,700	5,130	9,000	3,320	4,800	2,380	3,500	5,650
6	1,540	8,710	1,740	1,820	13,200	3,820	7,000	5,540	4,910	1,700	3,850	2,010
7	1,470	8,670	2,180	1,980	5,790	2,640	5,000	7,300	5,040	2,700	4,090	1,790
8	2,500	8,420	3,360	3,010	3,590	2,490	4,000	10,800	3,460	2,400	6,310	2,000
9	3,060	8,440	2,690	3,090	2,400	2,110	8,000	8,700	2,080	2,720	3,260	2,120
10	3,230	8,370	2,100	3,670	2,280	1,960	10,000	6,990	2,300	2,690	1,990	2,930
11	3,280	8,230	2,620	9,430	3,170	2,760	8,100	2,810	6,130	4,000	5,230	3,940
12	2,900	9,000	1,890	5,810	2,840	3,490	7,000	2,680	7,420	2,500	4,090	2,890
13	1,500	4,910	1,670	7,090	2,860	15,500	6,000	5,350	5,060	2,000	3,310	3,110
14	1,490	4,740	1,890	4,490	2,190	30,300	5,000	5,330	3,290	1,600	4,940	1,830
15	3,990	5,620	2,950	3,120	2,230	25,000	10,000	3,130	2,030	2,100	4,450	1,690
16	5,890	4,600	3,860	1,970	3,940	20,000	9,000	7,340	1,850	2,600	4,030	1,960
17	5,290	1,870	2,440	2,050	8,650	10,000	8,000	8,440	2,410	2,230	2,000	2,860
18	4,890	3,180	2,300	2,040	5,870	9,000	7,000	5,970	3,940	2,640	1,750	5,190
19	4,450	2,960	2,130	1,800	7,770	18,000	5,000	3,470	3,840	2,290	2,610	6,710
20	1,730	3,270	3,040	1,970	5,940	12,000	3,000	6,250	4,570	1,560	2,420	5,030
21	1,590	3,220	2,190	2,020	5,680	10,000	2,500	7,280	3,930	2,820	2,140	3,010
22	4,240	2,300	1,890	3,190	3,170	9,000	3,000	7,070	2,060	1,900	2,180	2,260
23	5,020	2,100	1,850	1,800	3,010	8,400	2,790	7,240	1,740	2,730	2,190	2,490
24	4,920	1,750	3,470	1,890	6,010	9,500	2,900	6,260	1,930	2,780	1,530	2,810
25	5,040	1,780	4,630	7,790	6,180	12,000	3,260	2,180	2,280	7,270	1,480	2,160
26	4,990	1,580	3,850	5,870	4,000	10,000	4,620	1,930	2,570	3,640	2,910	2,390
27	5,930	1,720	2,110	3,930	3,500	9,000	2,400	2,550	1,950	1,970	3,490	2,210
28	5,420	2,010	2,060	2,580	3,000	8,000	3,610	2,890	1,710	2,530	7,390	1,760
29	7,700	2,040	4,770	2,180	-----	7,000	4,030	2,970	2,360	3,910	3,860	1,640
30	7,620	2,210	6,080	2,340	-----	4,000	3,390	2,700	1,790	2,890	2,270	2,400
31	7,560	-----	5,170	2,270	-----	5,000	-----	2,280	-----	2,880	1,700	-----
TOTAL	116,030	151,860	88,740	105,120	145,390	266,770	186,600	161,100	99,400	83,930	99,440	86,380
MEAN	3,743	5,062	2,863	3,391	5,193	8,605	6,220	5,197	3,313	2,707	3,208	2,879
MAX	7,700	9,000	6,080	9,430	16,700	30,300	15,000	10,800	7,420	7,270	7,390	6,710
MIN	1,470	1,580	1,670	1,800	1,930	1,960	2,400	1,930	1,710	1,560	1,480	1,640

CAL YR 1974 TOTAL 1,544,590 MEAN 4,232 MAX 23,200 MIN 1,400 MEAN† 3,937 CFSM† 1.91 IN† 25.93
WTR YR 1975 TOTAL 1,590,760 MEAN 4,358 MAX 30,300 MIN 1,470 MEAN† 4,348 CFSM† 2.11 IN† 28.64

† Adjusted for change in contents in Lake Sidney Lanier.

NOTE.--No gage-height record Feb. 26-28, Mar. 15 to Apr. 22, July 12-16.

02337170 Chattahoochee River near Fairburn, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAR.						
20...	1030	2710	117	6.0	17.0	--
APR.						
02...	1045	7250	74	6.0	18.0	5.4
16...	1030	6620	73	7.8	13.5	7.4
MAY						
08...	0930	1930	73	8.6	16.8	3.6
14...	1145	3170	64	7.5	19.5	3.9
JUNE						
11...	1115	3910	77	8.6	22.0	4.3
26...	1130	1630	77	6.7	--	--
AUG.						
13...	1115	4450	64	8.5	23.0	6.8
29...	1130	1700	82	6.0	23.0	5.7
SEP.						
24...	1230	1590	88	8.5	19.0	5.4

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)
MAR.							
20...	11	3300	.31	.84	.26	1.1	1.4
APR.							
02...	8.9	13000	.32	.46	1.1	1.6	1.9
16...	9.4	3400	.40	.26	.08	.34	.74
MAY							
08...	10	--	.35	.70	.27	.97	1.3
14...	10	1500	.36	.54	.08	.62	.98
JUNE							
11...	8.5	--	.44	.37	.73	1.1	1.5
26...	10	1700	.56	.59	.26	.85	1.4
AUG.							
13...	8.7	3900	.53	.34	.76	1.1	1.6
29...	8.5	1600	.45	.61	.30	1.0	1.5
SEP.							
24...	10	1100	.43	1.1	.30	1.4	1.8

DATE	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TUR- BID- ITY (JTU)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR.							
20...	6.2	.55	69	78	30	650	--
APR.							
02...	8.5	.19	45	481	200	45000	11
16...	3.3	.24	53	66	40	33300	4.5
MAY							
08...	5.8	.36	36	11	10	--	6.8
14...	4.3	.32	36	36	100	13200	4.7
JUNE							
11...	6.8	.43	54	504	100	51500	5.1
26...	6.2	.32	70	22	20	--	12
AUG.							
13...	7.2	.45	60	170	60	34900	1.9
29...	6.4	.28	60	10	10	--	3.0
SEP.							
24...	8.1	.52	76	5	10	44600	3.0

APALACHICOLA RIVER BASIN

Chattahoochee River near Fairburn, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAR. 20...	0	1	8	31	.2	40
APR. 02...	12	0	--	0	--	0
16...	4	1	0	10	--	50
AUG. 29...	3	1	10	26	.2	50

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR. 20...	3	1	25	80	.2	140

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVFD OXYGEN (MG/L)
NOV. 21...	1230	2520	50	8.1	15.0	6.5
DEC. 05...	1215	1710	83	8.6	10.0	9.2
23...	1100	3290	48	8.5	7.0	--
FEB. 07...	1100	6140	66	--	5.0	10.6
MAR. 05...	1215	6960	59	6.3	6.0	10.2
14...	1640	31500	--	--	--	--
19...	1340	16800	47	7.0	11.0	--
APR. 04...	1300	9560	50	5.7	12.0	9.5
18...	1130	7050	59	6.3	16.0	9.1
MAY 06...	1315	6330	61	--	19.5	8.5
14...	1200	5180	59	--	18.0	8.4
19...	1100	2930	82	--	21.0	7.1
28...	1230	2360	76	--	22.0	5.5
JUNE 04...	1215	4810	66	--	18.5	6.5
09...	1300	1970	--	--	24.8	4.0
13...	1305	5470	58	--	20.5	7.0
26...	1215	2130	80	--	24.0	4.7
JULY 24...	1315	2170	81	5.6	24.0	5.2
28...	1030	2870	74	8.0	26.0	4.2
31...	1250	2360	74	5.6	24.0	3.7
AUG. 18...	1300	1550	97	6.5	27.5	4.7
19...	0725	2890	79	6.7	26.0	5.1
SEP. 04...	1315	4650	57	6.9	19.0	7.3
16...	0930	1920	89	6.9	21.0	5.1
30...	1220	1890	88	6.7	21.0	5.9

Chattahoochee River near Fairburn, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)
NOV.							
21...	8.4	780	.28	.59	.51	1.1	1.4
DEC.							
05...	10	1500	.38	.77	.63	1.4	1.8
23...	11	1800	.31	.97	.53	1.5	1.8
FEB.							
07...	8.8	3400	.30	.31	.59	.90	1.2
MAR.							
05...	8.1	3900	.29	.27	.51	.78	1.1
19...	6.1	7500	.22	.09	.42	.51	.73
APR.							
04...	7.5	4000	.28	.15	.34	.49	.77
18...	8.3	2000	.28	.26	.44	.70	.98
MAY							
06...	9.7	5200	.44	.18	.64	.82	1.3
14...	8.7	2100	.38	.19	.42	.61	.99
19...	11	3400	.61	.24	.65	.89	1.5
28...	11	1200	.48	.43	.31	.74	1.2
JUNE							
04...	8.7	3100	.47	.23	.30	.53	1.0
09...	11	2100	.57	.58	.42	1.0	1.6
13...	8.7	140	.42	.16	.72	.88	1.3
26...	11	2600	.49	.62	.88	1.5	2.0
JULY							
24...	8.7	5200	.61	.56	.64	1.2	1.8
28...	--	1100	--	--	--	--	--
31...	9.7	7500	.42	.36	1.0	1.4	1.8
AUG.							
18...	10	1700	.76	.80	.40	1.2	2.0
19...	--	1500	--	--	--	--	--
SEP.							
04...	7.9	3100	.48	.31	.57	.88	1.4
16...	--	1530	--	--	--	--	--
30...	12	1500	.67	.78	.72	1.5	2.2

DATE	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.							
21...	6.1	.34	46	98	--	--	5.3
DEC.							
05...	7.9	.46	76	16	--	--	2.1
23...	8.0	.38	56	14	--	--	4.7
FEB.							
07...	5.3	.26	41	60	--	4600	7.0
MAR.							
05...	4.7	.21	25	162	6	--	5.6
19...	3.2	.17	30	45	8	3200	5.6
APR.							
04...	3.4	.15	44	146	6	9500	3.2
18...	4.3	.25	50	39	6	8100	--
MAY							
06...	5.6	.36	44	113	26	72000	9.0
14...	4.4	.19	36	50	4	15400	19
19...	6.6	.32	61	70	12	1400	6.6
28...	5.4	.31	41	33	14	55000	8.1
JUNE							
04...	4.4	.26	54	118	10	73000	5.2
09...	7.0	.33	60	44	16	23300	6.0
13...	5.4	.31	52	58	24	--	10
26...	8.8	.44	69	79	--	41000	5.9
JULY							
24...	8.0	.54	>56	126	12	--	6.8
28...	--	.39	--	--	--	--	4.0
31...	8.1	.53	62	145	10	37000	16
AUG.							
18...	8.7	.36	58	35	4	550	3.0
19...	--	.56	--	53	--	--	6.0
SEP.							
04...	6.0	.38	38	65	17	26000	17
16...	--	.86	--	56	--	--	13
30...	7.6	.60	62	33	4	11500	3.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

02337438 Dog River near Fairplay, Ga.

LOCATION.--Lat 33°37'20", long 84°47'35", Douglas County, at bridge on State Highway 166, 2.3 mi (3.7 km) upstream from mouth, and 4.2 mi (6.8 km) east of Fairplay.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY					
16...	0915	--	6.5	23.0	8.0
30...	1010	47	6.7	23.5	8.1
SEP.					
11...	1015	32	7.4	23.0	8.1

DATE	TOTAL IRON (FF) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY							
16...	940	120	13	.18	<.02	--	<.02
30...	2400	70	8	.26	.05	.06	.09
SEP.							
11...	1600	100	14	.29	<.02	--	.03

DATE	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY								
16...	6	10	32	30	14	.5	430	3.0
30...	98	7	31	120	145	1.2	2300	3.0
SEP.								
11...	7	10	34	55	20	--	--	1.0

APALACHICOLA RIVER BASIN

02337438 Dog River near Fairplay, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
OCT. 22...	1110	--	7.0	8.0	9.1		
DEC. 02...	1430	73	6.7	6.5	11.8		
JAN. 14...	1300	170	6.8	2.0	13.7		
FEB. 24...	1050	584	6.5	10.5	9.9		
APR. 08...	0950	198	7.2	12.0	10.2		
MAY 13...	1010	335	6.6	17.0	9.2		
JUNE 30...	1120	61	6.9	22.0	8.5		
AUG. 19...	0815	56	7.3	22.0	8.3		
SEP. 17...	0900	47	7.0	18.0	8.6		

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT. 22...	1300	180	16	.06	<.02	--	<.02
DEC. 02...	2000	110	9	.22	.03	.04	.04
JAN. 14...	950	90	8	.24	<.02	--	.02
FEB. 24...	6700	120	4	.17	<.02	--	.18
APR. 08...	560	<50	7	.16	.02	.03	<.02
MAY 13...	950	60	7	.19	<.02	--	<.02
JUNE 30...	1300	60	10	.19	<.02	--	.02
AUG. 19...	850	60	12	.17	<.02	--	<.02
SEP. 17...	1570	90	12	.15	.04	.05	.03

DATE	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	<1	10	39	45	11	1.4	390	3.0
DEC. 02...	14	10	34	40	38	.6	930	3.0
JAN. 14...	12	10	32	30	21	.1	430	3.0
FEB. 24...	168	8	28	120	216	2.0	2300	9.0
APR. 08...	8	7	26	20	11	.4	150	1.0
MAY 13...	15	9	28	20	19	.7	2300	1.0
JUNE 30...	10	8	30	40	20	--	<30	2.0
AUG. 19...	9	10	36	40	22	.5	230	5.0
SEP. 17...	8	8	31	55	25	.4	230	3.0

02337500 Snake Creek near Whitesburg, Ga.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, at downstream end of left bank pier of highway bridge, at Banning Mills, 1.5 mi (2.4 km) north of State Highway 16, 3 mi (4.8 km) northwest of Whitesburg, 4 mi (6.4 km) downstream from Little Snake Creek, and 7 mi (11.3 km) upstream from mouth.

DRAINAGE AREA.--37 mi² (96 km²), approximately.

PERIOD OF RECORD.--Discharge: September 1954 to current year.

Chemical analyses: December 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 850 ft (259 m), from topographic map.

AVERAGE DISCHARGE.--21 years, 57.1 ft³/s (1.63 m³/s), 20.96 in/yr (532.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,020 ft³/s (114 m³/s) Mar. 13, gage height, 10.54 ft (3.216 m); minimum daily, 11 ft³/s (.312 m³/s) Oct. 9-15.

Period of record: Maximum discharge, 7,690 ft³/s (218 m³/s) Feb. 25, 1961, gage height, 14.40 ft (4.389 m); minimum, 2.3 ft³/s (65.1 l/s) Oct. 7, 1954, gage height, 1.56 ft (.475 m).

REMARKS.--Records good except those for periods of no gage-height record, which are fair.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	28	51	49	70	105	87	95	57	41	35
2	12	13	26	48	52	68	336	82	80	47	38	27
3	12	13	25	45	104	63	235	99	64	44	35	25
4	12	13	23	80	342	62	140	87	59	41	35	23
5	12	18	22	60	278	61	121	79	58	40	40	23
6	12	17	49	50	151	59	113	76	61	47	51	27
7	12	15	70	45	102	59	107	103	60	66	50	30
8	12	15	130	70	85	60	103	90	56	49	42	28
9	11	15	80	90	79	56	134	85	54	43	41	26
10	11	14	50	150	72	63	135	79	57	43	63	24
11	11	17	35	200	68	81	117	75	95	64	84	39
12	11	26	30	140	98	106	106	74	117	45	60	41
13	11	21	27	100	70	1,270	101	72	85	40	48	31
14	11	20	25	80	62	561	182	70	66	38	43	26
15	11	18	50	60	59	176	165	79	62	37	39	23
16	26	18	35	54	105	165	128	94	60	37	36	23
17	18	18	32	50	244	127	114	87	56	41	34	40
18	14	17	30	45	147	340	108	81	53	40	33	44
19	14	17	33	50	153	291	101	74	51	37	35	32
20	13	16	35	60	107	154	99	70	53	50	35	27
21	13	78	31	50	89	126	95	67	55	46	31	25
22	13	46	28	45	86	114	92	65	49	40	30	25
23	13	33	28	43	87	111	90	63	47	38	29	73
24	13	28	111	80	152	500	88	62	45	38	28	64
25	13	26	87	150	101	196	87	59	43	46	27	44
26	13	24	61	100	87	135	85	80	45	66	26	38
27	13	24	49	75	81	119	82	74	44	58	25	34
28	13	41	47	65	73	112	80	66	48	43	27	32
29	13	40	88	58	-----	110	82	62	44	44	28	30
30	13	31	83	55	-----	139	89	60	60	48	27	29
31	13	-----	61	51	-----	114	-----	70	-----	45	36	-----
TOTAL	401	705	1,509	2,300	3,183	5,668	3,620	2,371	1,822	1,418	1,197	988
MEAN	12.9	23.5	48.7	74.2	114	183	121	76.5	60.7	45.7	38.6	32.9
MAX	26	78	130	200	342	1,270	336	103	117	66	84	73
MIN	11	13	22	43	49	56	80	59	43	37	25	23
CFSM	.35	.64	1.32	2.01	3.08	4.95	3.27	2.07	1.64	1.24	1.04	.89
IN.	.40	.71	1.52	2.31	3.20	5.70	3.64	2.38	1.93	1.43	1.20	.99

CAL YR 1974 TOTAL 17,819 MEAN 48.8 MAX 824 MIN 11 CFSM 1.32 IN 17.92
 WTR YR 1975 TOTAL 25,182 MEAN 69.0 MAX 1,270 MIN 11 CFSM 1.86 IN 25.32

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3-13	1130	10.54	4,020	4-2	1745	5.79	1,190
3-24	1200	7.03	1,680				

NOTE.--No gage-height record Dec. 7-16, Jan. 2-27, May 24 to June 3.

APALACHICOLA RIVER BASIN

02337500 Snake Creek near Whitesburg, Ga.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
JUNE 30...	0930	28	6.2	21.0	8.6						
DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)
JUNE 30...	10	30	210	90	.8	.7	2.3	.8	14	0	11
DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO ₂) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUNE 30...	1.8	1.4	.2	.31	1.4	.01	.03	.14	.32	.01	.01
DATE	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO ₄) (MG/L)	DIS- SOLVED ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JUNE 30...	.01	.14	.15	.29	1.3	.01	.00	.03	.01	36	5
DATE	NON- CAR- BONATE HARD- NESS CORAL T (MG/L)	COLOR (PLAT- INUM- CORAL T (UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 30...	0	38	1.2	0	0	1	3	4	.0	0	20

02338000 Chattahoochee River near Whitesburg, Ga.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll County, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Central of Georgia Railroad bridge, 1.2 mi (1.9 km) southeast of Whitesburg, 1.5 mi (2.4 km) downstream from Cedar Creek, 2.0 mi (3.2 km) downstream from Snake Creek, and at mile 259.8 (418.0 km).

DRAINAGE AREA.--2,430 mi² (6,290 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1938 to June 1954, January 1965 to current year.
Chemical analyses: February 1968 to May 1972.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft (207.89 m) above mean sea level. Prior to May 1, 1949, nonrecording gage at site 1.0 mi (1.6 km) upstream at datum 2.00 ft (.610 m) higher. May 1, 1949 to June 30, 1954, nonrecording gage at present site at datum 2.00 ft (.610 m) higher.

AVERAGE DISCHARGE.--25 years (1938-53, 1965-75), 3,989 ft³/s (113 m³/s), 22.29 in/yr (566.2 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 36,400 ft³/s (1,030 m³/s) Mar. 14, gage height, 21.48 ft (6.547 m); minimum daily, 1,360 ft³/s (38.5 m³/s) Oct. 21.
Period of record: Maximum discharge, 59,000 ft³/s (1,670 m³/s) Jan. 10, 1946, gage height, 25.1 ft (7.65 m), site and datum then in use, from graph based on gage readings, from rating extended above 30,000 ft³/s (850 m³/s) on basis of velocity-area and channel-capacity studies; minimum daily, 468 ft³/s (13.3 m³/s) Oct. 26, 1941.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier (see sta. 02334400).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,890	7,530	5,130	4,540	3,270	3,980	7,840	4,060	3,090	2,860	4,020	2,350
2	1,770	7,530	2,950	2,860	3,150	3,790	10,500	6,400	2,800	3,400	3,830	2,190
3	1,640	7,910	2,490	3,370	3,170	3,020	16,500	6,900	4,090	3,050	2,530	2,910
4	2,160	8,140	2,870	6,040	15,200	4,510	10,800	8,190	5,450	3,090	2,190	4,210
5	2,100	8,410	2,150	3,920	19,700	5,540	9,560	4,210	5,360	2,880	3,320	5,770
6	1,500	8,540	1,600	2,740	17,800	5,540	8,990	5,610	5,400	2,420	4,480	3,250
7	1,370	8,570	1,940	2,400	8,830	3,940	6,210	7,410	5,640	3,070	5,030	1,980
8	2,370	8,110	3,290	3,440	5,560	3,480	7,800	11,200	4,880	2,970	6,150	2,320
9	3,290	8,480	3,070	4,740	3,900	3,140	8,800	9,710	2,870	3,250	5,090	2,240
10	3,380	8,000	2,310	4,100	3,370	2,660	10,400	8,220	2,860	3,220	2,890	2,960
11	3,470	8,080	2,590	10,800	3,690	4,070	9,400	4,510	5,400	4,640	5,380	4,130
12	3,500	8,880	2,160	7,120	4,760	5,220	8,920	3,010	8,760	2,960	5,420	3,540
13	2,040	5,710	1,550	9,420	3,900	14,700	8,440	5,090	5,770	2,150	4,170	3,640
14	1,480	4,680	1,740	6,170	3,810	33,400	6,110	6,240	4,670	1,880	4,460	2,320
15	3,030	5,550	2,080	4,730	2,900	33,900	11,400	4,690	3,100	2,420	5,480	1,920
16	5,600	4,940	4,620	3,200	4,470	23,800	10,000	6,950	2,370	2,490	4,640	2,120
17	5,780	2,720	2,830	2,670	11,700	12,700	9,280	9,350	2,530	2,910	3,530	3,870
18	5,070	2,310	2,490	3,030	8,900	12,400	8,130	7,950	3,900	3,180	1,970	5,090
19	4,830	3,480	2,140	2,720	9,910	20,300	6,920	4,330	4,400	2,980	2,760	6,830
20	2,880	3,040	3,390	2,670	7,470	15,300	4,050	5,980	5,240	2,170	2,910	5,390
21	1,360	3,830	2,640	2,890	7,600	11,500	3,160	7,940	4,870	3,060	2,750	3,460
22	3,450	2,640	2,010	3,580	4,790	10,200	4,260	7,770	3,180	2,500	2,440	2,540
23	4,980	2,240	1,970	3,190	4,620	9,490	3,800	7,730	2,200	2,690	2,730	3,200
24	5,090	1,920	3,580	2,620	7,030	10,300	3,670	7,370	2,060	3,480	2,130	3,490
25	5,090	1,490	6,040	7,910	8,150	14,200	3,950	3,770	2,680	6,540	1,670	2,490
26	5,080	1,690	5,460	9,130	5,220	11,100	4,820	2,450	2,970	5,270	2,160	2,940
27	5,780	1,870	3,100	5,340	4,570	9,910	4,050	2,980	2,790	3,230	3,960	2,740
28	5,400	2,110	2,560	4,190	4,220	9,340	3,500	3,410	2,060	2,870	7,220	2,170
29	7,450	2,440	4,150	3,150	-----	9,090	5,010	3,780	2,750	3,820	4,820	2,000
30	7,680	1,820	8,260	3,440	-----	6,800	4,360	3,570	2,180	4,200	3,290	2,220
31	7,350	-----	5,980	3,190	-----	5,730	-----	3,100	-----	3,950	2,020	-----
TOTAL	117,860	152,660	99,140	139,310	191,660	323,050	220,530	183,880	116,320	99,600	115,440	96,280
MEAN	3,802	5,089	3,198	4,494	6,845	10,420	7,351	5,932	3,877	3,213	3,724	3,209
MAX	7,680	8,880	8,260	10,800	19,700	33,900	16,500	11,200	8,760	6,540	7,220	6,830
MIN	1,360	1,490	1,550	2,400	2,900	2,660	3,160	2,450	2,060	1,880	1,670	1,920

CAL YR 1974 TOTAL 1,702,750 MEAN 4,665 MAX 28,100 MIN 1,200 MEAN† 4,370 CFSM† 1.80 IN† 24.43
WTR YR 1975 TOTAL 1,855,730 MEAN 5,084 MAX 33,900 MIN 1,360 MEAN† 5,074 CFSM† 2.09 IN† 28.37

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02338720 Chattahoochee River near La Grange, Ga.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, at La Grange water works intake 1.2 mi (1.9 km) upstream from Yellowjacket Creek, and 5.3 mi (8.5 km) northwest of La Grange.

DRAINAGE AREA.--3,010 mi² (7,800 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY				
16...	1125	6.8	28.0	6.5
31...	1015	6.5	28.0	5.7
SEP.				
11...	1525	7.2	27.0	7.0

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY							
16...	830	80	15	.89	<.02	--	.31
31...	2150	160	15	1.0	.03	.04	.42
SEP.							
11...	1800	90	17	.95	.05	.06	.29

DATE	HARD- NESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY							
16...	14	67	30	27	1.1	430	3.0
31...	16	71	40	80	1.2	2300	4.0
SEP.							
11...	18	69	20	26	--	--	3.0

Q2338720 Chattahoochee River near La Grange, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.				
22...	1700	6.6	16.0	8.8
DEC.				
03...	1145	6.4	9.0	7.4
JAN.				
15...	0900	6.8	5.0	9.5
FEB.				
25...	0830	6.8	11.0	7.0
APR.				
08...	1425	7.1	16.0	8.2
MAY				
13...	1430	7.5	25.5	7.0
JULY				
08...	1445	7.4	28.0	7.7
AUG.				
19...	1215	9.0	31.0	7.8
SEP.				
17...	1130	6.7	23.5	4.6

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
22...	580	50	14	.44	.04	.05	.14
DEC.							
03...	1860	50	14	.52	.26	.33	.23
JAN.							
15...	2800	60	12	.35	.04	.05	.20
FEB.							
25...	1600	80	10	.40	.07	.09	.11
APR.							
08...	700	50	10	.29	.04	.05	.08
MAY							
13...	890	<50	10	.24	<.02	--	.11
JULY							
08...	550	<50	18	.17	.07	.09	.07
AUG.							
19...	200	<50	20	<.02	<.02	--	.03
SEP.							
17...	330	70	17	.53	.22	.28	.05

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
22...	13	50	10	9	2.2	4300	3.0
DEC.							
03...	14	64	60	35	1.7	23000	4.0
JAN.							
15...	14	48	140	108	.6	4300	5.0
FEB.							
25...	13	51	60	42	1.0	23000	5.0
APR.							
08...	11	42	30	17	1.0	4300	2.0
MAY							
13...	11	47	10	22	3.0	150	4.0
JULY							
08...	18	66	15	20	2.0	36	5.0
AUG.							
19...	17	68	5	4	2.7	43000	4.0
SEP.							
17...	16	67	5	5	1.1	<30	3.0

02339400 West Point Lake near West Point, Ga.

LOCATION.--Lat 32°55'05", long 85°11'17", Troup County, at forebay of dam on Chattahoochee River, 2.3 mi (3.7 km) upstream from Oseligee Creek, 3.0 mi (4.8 km) north of West Point, 3.2 mi (5.1 km) upstream from bridge on U.S. Highway 29, and at mile 201.4 (324.1 km).

DRAINAGE AREA.--3,440 mi² (8,910 km²).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 627,300 acre-ft (773 hm³) July 28, elevation, 635.87 ft (193.81 m); minimum, after first filling, 569,100 acre-ft (702 hm³) Sept. 16, elevation, 633.60 ft (193.12 m).

REMARKS.--Lake is formed by concrete gravity dam with earth dikes at either side. Spillway, crest elevation, 597 ft (181.97 m) is equipped with 6 taintor gates 50 ft (15.2 m) wide by 41 ft (12.5 m) high. Total capacity at elevation 641 ft (195.38 m), maximum flood control pool, 774,800 acre-ft (955 hm³). Capacity at elevation 635 ft (193.55 m), maximum power pool, 306,100 acre-ft (377 hm³). Dead storage below elevation 620 ft (188.98 m), minimum power pool, 298,400 acre-ft (368 hm³). Filling began Oct. 16, 1974, power operations commenced on Mar. 10, 1975 with pool elevation at 617 ft (188.06 m). Filling was resumed May 1, 1975, and water reached maximum power pool elevation, 635 ft (193.55 m) June 10, 1975. Lake is used for flood control and power.

COOPERATION.--Records furnished by Corps of Engineers.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	562.1	300	-
Oct. 31.....	595.6	62,000	+61,700
Nov. 30.....	616.8	251,700	+189,700
Dec. 31.....	616.2	243,500	-8,200
CAL YR 1974.....	-	-	+243,500
Jan. 31.....	616.21	243,700	+200
Feb. 28.....	616.41	246,300	+2,600
Mar. 31.....	616.39	246,100	-200
Apr. 30.....	617.00	254,400	+8,300
May 31.....	634.62	594,800	+340,400
June 30.....	634.73	597,600	+2,800
July 31.....	635.16	608,700	+11,100
Aug. 31.....	634.44	590,200	-18,500
Sept. 30.....	634.10	581,600	-8,600
WTR YR 1975.....	-	-	+581,300

NOTE.--Elevations at 0800 through Dec. 31, and at 2400 thereafter.

02339500 Chattahoochee River at West Point, Ga.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, on right bank just downstream from Oseligee Creek at West Point, 1 mi (1.6 km) upstream from bridge on U.S. Highway 29, and at mile 198.9 (320.0 km).

DRAINAGE AREA.--3,550 mi² (9,190 km²), approximately.

PERIOD OF RECORD.--Discharge: July 1896 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 0.8 mi (1.3 km) downstream since 1899 are contained in reports of National Weather Service. Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft (168.15 m) above mean sea level. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 2.83 ft (.863 m) lower. Oct. 20, 1912 to Jan. 25, 1925, nonrecording gage at site 500 ft (152 m) upstream at present datum.

AVERAGE DISCHARGE.--79 years, 5,632 ft³/s (159 m³/s), 21.54 in/yr (547.1 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 46,900 ft³/s (1,330 m³/s) Apr. 3, gage height, 18.88 ft (5.755 m); minimum daily, 652 ft³/s (18.5 m³/s) May 25.

Period of record: Maximum discharge, 134,000 ft³/s (3,790 m³/s) Dec. 10, 1919, gage height, 30.0 ft (9.14 m) at site then in use; 29.25 ft (8.92 m) at present site, from floodmarks, from rating extended above 80,000 ft³/s (2,270 m³/s) on basis of computation of peak flow over Langdale Dam; minimum, 224 ft³/s (6.34 m³/s) Sept. 12, 1925, gage height, 1.64 ft (.500 m).

Maximum stage known since at least 1827, that of Dec. 10, 1919.

Flood in 1886 reached a stage of 25.6 ft (7.80 m) at former site and datum, from floodmark, by National Weather Service, discharge, 92,500 ft³/s (2,620 m³/s).

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (see sta. 02334400 and West Point Lake beginning October 1974). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,950	4,890	7,030	7,110	3,280	6,460	9,450	944	1,050	4,760	10,200	5,180
2	2,160	3,040	7,630	5,620	2,370	5,270	15,200	837	6,840	4,680	5,320	4,700
3	2,050	2,770	3,620	3,240	4,460	4,100	44,400	857	6,880	4,660	1,090	5,570
4	1,930	2,070	4,220	5,040	13,200	4,600	29,300	743	8,440	4,700	6,320	7,470
5	2,380	2,200	4,150	8,680	27,300	6,520	15,200	2,600	8,440	1,090	6,040	1,160
6	2,350	2,240	2,940	5,870	26,600	8,370	13,600	1,100	8,330	1,080	6,100	1,970
7	1,870	2,150	2,630	4,220	18,600	5,730	12,000	1,290	1,060	5,470	9,420	1,970
8	1,730	2,070	3,120	6,110	8,660	5,740	10,300	1,540	908	7,580	7,730	6,620
9	2,600	1,800	5,420	8,440	6,980	5,070	10,300	1,200	4,740	9,100	4,240	4,690
10	3,420	1,890	4,630	6,380	5,260	5,610	15,000	683	5,470	8,640	1,400	2,990
11	3,590	1,970	3,470	12,200	4,680	6,430	15,400	663	6,230	8,670	7,980	7,120
12	3,700	2,060	4,140	22,000	9,460	9,030	17,600	5,420	12,100	970	10,700	5,460
13	3,690	2,110	4,150	15,900	7,800	12,200	12,100	2,580	16,300	767	11,700	3,450
14	2,440	3,410	3,590	13,500	6,910	35,300	14,100	656	5,140	4,460	7,280	2,040
15	1,890	6,570	2,950	7,740	5,060	40,500	20,600	1,100	1,080	4,550	8,620	5,320
16	3,770	6,480	6,310	6,350	8,110	42,900	20,200	2,160	6,700	4,880	4,540	5,550
17	5,680	5,300	6,810	3,880	23,700	30,500	17,100	896	6,620	5,380	1,000	2,710
18	4,090	4,770	3,940	3,420	28,800	21,200	12,100	731	6,600	5,550	6,110	5,710
19	3,790	4,380	3,020	4,140	22,800	33,600	9,620	786	6,610	1,110	6,610	5,680
20	4,370	5,280	4,820	5,880	17,600	29,200	7,000	3,550	6,660	1,020	8,570	1,980
21	3,160	4,150	5,320	4,610	8,140	17,800	7,160	4,550	1,110	4,660	7,730	1,930
22	2,300	5,000	4,570	4,750	11,800	14,100	7,690	6,180	1,060	4,740	5,490	8,110
23	2,530	3,420	3,050	4,870	8,800	13,400	6,850	5,680	5,130	6,270	956	5,710
24	3,270	2,760	13,800	5,670	11,000	15,100	6,200	2,530	5,140	6,560	921	6,210
25	3,900	2,530	24,700	8,010	13,700	20,700	4,910	652	5,110	6,390	5,690	5,730
26	4,110	2,010	17,200	18,600	10,400	17,400	6,470	4,690	5,200	1,120	5,090	5,450
27	4,290	2,010	8,230	10,000	5,630	13,500	5,840	5,050	5,240	1,080	5,750	1,980
28	4,150	2,010	3,150	6,460	6,250	12,700	5,830	5,060	1,120	7,180	5,470	1,920
29	4,310	2,450	2,180	5,270	-----	11,700	7,190	5,190	1,100	7,400	6,020	5,020
30	4,520	3,810	6,620	4,060	-----	12,100	2,500	5,160	4,700	7,480	2,120	6,760
31	4,730	-----	10,700	5,520	-----	9,530	-----	4,220	-----	7,420	2,080	-----
TOTAL	100,720	97,600	188,110	233,540	327,350	476,310	381,210	79,298	161,108	149,417	178,287	136,160
MEAN	3,249	3,253	6,068	7,534	11,690	15,360	12,710	2,558	5,370	4,820	5,751	4,539
MAX	5,680	6,570	24,700	22,000	28,800	42,900	44,400	6,180	16,300	9,100	11,700	8,110
MIN	1,730	1,800	2,180	3,240	2,370	4,100	2,500	652	908	767	921	1,160
(-)	+1,003	+3,188	-133	+3	+47	-3	+139	+5,536	+47	+181	-301	-145

CAL YR 1974 TOTAL 2,218,240 MEAN 6,077 MAX 28,200 MIN 1,480 MEAN† 6,118 CFSM† 1.72 IN† 23.35
WTR YR 1975 TOTAL 2,509,110 MEAN 6,874 MAX 44,400 MIN 652 MEAN† 7,667 CFSM† 2.16 IN† 29.32

† Change in contents, equivalent in cubic feet per second, in West Point Lake.

† Adjusted for change in contents in Lakes Sidney Lanier and West Point.

APALACHICOLA RIVER BASIN

02339500 Chattahoochee River at West Point, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.83	4.22	4.74	5.42	7.14	6.04	7.01	3.87	4.69	5.27	4.19	4.93
2	3.67	3.42	4.00	5.09	7.51	9.13	6.55	3.77	4.47	4.95	4.44	4.93
3	3.98	4.82	5.14	4.72	8.39	10.24	5.28	3.85	4.50	4.20	4.13	4.86
4	3.61	5.97	8.66	4.42	9.56	9.13	4.71	4.10	4.44	3.82	4.58	3.72
5	3.26	5.22	6.95	7.24	9.09	7.64	5.86	4.32	3.81	4.04	5.06	3.06
6	3.45	5.08	5.65	10.08	8.09	5.94	6.29	4.10	3.53	4.32	4.88	3.17
7	3.94	4.87	5.12	7.32	6.96	5.18	6.15	3.95	4.10	4.15	4.38	4.41
8	3.28	3.84	6.34	6.27	6.83	6.84	6.54	3.93	4.58	4.22	3.92	5.28
9	3.37	3.27	6.21	5.27	7.73	7.76	7.61	4.30	3.79	4.05	4.01	5.32
10	3.30	4.23	5.26	7.76	7.79	7.30	5.67	4.90	3.49	3.70	4.38	5.78
11	3.20	4.93	4.74	18.84	7.62	7.07	4.74	4.81	3.79	3.41	5.04	5.18
12	3.17	4.94	4.56	20.68	7.62	6.85	4.74	4.88	3.56	3.47	5.11	3.80
13	3.17	4.80	4.20	19.17	8.79	5.36	4.89	4.82	3.43	4.13	4.58	4.54
14	3.17	4.87	4.05	17.09	7.87	4.83	4.82	11.02	3.45	4.27	3.93	5.43
15	4.32	3.88	3.98	12.34	6.41	4.83	4.70	12.90	4.12	4.39	3.53	5.43
16	5.59	3.25	4.03	9.22	6.67	5.28	4.78	8.93	4.25	4.35	4.25	5.42
17	6.07	3.41	4.10	8.42	7.19	5.71	4.65	8.61	4.24	3.75	4.79	5.41
18	4.27	3.81	5.12	6.87	7.18	5.86	4.11	7.76	4.17	3.49	4.90	4.49
19	3.29	3.73	5.02	7.40	6.96	5.35	4.01	7.11	3.75	4.39	4.90	4.12
20	4.25	3.92	4.29	7.66	6.79	4.99	4.14	6.98	4.89	4.99	4.77	4.06
21	5.42	3.82	4.31	7.60	6.42	4.70	4.18	6.23	8.28	4.78	3.80	4.65
22	5.50	3.59	4.52	7.70	5.64	5.34	4.33	4.79	8.25	4.58	3.37	4.75
23	5.55	3.23	4.25	7.97	6.57	6.06	5.56	4.48	6.76	4.48	4.09	4.19
24	5.59	4.52	4.08	7.61	6.55	5.90	5.18	5.24	5.79	3.70	4.85	3.73
25	4.27	6.41	3.95	6.18	6.73	5.45	4.29	6.09	5.46	3.33	4.88	4.50
26	3.46	6.28	3.83	6.90	6.77	5.39	4.19	6.18	4.57	3.68	4.92	3.85
27	3.87	4.41	3.74	7.23	6.97	5.02	4.10	5.90	4.20	4.79	4.85	4.40
28	5.18	4.97	3.64	7.19	5.53	4.64	4.12	5.74	6.26	5.06	3.86	5.34
29	5.73	4.67	4.36	7.28	4.73	6.41	4.05	4.51	7.22	5.12	3.06	5.50
30	5.76	4.86	4.68	8.93	-----	7.74	3.91	3.95	6.00	6.07	4.02	5.59
31	5.69	-----	4.84	9.54	-----	7.17	-----	4.27	-----	5.46	4.93	-----
MEAN	4.26	4.44	4.79	8.88	7.18	6.30	5.04	5.69	4.79	4.34	4.40	4.66
MAX	6.07	6.41	8.66	20.68	9.56	10.24	7.61	12.90	8.28	6.07	5.11	5.78
MIN	3.17	3.23	3.64	4.42	4.73	4.64	3.91	3.77	3.43	3.33	3.06	3.06

WTR YR 1972 MEAN 5.39 MAX 20.68 MIN 3.06

227

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.49	3.95	3.60	4.77	5.86	5.50	16.11	5.44	8.33	6.99	4.29	5.45
2	4.01	4.23	3.79	7.38	14.46	5.58	15.56	6.89	8.07	5.03	4.95	5.40
3	3.14	3.73	3.44	5.80	16.66	5.68	10.66	7.37	7.88	4.36	5.50	4.08
4	3.84	4.44	3.53	5.70	13.40	5.69	9.06	7.57	7.62	4.78	4.87	3.25
5	4.42	4.19	3.42	5.71	9.61	4.84	8.47	7.66	6.24	6.80	4.14	3.17
6	5.19	3.22	3.58	5.92	7.33	4.67	8.10	7.22	7.49	6.37	3.63	3.49
7	5.02	3.14	3.45	4.99	8.05	5.43	10.04	5.35	10.91	6.26	3.82	4.14
8	4.82	3.30	3.79	10.71	4.04	6.52	15.44	5.13	8.45	6.23	4.90	4.60
9	3.81	4.09	3.59	13.79	8.25	5.29	15.10	7.40	7.90	5.34	5.37	4.61
10	3.01	3.75	3.56	9.01	8.26	5.93	12.32	7.17	8.70	4.47	4.83	3.81
11	3.70	3.61	3.60	6.83	7.80	7.27	9.65	6.52	8.65	4.41	4.57	3.52
12	4.43	3.27	3.68	5.92	7.95	7.99	8.75	6.30	7.64	6.06	4.54	3.58
13	4.56	3.20	3.65	5.34	5.56	8.08	8.37	6.59	8.66	5.72	3.80	4.45
14	4.53	3.85	3.77	5.07	6.78	7.95	8.07	6.94	8.63	5.83	3.92	4.63
15	4.54	4.87	7.10	4.86	7.55	7.71	7.47	5.33	8.24	6.07	5.05	6.37
16	3.71	4.16	13.11	4.59	7.32	7.54	7.60	6.58	8.23	5.61	6.50	5.24
17	3.01	3.95	10.47	4.47	7.06	12.07	6.10	6.90	8.11	4.54	5.86	4.22
18	3.86	3.66	7.05	4.67	6.79	14.62	7.37	6.84	8.28	5.51	5.90	3.72
19	4.76	3.53	5.66	5.53	5.87	13.01	7.73	6.86	7.32	6.26	5.94	5.32
20	4.77	3.75	4.44	6.49	4.92	8.38	7.74	4.13	7.63	5.49	4.55	4.66
21	4.76	4.28	9.17	6.24	5.69	8.08	7.56	10.85	7.17	5.19	3.71	4.23
22	4.72	3.69	15.39	4.35	6.26	8.79	7.39	7.37	6.72	4.84	4.28	4.54
23	3.69	3.55	12.35	12.27	6.20	8.23	5.65	7.12	6.32	4.18	4.72	4.67
24	3.09	3.56	7.91	8.80	6.13	7.81	4.94	7.58	5.85	3.87	4.48	3.91
25	4.42	3.59	6.25	6.92	5.99	8.28	7.41	9.71	5.95	4.93	4.43	3.31
26	4.80	4.07	5.03	6.21	4.91	9.34	9.49	7.01	4.87	5.77	4.34	3.32
27	4.86	4.57	4.64	5.78	4.31	7.41	9.39	4.23	5.64	6.20	3.79	4.03
28	5.71	3.86	4.52	6.65	5.14	6.66	9.48	3.63	6.78	7.29	3.30	4.50
29	6.34	3.65	4.42	5.73	-----	6.50	8.03	15.55	7.03	6.07	4.29	4.77
30	4.13	3.62	4.32	5.15	-----	7.00	6.28	14.96	7.62	4.96	5.28	4.76
31	3.29	-----	5.66	5.05	-----	10.94	-----	4.86	-----	3.40	5.38	-----
MEAN	4.37	3.81	5.78	6.94	7.55	7.70	9.24	7.88	7.57	5.46	4.68	4.33
MAX	6.34	4.87	15.39	13.79	16.66	14.62	16.11	15.55	10.91	7.29	6.50	6.37
MIN	3.01	3.14	3.42	4.47	4.31	4.67	4.44	5.13	4.87	3.47	3.30	3.17
CAL YR 1972	MEAN 5.44	MAX 20.49		MIN 3.01								
WTR YR 1973	MEAN 6.26	MAX 16.66		MIN 3.01								

APALACHICOLA RIVER BASIN

02339500 Chattahoochee River at West Point, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	4.59	3.91	9.86	8.05	6.35	5.44	4.32	5.63	3.28	4.23	5.19
2	7.72	4.82	3.77	13.32	7.34	7.14	5.52	5.41	6.06	3.04	4.20	4.76
3	7.14	4.68	3.63	14.34	6.19	7.07	7.86	4.44	4.86	2.87	6.01	5.46
4	6.44	4.61	3.45	13.83	5.25	5.30	9.16	4.34	3.94	3.53	5.00	4.91
5	5.22	3.88	5.95	12.67	4.79	4.80	11.39	4.82	4.27	3.90	4.85	4.40
6	4.15	3.28	7.20	10.07	6.50	5.00	12.61	4.49	4.81	4.42	4.07	4.22
7	4.03	3.74	6.08	8.29	9.20	5.17	10.99	3.98	5.08	4.83	4.59	4.25
8	3.70	4.56	4.76	7.60	10.70	5.18	8.94	4.10	6.44	3.85	5.59	4.19
9	3.36	4.82	4.55	7.37	10.10	5.10	6.46	4.15	6.22	3.70	7.15	3.85
10	3.34	4.81	4.29	6.99	8.00	4.99	7.36	5.47	4.47	3.68	5.78	3.59
11	3.32	4.74	3.61	6.97	6.10	4.58	7.72	6.03	4.32	3.90	5.64	3.82
12	3.51	3.87	3.74	6.76	5.20	4.32	8.40	5.44	4.24	5.95	4.66	
13	3.65	3.23	3.58	6.81	5.95	4.33	8.73	5.18	5.20	4.10	6.23	5.10
14	3.52	4.50	3.97	6.83	6.11	4.49	9.29	4.24	5.32	3.75	5.22	4.95
15	3.34	5.41	3.46	5.78	11.81	4.49	6.37	4.62	5.35	3.29	5.89	4.96
16	3.24	5.39	4.39	6.72	13.45	4.46	5.26	5.32	5.10	3.30	6.41	4.10
17	3.24	5.55	4.68	7.02	13.38	4.44	6.72	5.43	4.18	3.39	5.04	3.42
18	3.79	5.45	3.81	6.89	11.52	4.41	7.20	5.34	3.58	3.48	5.66	3.37
19	3.43	4.06	3.76	6.71	8.14	4.16	7.08	5.36	3.68	3.23	5.21	3.70
20	4.01	3.26	3.91	6.87	8.20	4.41	7.03	4.74	3.73	3.33	4.66	3.58
21	3.92	4.81	4.80	8.05	8.12	5.05	6.87	3.99	3.69	3.76	4.32	3.53
22	3.57	6.72	5.15	8.55	9.80	5.50	5.05	4.54	3.76	3.46	4.29	3.40
23	3.14	6.99	4.59	8.26	11.11	5.39	4.50	5.01	4.10	3.10	4.11	3.26
24	3.63	4.71	4.23	8.28	9.74	4.80	5.53	6.13	3.83	3.36	4.74	3.12
25	4.84	4.80	3.78	8.58	8.24	4.44	5.51	5.61	3.66	4.21	4.27	3.26
26	4.92	4.17	5.48	8.62	6.20	4.30	5.34	5.31	3.42	4.06	3.76	3.25
27	4.45	3.64	10.28	9.06	6.69	4.62	5.25	4.54	3.51	4.01	3.30	3.65
28	4.87	4.07	8.84	7.61	7.02	5.30	5.30	4.33	3.16	5.72	3.67	3.43
29	3.42	4.25	6.47	7.55	-----	5.97	4.31	4.26	3.47	4.26	4.09	3.33
30	3.34	4.22	5.62	9.47	-----	6.63	3.93	4.61	3.58	3.60	3.96	3.13
31	3.74	-----	5.78	8.90	-----	6.97	-----	5.54	-----	4.25	5.99	-----
MEAN	4.22	4.59	4.90	8.54	8.32	5.13	7.04	4.90	4.46	3.77	4.96	3.99
MAX	7.72	6.99	10.28	14.34	13.45	7.14	12.61	6.13	6.44	5.72	7.15	5.46
MIN	3.14	3.23	3.45	5.78	4.79	4.16	3.93	3.98	3.16	2.87	3.30	3.12
CAL YR 1973	MEAN 6.24		MAX 16.66		MIN 3.17							
WTR YR 1974	MEAN 5.78		MAX 14.34		MIN 2.87							

229

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.09	4.71	5.94	6.03	4.07	5.72	7.22	2.46	2.53	4.46	7.15	4.75
2	3.24	3.61	6.24	5.23	3.53	5.08	9.36	2.40	5.51	4.42	4.79	4.45
3	3.15	3.48	3.57	3.87	4.76	4.41	18.37	2.41	5.63	4.42	2.56	4.87
4	3.07	3.04	4.40	4.84	8.87	4.69	14.32	2.33	9.09	4.44	5.21	5.81
5	3.34	3.12	4.37	6.84	14.20	5.75	9.74	3.43	6.35	2.54	5.12	2.60
6	3.33	3.14	3.67	5.37	14.01	6.70	9.13	2.55	6.34	2.53	5.15	3.11
7	3.03	3.08	3.49	4.46	11.15	5.26	8.39	2.67	2.53	4.86	6.75	3.10
8	2.92	3.03	3.80	5.39	6.98	5.29	7.61	2.84	2.43	5.96	5.97	5.48
9	3.47	2.87	5.09	6.58	6.13	4.90	7.63	2.63	4.45	6.69	4.23	4.45
10	3.98	2.93	4.63	5.63	5.17	5.21	9.64	2.28	4.81	6.43	2.75	3.59
11	4.06	2.97	4.00	8.52	4.84	4.90	9.80	2.26	5.19	6.44	6.10	6.05
12	4.13	3.04	4.40	12.39	7.33	7.01	10.65	4.77	8.06	2.47	7.31	5.12
13	4.11	3.07	4.41	10.11	6.48	8.29	8.29	3.34	10.13	2.35	7.92	3.89
14	3.35	3.86	4.06	9.17	6.07	16.28	9.16	2.26	4.72	4.48	5.73	3.15
15	3.01	5.62	3.69	6.51	5.03	17.56	11.79	2.56	2.53	5.49	6.40	4.84
16	4.12	5.58	5.61	5.79	6.61	18.07	11.66	3.18	5.44	4.56	4.39	4.96
17	5.21	4.96	5.89	4.41	12.91	14.91	10.47	2.43	5.39	4.85	2.50	2.53
18	4.30	4.66	4.25	4.16	14.59	11.88	8.37	2.32	5.37	5.07	5.16	5.21
19	4.15	4.44	3.74	4.56	12.64	15.25	7.19	2.36	5.38	2.57	5.42	5.19
20	4.47	4.95	4.79	5.53	10.74	14.60	5.99	3.85	5.40	2.51	6.39	3.12
21	3.74	4.30	5.07	4.82	6.62	10.73	6.06	4.36	2.54	4.43	5.99	3.08
22	3.24	4.78	4.65	4.90	8.33	9.30	6.26	5.17	2.51	4.47	4.84	6.23
23	3.39	3.91	3.78	4.97	6.96	9.03	6.11	4.91	4.63	5.41	2.47	5.06
24	3.83	3.52	8.44	5.41	8.05	9.66	5.37	3.30	4.63	5.55	2.45	5.35
25	4.19	3.38	13.22	6.62	9.21	11.83	4.73	2.25	5.96	5.29	4.89	5.10
26	4.31	3.06	10.49	11.30	7.70	10.57	5.39	4.38	4.67	2.57	5.30	4.93
27	4.40	3.06	6.51	7.06	5.28	9.05	5.05	4.60	4.70	2.55	5.23	3.11
28	4.31	3.07	3.82	5.90	5.62	8.72	5.04	4.63	2.55	5.68	4.84	3.08
29	4.39	3.35	3.24	5.24	-----	8.29	5.71	4.70	2.53	5.79	5.18	4.77
30	4.51	4.15	5.66	4.56	-----	8.44	3.33	4.63	4.43	5.23	3.20	5.53
31	4.63	-----	7.82	5.37	-----	7.27	-----	4.21	-----	5.41	3.17	-----
MEAN	3.82	3.76	5.25	6.18	8.00	9.20	8.26	3.31	4.84	4.55	4.99	4.45
MAX	5.21	5.62	13.22	12.39	14.54	18.07	18.37	5.17	10.13	6.69	7.92	6.23
MIN	2.92	2.87	3.24	3.87	3.53	4.41	3.33	2.25	2.43	2.35	2.45	2.60
CAL YP 1974	MEAN	5.31	MAX	14.34	MIN	2.87						
WTP YP 1975	MEAN	5.54	MAX	18.37	MIN	2.25						

APALACHICOLA RIVER BASIN

02339500 Chattahoochee River at West Point, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
23...	0810	2340	6.4	13.5	9.6
OCT.					
03...	0930	3320	6.5	8.0	10.8
JAN.					
15...	1010	7080	6.6	5.0	10.6
FEB.					
25...	0945	13700	6.8	10.5	10.0
APR.					
08...	1645	9980	6.8	14.0	8.0
MAY					
13...	1640	1430	6.8	21.5	6.3
JULY					
04...	1335	16900	6.7	23.0	5.5
AUG.					
19...	1415	15600	6.6	27.0	2.4
SEP.					
17...	1245	2180	6.7	24.0	3.9

DATE	TOTAL IRON (PPM)	TOTAL MANGANESE (PPM)	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)
OCT.						
23...	--	--	17	.44	.11	.14
OCT.						
03...	1210	100	14	.20	.05	.06
JAN.						
15...	1400	120	16	.28	.04	.05
FEB.						
25...	2500	110	9	.18	<.02	--
APR.						
08...	--	--	11	.22	.08	.10
MAY						
13...	1200	250	17	.20	.05	.06
JULY						
04...	4500	380	11	.07	.11	.14
AUG.						
19...	1100	580	22	<.02	.29	.37
SEP.						
17...	1420	570	23	.02	.34	.44

DATE	TOTAL SOLUBLE SILICA (PPM)	TOTAL SOLUBLE SILICA (PPM)	SULF- URIC CON- CENT- RATION (MG/L)	COLOR (PLAT- INUM- COAD- UNIT)	TUR- BID- ITY (JTU)	HIU- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (EC APOTM)	TOTAL ORGANIC CARBON (C)
OCT.								
23...	.14	15	57	15	7	1.3	36	3.0
OCT.								
03...	.2	14	40	40	17	.5	980	3.0
JAN.								
15...	.2	14	50	70	33	.4	750	3.0
FEB.								
25...	.2	12	30	90	62	.8	430	4.0
APR.								
08...	.2	11	34	120	44	.5	230	4.0
MAY								
13...	.2	10	50	30	12	.6	36	3.0
JULY								
04...	.3	15	30	150	42	.4	1500	17
AUG.								
19...	.5	14	70	5	7	.8	36	3.0
SEP.								
17...	.2	10	64	25	6	1.8	36	3.0

APALACHICOLA RIVER BASIN

231

02339720 Long Cane Creek near West Point, Ga.

LOCATION.--Lat 32°54'37", long 85°08'43", Troup County, at bridge on Webb Road 2.5 mi (4.0 km) northeast of West Point.

DRAINAGE AREA.--74.8 mi² (194 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
JULY										
16...	1305	193	6.4	24.0	5.1					
31...	0840	52	6.7	24.0	4.1					
SEP.										
12...	0855	67	7.1	22.5	4.3					

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY						
16...	18	.74	.07	.09	.49	18
31...	46	.75	.09	.12	1.1	32
SEP.						
12...	45	.34	.05	.06	.80	32

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY						
16...	109	100	135	4.9	75000	10
31...	184	40	45	2.2	7500	7.0
SEP.						
12...	185	45	12	1.2	9300	6.0

APALACHICOLA RIVER BASIN

02339720 Long Cane Creek near West Point, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
23...	0850	52	6.8	9.0	6.2
DEC.					
03...	1030	122	6.5	6.5	8.0
JAN.					
15...	1115	265	6.6	2.0	11.1
FEB.					
25...	1030	465	6.9	9.0	7.8
APR.					
08...	1605	203	7.1	17.0	8.0
MAY					
13...	1550	45	6.7	22.0	3.6
JULY					
08...	1255	351	6.5	23.0	5.9
AUG.					
19...	1320	49	7.1	25.0	3.2
SEP.					
17...	1330	37	7.0	20.0	3.6

DATE	ALKAL- INITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.						
23...	42	1.5	.50	.64	.89	36
DEC.						
03...	26	.49	.14	.18	.39	24
JAN.						
15...	18	.20	.06	.08	.15	16
FEB.						
25...	11	.08	<.02	--	.07	13
APR.						
08...	16	.39	.19	.24	.20	20
MAY						
13...	26	.57	.31	.40	.62	28
JULY						
08...	10	.11	<.02	--	.12	16
AUG.						
19...	45	.52	.30	.39	.74	28
SEP.						
17...	47	.77	1.3	1.7	1.3	30

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
23...	230	--	12	2.0	2300	6.0
DEC.						
03...	112	60	26	1.4	230000	7.0
JAN.						
15...	72	80	33	.8	2300	4.0
FEB.						
25...	34	110	60	1.0	930	5.0
APR.						
08...	43	60	26	1.9	3900	3.0
MAY						
13...	144	30	11	2.0	430	5.0
JULY						
08...	48	160	72	.2	930	7.0
AUG.						
19...	145	20	10	2.7	9300	13
SEP.						
17...	195	40	23	4.6	750	10

02341500 Chattahoochee River at Columbus, Ga.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, on downstream side of center pier of Central of Georgia Railway bridge at Columbus, 0.5 mi (0.8 km) downstream from Eagle and Phenix Dam, 1.2 mi (1.9 km) downstream from City Mills Dam, 2.6 mi (4.2 km) downstream from North Highlands Dam, 3.3 mi (5.3 km) downstream from Oliver Dam, 17.5 mi (28.2 km) downstream from Bartletts Ferry Dam, and at mile 159.9 (257.3 km).

DRAINAGE AREA.--4,670 mi² (12,100 km²), approximately.

PERIOD OF RECORD.--Discharge: August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

Chemical analyses: February 1968 to May 1972.

GAGE.--Water-stage recorder. Datum of gage is 185.14 ft (56.43 m) above mean sea level. Dec. 1-31, 1912, nonrecording; gage at site 800 ft (244 m) upstream at same datum. 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.

AVERAGE DISCHARGE.--46 years, 6,715 ft³/s (190 m³/s), 19.53 in/yr (496.1 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 89,900 ft³/s (2,550 m³/s) Apr. 3, gage height, 31.98 ft (9.748 m); minimum daily discharge, 860 ft³/s (24.4 m³/s) Sept. 14.

Period of record: Maximum discharge, 145,000 ft³/s (4,110 m³/s) Feb. 26, 1961; maximum gage height, 47.8 ft (14.57 m) Feb. 25, 1961; minimum discharge, 294 ft³/s (8.33 m³/s) Oct. 23, Nov. 14, 1931; minimum daily, 480 ft³/s (13.6 m³/s) Oct. 31, 1931.

Maximum discharge known since at least 1827, 198,000 ft³/s (5,610 m³/s) Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft (16.22 m) Mar. 16, 1929.

REMARKS.--Records fair except those below 1,500 cfs (42.5 m³/s), which are poor. Flow regulated by Lakes Sidney Lanier, West Point, and Bartletts Ferry Reservoir (Lake Harding) (see sta. 02334400, 02341000).

REVISIONS (WATER YEARS).--WSP 1082: 1943(M). See also period of record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1,880	4,240	6,500	5,670	7,990	11,200	12,600	1,780	4,860	4,840	9,090	3,310	
2	1,630	2,620	6,440	7,910	6,940	7,750	16,300	3,040	5,850	5,340	10,400	6,430	
3	1,570	2,800	7,470	6,100	8,530	8,720	73,300	3,610	8,680	5,760	5,150	6,980	
4	1,090	2,440	6,370	8,450	9,860	7,540	58,300	2,330	9,240	5,460	5,750	6,960	
5	1,250	3,370	4,450	8,350	19,900	8,430	20,300	3,140	8,800	3,400	5,100	4,000	
6	2,340	3,100	4,700	6,830	32,100	7,630	17,800	2,320	10,000	2,390	6,520	1,870	
7	2,250	2,370	6,400	7,040	27,000	8,920	17,900	3,200	4,550	8,610	9,430	1,580	
8	2,490	1,440	2,590	9,220	15,400	9,910	14,800	3,870	2,170	9,420	9,960	4,830	
9	1,260	1,430	6,750	11,000	9,710	7,350	14,000	3,420	4,720	12,400	8,690	5,850	
10	4,840	1,310	4,050	10,400	10,400	6,210	16,200	2,840	5,690	10,100	5,860	4,720	
11	3,560	1,790	3,340	16,300	9,680	8,320	18,100	2,460	6,890	10,600	5,360	7,150	
12	2,660	3,240	4,440	28,900	9,930	9,920	21,200	6,160	13,700	9,330	8,400	7,200	
13	2,370	2,650	4,180	14,100	10,300	13,100	18,200	4,290	19,400	5,090	8,920	4,560	
14	3,050	3,110	4,270	15,500	11,600	44,800	34,200	4,260	13,200	5,830	10,700	860	
15	3,200	4,390	3,330	11,500	8,320	50,200	43,600	1,380	4,730	4,670	10,900	4,490	
16	3,440	6,240	6,490	4,960	8,730	53,200	35,000	4,440	5,690	5,120	6,600	6,430	
17	5,520	5,760	7,030	8,760	34,400	44,100	22,800	2,130	8,020	5,800	5,120	3,860	
18	3,170	3,340	7,330	10,400	46,900	33,400	17,100	3,680	6,590	6,770	7,320	7,470	
19	4,560	5,120	4,490	7,110	47,700	48,800	15,400	2,210	6,470	1,980	5,270	7,320	
20	3,740	7,450	5,490	7,120	33,200	38,300	12,600	3,480	9,750	1,180	5,900	5,830	
21	5,330	5,960	6,150	7,590	18,500	26,400	10,300	4,830	5,820	5,630	6,890	1,690	
22	2,530	5,040	6,330	5,220	12,900	20,000	8,730	6,310	3,190	5,380	7,460	7,390	
23	1,760	5,160	5,870	7,280	14,500	16,500	9,380	7,830	4,960	6,550	3,810	8,810	
24	3,490	1,510	15,800	8,390	22,400	17,000	9,570	8,720	7,050	7,740	3,330	9,350	
25	2,130	3,340	33,600	9,560	21,900	27,100	7,970	2,510	6,650	7,510	6,030	4,890	
26	4,140	3,640	20,400	17,400	17,700	26,300	7,860	2,140	4,690	4,470	4,290	4,910	
27	4,020	3,220	11,400	17,900	12,700	16,000	4,660	4,960	4,560	2,850	5,740	2,760	
28	4,730	2,300	6,290	12,900	4,900	15,700	7,250	5,620	2,600	5,470	5,310	1,810	
29	3,700	1,850	5,560	8,740	-----	14,700	8,570	6,030	3,270	5,920	3,050	5,310	
30	4,330	4,530	8,220	7,760	-----	14,900	6,850	5,990	4,250	8,970	3,840	5,760	
31	5,640	-----	9,300	9,130	-----	14,400	-----	5,750	-----	9,530	2,100	-----	
TOTAL	37,750	105,440	237,640	327,480	499,090	635,840	580,840	124,730	206,040	194,110	202,290	154,380	
MEAN	3,153	4,515	7,566	10,560	17,820	20,510	19,360	4,024	6,868	6,262	6,525	5,146	
MAX	5,640	7,440	33,600	28,900	47,700	53,200	73,300	8,720	19,400	12,400	10,900	9,350	
MIN	1,090	1,310	2,590	5,220	6,940	6,210	4,660	1,380	2,170	1,180	2,100	860	
(†)	+49	-168	+130	-98	+54	+114	-84	+49	-84	+49	-16	+34	
CAL YR 1974	TOTAL	2,433,200	MEAN	6,666	MAX	33,600	MIN	900	MEAN†	6,704	CFSM†	1.44	
WTR YR 1975	TOTAL	3,365,630	MEAN	9,221	MAX	73,300	MIN	860	MEAN†	10,020	CFSM†	2.15	
											IN†	19.55	
												IN†	29.18

† Change in contents, equivalent in cubic feet per second, in Bartletts Ferry Reservoir.

‡ Adjusted for change in contents in Lakes Sidney Lanier, West Point, and Bartletts Ferry Reservoir.

APALACHICOLA RIVER BASIN

02341500 Chattahoochee River at Columbus, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.19	4.33	4.66	3.05	9.28	4.53	6.14		5.05	6.96	7.20	3.16
2	4.02	4.59	5.34	3.83	8.35	9.96	6.17		5.20	6.63	5.91	3.31
3	4.13	4.24	2.88	3.63	7.54	15.12	5.92		5.15	5.73	5.55	
4	5.40	4.67	2.53		10.61	12.82			4.30	5.04	5.57	
5		4.18	4.85		10.54	9.09			5.83	5.60	5.10	
6		4.98	8.13	7.58	9.01	8.01			5.61	5.25	5.34	
7		4.80	6.08	5.13	9.70	7.11			4.57	5.42	5.89	
8		4.92	5.24	6.63	8.66	5.95			4.36	4.88	5.77	
9		5.61	5.81	5.91	8.10	6.46			3.74	4.94	4.85	
10		4.74	5.93	7.08	8.01	7.70			3.66	5.10	3.95	
11		4.40	3.95	19.49	7.82	7.35			3.35	4.80	4.14	
12		5.02	4.66	27.93	7.91	7.03			3.63	5.09	4.98	
13		4.67	4.61	26.71	9.08	6.73		4.62	4.08	4.77	4.99	
14		4.08	3.69	24.05	9.76	6.12		7.63	4.48	4.74	5.09	
15		4.77	3.61	18.21	8.22	4.09		14.45	3.76	4.46	4.47	3.67
16		4.82	3.62	10.22	7.63	4.69		11.21	2.59	4.37	4.29	3.94
17		4.56	3.54	9.14	6.96	5.44		8.40	3.57	5.41	4.48	3.33
18		3.63	2.45	8.00	7.32	6.33		8.50	2.02	5.44	4.53	4.96
19		3.90	2.45	7.16	6.85	4.88		7.85	4.07	4.11	4.94	4.25
20		2.35	4.15	6.27	7.06	4.95		6.77	5.79	4.84	4.07	3.77
21		2.37	4.09	6.78	6.78	4.02		7.27	7.86	5.52	4.56	2.91
22		3.72	4.16	7.62	6.52	4.70		7.05	7.48	4.46	3.70	3.21
23		4.55	3.84	7.12	5.90	5.11		5.84	6.72	3.79	4.24	4.13
24		4.47	3.46	7.96	6.76	5.26		5.56	5.69	5.33	3.60	2.93
25		2.73	1.05	7.30	5.94	5.68		5.53	5.41	5.19	4.81	4.52
26		4.39	1.43	6.44	5.75	5.31		5.21	6.05	4.53	4.23	3.95
27		4.33	2.07	6.35	6.13	5.28		5.52	6.82	4.02	4.40	4.30
28	4.32	4.36	4.76	7.03	6.61	3.88		5.91	8.84	4.36	4.01	3.73
29	4.20	5.00	3.55	6.28	5.87	3.50		5.76	8.64	4.99	3.49	3.46
30	4.72	4.44	1.93	8.04	-----	4.66		5.64	8.25	6.42	3.60	3.26
31	4.61	-----	2.52	10.21	-----	6.06	-----	5.16	-----	8.15	3.97	-----
MEAN		4.34	3.90		7.75	6.38			5.22	5.17	4.70	
MAX		5.61	8.13		10.61	15.12			8.84	8.15	7.20	
MIN		2.35	1.05		5.75	3.50			2.02	3.79	3.49	

02341500 Chattahoochee River at Columbus, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.44	3.17	2.88	8.54		3.84		7.65	9.60	7.11	6.11	3.87
2	4.44	2.96	2.61	9.73		4.65		5.84	9.33	6.10	5.81	4.38
3	4.12	2.42	1.60	8.31	21.65	3.74		6.37	8.53	5.86	5.46	4.97
4	4.10	2.06	1.87	7.32	18.83	4.09		6.56	7.61	4.24	5.77	5.19
5	4.17	2.18	2.45		11.49	5.69		6.85	7.70	5.46	5.86	5.19
6	3.67	3.11	5.70		8.16	5.29		6.48	8.25	5.31	5.77	
7	3.65	3.54	5.32		7.28	4.84		6.92	8.85	6.28	5.88	
8	3.05	2.95	4.15		7.40	4.85		6.84	10.23	6.70	5.54	
9	3.77	3.32	2.88		8.74	5.16		7.13	8.81	7.43	5.75	
10	3.57	2.65	1.68		9.65	5.03		7.70	8.26	6.90	5.41	
11	4.82	2.27	2.84		9.19	6.12		6.46	8.37	6.07	5.30	
12	2.70	1.76	2.71		8.25	12.95		6.91	8.47	5.89	5.55	
13	3.01	3.41	3.06		7.62	11.93		6.33	8.77	5.71	6.05	
14	3.59	2.87	3.08		7.69	8.88		6.45	9.65	5.19	5.63	
15	3.62	3.13	7.25		8.45	8.66		6.21	9.07	5.77	5.45	
16	3.15	3.78	12.56		8.77	8.73		5.64	8.32	6.95		
17	3.05	4.10	13.97		7.33	12.77		5.90	8.49	6.93		
18	2.50	2.55	8.24		6.90	16.58		5.58	8.53	6.20	6.64	
19		2.04	6.69		6.91	16.19		6.09	8.35	6.15	6.54	
20		4.45	5.32		6.78	11.12		7.18	8.47	5.52	6.78	
21		3.24	14.83		5.66	7.99		7.63	7.12	6.03	5.07	
22		3.57	23.43		4.15	7.53		9.64	8.17	5.88	4.76	
23		1.26	19.24		4.66	8.35		7.67	7.12	6.07	4.77	
24		2.21	10.00		5.44	7.66		7.79	6.44	5.95	4.88	
25		2.49	7.46		4.96	8.38	6.83	7.96	6.50	6.17	4.99	4.30
26		1.72	5.85		5.18	9.14	12.54	9.02	5.62	5.43	4.10	3.41
27		2.68	4.64		4.98	8.72	14.46	9.47	3.32	5.66	5.76	3.53
28		3.55	3.94		4.43	7.45	11.13	11.66	5.37	5.89	5.75	3.67
29		2.61	2.48		-----	7.22	9.60	16.79	5.34	6.28	5.41	3.84
30		3.91	3.01		-----	6.32	8.26	18.35	6.08	6.56	4.20	4.66
31	3.25	-----	4.66		-----	15.57	-----	13.07	-----	6.12	5.04	-----
MEAN		2.87	6.34			8.24		8.07	7.82	6.05		
MAX		4.45	23.43			16.58		18.35	10.23	7.43		
MTN		1.26	1.60			3.74		5.58	3.32	4.24		

APALACHICOLA RIVER BASIN

02341500 Chattahoochee River at Columbus, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.32	3.85	1.75		9.79	6.28	6.66	5.42	4.63	3.79		
2	6.09	4.39	1.77		8.59	5.53	7.65	5.90	5.36	3.62		
3	6.76	4.16	3.61		7.43	5.59	7.62	5.29	6.21	2.99		
4	6.72	3.79	3.87		5.85	6.07	9.87	4.09	5.85	3.72		
5	6.40	4.52	4.86		6.48	5.52	16.36	4.23	4.66	3.49		
6	5.19	4.78	4.22		5.70	5.34	16.09	5.62	5.46	3.77		
7	4.69	4.14	5.74		.00	6.16	13.22	5.74	5.69	4.32		
8	5.22	3.89	4.45		.00	4.45	10.60	5.43	6.21	4.34		
9	5.30		3.34	7.94	12.64	4.35	9.51	5.64	6.99	3.65		
10	5.45		4.49	7.42	9.24	3.22	8.17	5.76	6.51	3.88		
11	4.28		3.81	6.16	8.34	4.43	6.75	5.72	6.11	3.94		
12	3.96		3.95	6.90	6.89	4.33	7.52	6.87	5.84	3.37		
13	3.72		5.48	6.09	5.86	3.83	8.54	6.70	6.23	3.28		
14	3.72		2.95	6.17	5.90	2.86	10.39	6.66	5.65	2.94		
15	4.38		2.55	5.55	.00	2.84	8.39	6.12	5.36	3.11		
16	4.67		2.86	5.59	.00	2.15	7.20	6.03	6.41	2.98		
17	3.44	3.96	4.47	5.01	15.67	1.76	5.77	6.06	5.48	2.75		4.73
18	3.65	4.48	4.44	4.90	14.23	3.01	5.88	5.25	5.54	3.03		4.08
19	4.07	4.31	3.83	5.01	9.48	3.41		6.09	5.84	1.97		3.69
20	3.95	4.68	4.25	5.69	7.67	3.80		6.72	6.06	2.78		3.64
21	3.89	5.19	4.23	7.79	8.20	4.32		6.50	5.47	2.91		3.43
22	4.54	4.52	2.47	7.52	10.82	4.65		5.48	5.21	3.19		2.70
23	4.48	5.91		7.82	12.54	4.38		6.62	4.50	2.36		2.75
24	4.21	5.51		8.21	11.33	3.79	6.16	6.17	4.42	2.18		2.72
25	4.41	4.59		9.03	8.79	4.47	5.24	6.36	4.25	2.24		2.64
26	4.72	5.60		9.00	8.03	5.29	5.35	6.61	4.08	2.88		2.52
27	3.92	4.46		11.28	6.26	4.35	5.58	6.02	3.91	3.63		2.61
28	4.03	4.36		11.05	6.20	4.55	4.29	5.44	4.37	4.12		2.53
29	5.31	4.29		9.78	-----	4.91	6.21	5.62	4.17	5.02		2.68
30	4.61	3.93		13.30	-----	6.41	6.24	6.04	3.78			2.84
31	4.18	-----		.00	-----	5.80	-----	5.60	-----			-----
MEAN	4.72				7.57	4.45		5.86	5.34			
MAX	6.76				15.67	6.41		6.97	6.99			
MIN	3.44				0	1.76		4.08	3.78			

237

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	3.47	4.62	3.58	4.27	6.28	7.02	4.73	5.71	5.21	7.10	4.60
2	2.52	2.44	4.30	4.50	3.72	4.24	8.47	4.86	6.25	5.19	7.63	5.59
3	2.36	2.63	6.67	3.28	4.64	4.61	28.06	5.02	5.25	5.07	6.07	5.87
4	2.04	2.80	4.77	4.38	5.27	4.72	26.84	4.93	7.11	5.14	6.45	5.76
5	1.93	3.17	3.37	5.20	9.92	5.04	14.01	5.08	6.44	4.49	6.01	4.49
6	2.47	2.70	3.17	3.97	15.23	4.19	9.97	4.78	7.04	4.73	6.83	3.93
7	2.62	2.28	4.07	4.27	13.14	5.32	9.71	5.02	5.29	6.82	7.39	3.99
8	2.84	1.68	2.42	5.68	4.11	5.53	8.09	5.27	4.87	7.32	7.58	4.99
9	1.94	1.52	4.31	4.18	5.24	4.66	7.48	4.97	6.11	8.31	7.00	5.26
10	3.43	1.55	3.26	6.72	5.44	3.09	8.46	4.76	6.02	7.43	6.10	4.88
11	2.79	1.93	2.69	10.04	5.27	4.97	9.43	4.84	6.28	7.74	6.36	5.82
12	2.35	2.21	2.93	14.93	5.46	5.71	11.25	5.93	8.41	7.35	7.21	5.75
13	2.37	1.91	2.58	13.40	5.61	7.13	10.05	5.63	10.97	5.47	6.86	4.91
14	2.75	1.37	2.41	10.30	6.15	19.67	15.92	5.37	9.06	6.17	7.45	4.03
15	2.77	2.48	2.75	7.99	4.58	22.91	23.04	4.72	5.76	5.42	7.52	5.02
16	2.79	3.12	4.52	5.74	4.85	23.95	19.36	5.59	5.86	5.89	5.88	5.67
17	3.62	3.46	4.23	5.65	16.43	24.07	13.63	4.96	6.40	6.40	5.59	4.99
18	2.88	2.51	5.00	5.91	23.84	18.46	10.12	5.44	5.93	6.24	5.65	6.22
19	3.28	3.36	3.46	4.33	23.78	23.27	4.32	5.00	5.45	4.73	5.69	6.14
20	3.17	4.71	3.93	4.24	18.30	20.34	8.07	5.00	6.45	4.90	5.68	5.67
21	3.94	4.03	4.01	4.41	10.89	15.48	7.17	5.02	5.21	6.04	6.12	4.66
22	2.74	3.64	4.31	2.93	7.53	11.71	6.59	5.28	4.57	6.27	6.32	6.43
23	2.12	3.71	3.99	3.56	8.41	9.61	6.91	5.90	5.12	6.45	5.00	6.77
24	3.06	2.34	6.31	4.44	12.32	9.66	6.40	6.12	5.95	6.54	4.96	6.72
25	2.17	3.07	16.84	5.11	11.72	14.35	6.51	4.66	5.88	6.50	6.04	5.06
26	3.10	2.95	13.29	9.22	8.85	14.00	6.38	4.62	5.39	5.41	5.25	4.82
27	3.15	2.71	4.35	9.82	7.38	9.54	5.44	5.26	5.39	5.19	5.59	3.98
28	3.70	2.22	5.13	7.48	5.48	9.15	6.44	5.33	4.74	6.14	5.30	3.86
29	3.06	2.02	3.31	5.25	-----	8.54	6.75	5.45	4.91	6.16	4.34	4.99
30	2.86	3.61	4.90	4.29	-----	8.50	6.65	5.53	5.17	7.03	4.45	5.18
31	3.54	-----	5.24	4.75	-----	8.14	-----	5.59	-----	7.23	4.12	-----
MEAN	2.82	2.75	4.90	6.28	9.36	10.89	10.41	5.18	6.19	6.13	6.11	5.20
MAX	3.96	4.71	16.88	15.93	23.84	24.07	28.06	6.12	10.97	8.31	7.63	6.77
MIN	1.93	1.52	2.41	2.93	3.72	3.09	5.44	4.62	4.57	4.73	4.12	3.86
WTR YR 1975 MEAN 6.36 MAX 28.06 MIN 1.52												

APALACHICOLA RIVER BASIN

02341800 Upatoi Creek near Columbus, Ga.

LOCATION.--Lat 32°24'48", long 84°49'12", Chattahoochee County, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi (3.2 km) downstream from Randall Creek, 2 mi (3.2 km) upstream from Ochiltee Creek, 8 mi (12.9 km) south-east of Columbus, and 12 mi (19 km) upstream from mouth.

DRAINAGE AREA.--342 mi² (886 km²).

PERIOD OF RECORD.--April 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 230 ft (70 m), from topographic map.

AVERAGE DISCHARGE.--7 years, 517 ft³/s (14.6 m³/s), 20.53 in/yr (521.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 15, gage height, 15.76 ft (4.804 m); minimum daily, 145 ft³/s (4.11 m³/s) Oct. 14, 15.

Period of record: Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 15, 1975, gage height, 15.76 ft (4.804 m); minimum, 106 ft³/s (3.00 m³/s) Oct. 5, 6, 7, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	168	839	434	610	941	842	990	682	314	511	344
2	188	165	508	409	590	1,010	988	706	620	285	785	317
3	175	165	368	385	643	880	1,840	599	508	277	702	262
4	168	163	296	557	689	778	1,330	602	399	292	497	235
5	165	168	267	643	692	721	966	550	344	267	448	225
6	163	198	255	508	651	675	809	511	323	602	564	235
7	163	198	284	445	572	645	720	581	354	726	980	350
8	158	185	456	1,560	511	728	669	800	375	662	627	385
9	158	180	385	2,200	491	661	654	750	518	490	487	306
10	155	175	315	1,310	484	597	847	592	539	385	420	272
11	153	178	285	4,390	470	586	1,040	567	1,050	403	602	257
12	150	223	283	2,640	478	578	899	462	1,930	466	613	257
13	148	233	282	2,600	472	832	689	420	1,280	403	473	267
14	145	208	270	1,490	432	5,980	4,670	532	755	338	403	245
15	145	198	566	1,100	411	3,420	8,670	1,080	543	303	354	225
16	188	193	1,210	924	570	4,020	2,840	1,180	476	518	320	217
17	228	193	686	816	6,220	3,820	1,660	1,450	424	1,070	303	232
18	208	231	475	740	6,740	3,020	1,290	1,110	382	860	290	300
19	178	243	452	698	4,220	4,210	1,120	755	399	553	280	300
20	168	273	1,660	720	2,860	2,300	1,000	592	368	427	282	260
21	160	350	1,260	667	1,740	1,560	875	508	417	427	292	260
22	160	305	826	595	1,320	1,320	790	466	469	403	275	277
23	163	253	589	646	1,220	1,210	730	427	361	448	260	314
24	165	231	1,100	1,630	2,920	1,760	690	392	306	431	250	350
25	168	225	1,480	2,320	2,310	2,630	666	364	282	459	247	303
26	168	218	874	1,720	1,430	1,620	642	347	285	714	255	280
27	170	210	650	1,110	1,140	1,190	623	357	357	760	247	265
28	173	207	544	890	1,010	1,050	585	332	329	532	227	252
29	173	203	514	780	-----	980	678	417	292	459	237	240
30	173	349	487	705	-----	994	1,370	765	354	438	292	240
31	170	-----	458	653	-----	944	-----	714	-----	490	338	-----
TOTAL	5,255	6,489	18,924	36,285	41,896	51,660	41,192	19,918	15,721	15,202	12,861	8,272
MEAN	170	216	610	1,170	1,496	1,666	1,373	643	524	490	415	276
MAX	228	350	1,660	4,390	6,740	5,980	8,670	1,450	1,930	1,070	980	385
MIN	145	163	255	385	411	578	585	332	282	267	227	217
CFSM	.50	.63	1.78	3.42	4.37	4.87	4.01	1.88	1.53	1.43	1.21	.81
IN.	.57	.71	2.06	3.95	4.56	5.62	4.48	2.17	1.71	1.65	1.40	.90

CAL YR 1974 TOTAL 175,038 MEAN 480 MAX 4,720 MIN 145 CFSM 1.40 IN 19.04
WTR YR 1975 TOTAL 273,675 MEAN 750 MAX 8,670 MIN 145 CFSM 2.19 IN 29.77

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-8	1730	8.60	2,920	3-16	1730	12.13	6,130
1-11	0715	11.53	5,530	3-19	0030	11.43	5,430
2-17	1515	14.95	9,190	3-24	2300	9.39	3,510
2-24	1330	9.43	3,540	4-15	0530	15.76	10,200
3-14	1530	13.01	7,010				

02344040 Chattahoochee River near Steam Mill, Ga.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, at Herman E. Talmadge Bridge on State Highway 91, 2 mi (3 km) northwest of Steam Mill.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
AUG. 21...	0800	7.3	28.0	5.4		
SEP. 25...	0800	7.2	23.0	7.1		

DATE	ALKALINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca+Mg) (MG/L)
AUG. 21...	22	.07	.03	.04	.05	>0
SEP. 25...	30	.32	<.02	--	.03	24

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 21...	77	10	7	2.1	230	4.0
SEP. 25...	95	20	8	.9	230	4.0

APALACHICOLA RIVER BASIN

02344040 Chattahoochee River near Steam Mill, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.				
05...	0900	7.4	19.0	6.6
DEC.				
11...	0830	6.9	10.0	12.5
JAN.				
06...	1430	7.5	12.0	9.1
16...	0930	7.2	9.0	8.8
MAR.				
05...	1100	7.3	11.0	9.0
APR.				
15...	1300	7.1	16.0	9.3
MAY				
22...	1200	7.1	25.0	5.6
JULY				
16...	1050	7.0	27.5	6.4
AUG.				
26...	0730	7.0	26.0	5.5

DATE	ALKA- LINIT AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
NOV.						
05...	31	.30	<.02	--	.09	16
JAN.						
06...	27	.30	.08	.10	.07	24
16...	6	.36	.13	.17	.06	20
MAR.						
05...	12	.24	.07	.09	.06	16
APR.						
15...	--	.25	.04	.05	.16	--
MAY						
22...	14	.27	.04	.05	.06	18
JULY						
16...	22	.12	.02	.03	.02	20
AUG.						
26...	24	.17	.02	.03	.04	22

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COALIT UNITS)	TUR- BID- ITY (JTU)	HIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
05...	94	10	8	1.2	<30	3.0
JAN.						
06...	81	20	11	--	--	5.0
16...	64	45	19	1.3	930	7.0
MAR.						
05...	56	100	56	.8	930	5.0
APR.						
15...	--	--	--	--	2300	6.0
MAY						
22...	54	50	28	.7	230	3.0
JULY						
16...	66	15	7	--	--	4.0
AUG.						
26...	60	20	12	1.1	91	3.0

02344500 Flint River near Griffin, Ga.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, at downstream side of pier of bridge on State Highway 16, 1.5 mi (2.4 km) downstream from Shoal Creek, 5.5 mi (8.8 km) upstream from Line Creek, 10 mi (16 km) west of Griffin, and at mile 304.4 (489.8 km).

DRAINAGE AREA.--272 mi² (704 km²).

PERIOD OF RECORD.--Discharge: March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304. Chemical analyses: February 1968 to September 1969, October 1970 to June 1972.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft (216.85 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft (.914 m) 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.

AVERAGE DISCHARGE.--38 years, 357 ft³/s (10.1 m³/s), 17.82 in/yr (452.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,470 ft³/s (212 m³/s) Apr. 3, gage height, 14.30 ft (4.359 m); minimum, 69 ft³/s (1.95 m³/s) Oct. 11, 12, minimum gage height, 3.04 ft (.927 m) Oct. 11, 12.

Period of record: Maximum discharge, 13,200 ft³/s (374 m³/s) Nov. 27, 1948, gage height, 18.0 ft (5.49 m); minimum daily, 2.5 ft³/s (71 l/s) Oct. 20, 1954.

Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft (5.46 m), present datum, from floodmark located by local resident, discharge, 15,300 ft³/s (433 m³/s).

REMARKS.--Records good. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 7 ft³/s (198 l/s) for municipal supply at pumping plant 6 mi (9.7 km) above station. An average of about 2 ft³/s (57 l/s) of the diversion was discharged as sewage effluent into tributaries of Towaliga River, and an average of about 2 ft³/s (57 l/s) was returned as sewage effluent to Flint River about 49 mi (79 km) below station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	97	334	921	334	548	646	323	1,340	251	787	262
2	85	98	346	643	316	472	1,040	343	1,450	223	735	226
3	79	97	426	377	385	420	6,130	351	978	203	701	206
4	76	98	453	388	718	391	3,840	508	562	190	460	175
5	74	108	237	445	1,380	368	2,260	669	298	179	283	150
6	74	132	183	467	2,320	344	1,210	766	242	168	283	140
7	72	131	177	460	1,880	340	749	470	228	235	360	151
8	71	136	227	371	1,210	414	573	376	228	357	472	172
9	71	126	230	430	705	382	547	388	240	378	771	179
10	72	114	273	474	491	364	784	470	275	455	532	166
11	70	112	244	1,110	411	419	739	379	267	356	1,040	148
12	70	145	188	1,510	750	680	727	308	511	552	625	144
13	73	158	169	2,890	970	1,320	610	262	976	556	467	140
14	75	175	161	2,110	731	3,690	936	240	1,180	411	396	145
15	71	197	214	1,530	727	3,400	2,210	329	714	333	262	148
16	95	161	425	951	591	2,640	1,700	587	335	253	211	128
17	119	154	467	551	1,690	1,820	1,380	807	278	288	207	121
18	139	178	587	407	2,560	1,680	872	745	262	313	177	181
19	166	182	480	355	3,330	2,660	572	840	229	236	156	267
20	144	213	418	392	2,720	2,620	471	770	340	322	143	293
21	111	274	449	426	1,780	2,030	410	512	496	1,180	135	381
22	99	230	516	441	1,070	1,180	373	318	489	680	131	253
23	93	229	474	455	912	772	348	263	400	294	124	171
24	92	186	866	432	1,620	770	335	235	394	261	122	174
25	93	150	2,040	949	1,900	1,510	326	218	255	279	118	183
26	94	134	1,450	1,260	1,670	1,710	318	203	403	293	115	198
27	94	127	1,260	1,270	1,090	1,390	314	207	538	360	118	187
28	95	122	923	1,090	692	783	333	205	756	324	639	160
29	95	120	609	634	-----	552	339	215	558	269	1,080	147
30	93	157	677	416	-----	565	335	249	303	319	575	134
31	94	-----	820	365	-----	620	-----	288	-----	558	360	-----
TOTAL	2,843	4,541	16,323	24,520	34,953	36,854	31,427	12,844	15,525	11,076	12,585	5,530
MEAN	91.7	151	527	791	1,248	1,189	1,048	414	518	357	406	184
MAX	166	274	2,040	2,890	3,330	3,690	6,130	840	1,450	1,180	1,080	381
MIN	70	97	161	355	316	340	314	203	228	168	115	121
CFSM	.34	.56	1.94	2.91	4.59	4.37	3.85	1.52	1.90	1.31	1.49	.68
IN.	.39	.62	2.23	3.35	4.78	5.04	4.30	1.76	2.12	1.51	1.72	.76

CAL YR 1974 TOTAL 142,398 MEAN 390 MAX 2,750 MIN 70 CFSM 1.43 IN 19.48
WTR YR 1975 TOTAL 209,021 MEAN 573 MAX 6,130 MIN 70 CFSM 2.11 IN 28.59

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-25	0800	10.66	2,240	3-14	1800	12.39	4,340
1-13	1300	11.55	3,160	3-19	1400	11.22	2,790
2-6	1200	10.95	2,420	4-3	1100	14.30	7,470
2-19	1700	11.92	3,520	4-15	1000	10.83	2,400
2-24	2400	10.59	2,020				

APALACHICOLA RIVER BASIN

02344700 Line Creek near Senoia, Ga.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta County, on downstream side of bridge on State Highway 85, 2.2 mi (3.5 km) north-east of Senoia, 4.1 mi (6.6 km) upstream from Whitewater Creek, and 11.2 mi (18.0 km) upstream from mouth.

DRAINAGE AREA.--101 mi² (262 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 740 ft (226 m), from topographic map.

AVERAGE DISCHARGE.--11 years, 141 ft³/s (3.99 m³/s), 18.96 in/yr (481.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,050 ft³/s (58.1 m³/s) Apr. 3, gage height, 9.99 ft (3.045 m); minimum daily, 9.0 ft³/s (255 l/s) Oct. 13.

Period of record: Maximum discharge, 4,950 ft³/s (140 m³/s) Mar. 3, 1971, gage height, 12.63 ft (3.850 m); minimum, 4.7 ft³/s (133 l/s) Oct. 7, 1970, gage height, 1.23 ft (.375 m).

REMARKS.--Records good except those for periods of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	21	153	191	128	202	227	128	261	75	129	59
2	16	20	211	146	120	190	421	132	177	60	85	56
3	14	20	111	113	157	176	1,850	179	130	55	69	42
4	12	19	68	172	359	161	1,060	341	116	50	59	35
5	11	21	56	218	790	153	477	264	110	48	91	32
6	10	25	52	161	913	148	289	152	100	45	108	32
7	12	24	54	125	535	145	237	143	90	55	233	38
8	14	23	85	140	276	182	205	221	85	70	172	41
9	12	21	113	230	204	169	200	198	95	85	84	38
10	11	20	82	256	183	148	300	149	100	110	83	36
11	10	20	64	1,320	164	179	270	124	120	90	304	33
12	9.4	32	58	1,320	212	260	250	108	160	140	272	32
13	9.2	47	54	946	278	446	230	97	200	120	145	33
14	9.5	39	51	682	244	1,420	350	91	160	100	92	35
15	12	35	65	338	169	1,050	800	104	120	120	57	33
16	21	36	165	227	197	676	600	170	100	150	51	31
17	30	34	184	185	838	649	400	307	90	91	46	33
18	38	38	100	158	1,430	634	300	392	80	71	40	65
19	30	48	107	141	1,420	1,550	230	437	75	64	35	100
20	23	57	160	172	928	1,210	180	214	85	60	33	77
21	19	70	143	211	475	533	160	148	130	74	32	59
22	17	65	98	162	288	333	150	122	120	79	31	53
23	16	47	90	136	278	266	140	105	110	67	30	49
24	16	39	340	163	471	299	135	94	90	72	29	55
25	16	36	789	321	555	890	130	87	80	69	27	60
26	16	34	598	712	385	570	126	82	76	63	27	55
27	18	31	316	538	255	298	124	118	110	73	40	48
28	21	31	188	187	218	234	123	143	170	92	89	42
29	24	32	231	172	-----	213	120	121	150	68	63	39
30	23	44	331	156	-----	228	122	221	100	68	50	37
31	21	-----	317	142	-----	279	-----	426	-----	101	54	-----
TOTAL	530.1	1,029	5,434	10,141	12,470	13,891	10,206	5,618	3,590	2,485	2,660	1,378
MEAN	17.1	34.3	175	327	445	448	340	181	120	80.2	85.8	45.9
MAX	38	70	789	1,320	1,430	1,550	1,850	437	261	150	304	100
MIN	9.2	19	51	113	120	145	120	82	75	45	27	31
CFSM	.17	.34	1.73	3.24	4.41	4.44	3.37	1.79	1.19	.79	.85	.45
IN.	.20	.38	2.00	3.74	4.59	5.12	3.76	2.07	1.32	.92	.98	.51

CAL YR 1974 TOTAL 38,395.1 MEAN 105 MAX 1,110 MIN 9.2 CFSM 1.04 IN 14.14
WTR YR 1975 TOTAL 69,432.1 MEAN 190 MAX 1,850 MIN 9.2 CFSM 1.88 IN 25.57

PEAK DISCHARGE (BASE, 1,000 CFS)

NOTE.--No gage-height record Apr. 9-25, June 6 to July 16.

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-11	1600	10.08	1,950	3-25	0700	8.36	1,020
2-18	0100	9.55	1,590	4-3	0900	9.99	2,050
3-14	1000	9.51	1,690	4-15	unknown	8.89	1,140
3-19	1700	9.66	1,770				

APALACHICOLA RIVER BASIN

243

02346180 Flint River near Thomaston, Ga.

LOCATION.--Lat 32°50'20", long 84°25'27", Upson County, at downstream end of left bank pier of bridge on State Highway 36, 2.5 mi (4.0 km) upstream from Lazar Creek, and 7.8 mi (12.6 km) west of Thomaston.

DRAINAGE AREA.--1,220 mi² (3,160 km²), approximately.

PERIOD OF RECORD.--May 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft (149.35 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--9 years, 1,854 ft³/s (52.5 m³/s), 20.64 in/yr (524.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,900 ft³/s (705 m³/s) Apr. 4, gage height, 16.35 ft (4.983 m); minimum daily, 320 ft³/s (9.06 m³/s) Oct. 14, 15.

Period of record: Maximum gage height, 18.4 ft (5.61 m) Mar. 3, 1971, from floodmarks, discharge not determined; minimum daily discharge, 110 ft³/s (3.12 m³/s) Oct. 2, 1970.

Flood of Nov. 28, 1948 reached a stage of 19.3 ft (5.88 m), from floodmarks.

REMARKS.--Records good except those for period of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487	393	1,860	2,790	1,780	2,810	3,050	1,960	5,950	1,120	2,200	1,390
2	454	399	2,020	2,570	1,840	2,450	4,600	2,000	5,860	1,010	2,700	1,150
3	417	405	1,770	2,020	1,670	2,190	19,300	2,000	4,140	992	2,200	982
4	410	405	1,520	1,980	2,470	1,990	23,400	2,020	2,720	905	1,800	837
5	380	429	1,240	2,370	3,710	1,870	16,900	2,320	1,930	835	1,600	733
6	360	514	895	2,270	4,800	1,770	11,000	2,520	1,460	797	1,760	662
7	350	585	845	2,100	5,510	1,710	5,470	2,540	1,310	1,180	2,160	645
8	340	556	1,120	2,260	5,200	1,990	3,560	2,480	1,340	1,650	2,270	716
9	340	528	1,210	2,890	3,690	2,050	3,140	2,270	1,460	1,750	2,350	785
10	340	507	1,150	2,840	2,480	1,860	4,120	2,180	2,600	1,560	2,100	786
11	340	487	1,060	4,320	2,050	1,870	4,240	1,990	2,620	1,580	2,180	709
12	330	585	937	6,000	2,480	2,950	3,710	1,720	4,260	1,440	3,090	653
13	330	693	825	8,720	4,180	5,100	3,130	1,540	4,040	1,550	2,860	634
14	320	685	752	8,330	3,670	14,000	5,680	1,710	3,310	2,130	2,040	633
15	320	669	981	6,790	2,890	13,700	11,300	2,110	2,840	3,090	1,520	619
16	364	661	2,050	4,880	2,690	12,100	10,100	2,640	2,140	3,460	1,180	606
17	454	622	2,210	3,130	8,470	10,800	7,260	3,760	1,630	1,900	1,060	613
18	542	685	1,980	2,290	11,700	8,970	5,020	3,690	1,380	1,600	985	824
19	535	770	1,810	1,940	13,500	10,600	3,570	3,560	1,260	1,340	889	1,440
20	514	835	2,550	1,940	13,700	11,300	2,840	3,330	1,210	1,240	834	1,340
21	474	1,050	2,710	2,140	11,100	9,490	2,480	2,770	1,440	3,000	791	1,180
22	417	1,060	2,380	2,060	7,120	7,230	2,220	1,980	1,610	2,800	754	1,120
23	387	895	1,980	1,960	4,640	4,760	2,080	1,600	1,500	2,500	717	945
24	375	788	3,730	2,100	6,630	4,220	1,960	1,440	1,320	2,200	678	833
25	375	685	7,150	3,110	7,570	6,000	1,880	1,320	1,240	2,000	648	861
26	375	615	7,930	4,860	6,160	6,060	1,840	1,220	1,040	1,700	622	876
27	375	570	5,880	4,840	5,000	5,660	1,820	1,180	1,270	2,000	595	861
28	381	542	4,300	4,360	3,610	4,480	1,800	1,210	1,520	2,000	709	803
29	381	528	3,180	3,480	-----	3,310	1,930	1,430	1,670	1,600	1,960	738
30	387	701	2,740	2,430	-----	3,040	2,080	1,700	1,440	1,800	2,320	702
31	393	-----	2,740	1,980	-----	3,200	-----	1,740	-----	2,000	1,640	-----
TOTAL	12,247	18,847	73,505	105,750	150,110	169,530	171,480	65,930	67,510	54,729	49,212	25,676
MEAN	395	628	2,371	3,411	5,361	5,469	5,716	2,127	2,250	1,765	1,587	856
MAX	542	1,060	7,930	8,720	13,700	14,000	23,400	3,760	5,950	3,460	3,090	1,440
MIN	320	393	752	1,940	1,640	1,710	1,800	1,180	1,040	797	595	606
CFSM	.32	.51	1.94	2.80	4.39	4.48	4.69	1.74	1.84	1.45	1.30	.70
IN.	.37	.57	2.24	3.22	4.58	5.17	5.23	2.01	2.06	1.67	1.50	.78

CAL YR 1974 TOTAL 672,979 MEAN 1,844 MAX 15,500 MIN 320 CFSM 1.51 IN 20.52
WTR YR 1975 TOTAL 964,526 MEAN 2,643 MAX 23,400 MIN 320 CFSM 2.17 IN 29.41

NOTE.--No gage-height record July 22 to Aug. 5.

APALACHICOLA RIVER BASIN

02347500 Flint River near Culloden, Ga.

LOCATION.--Lat 32°43'17", long 84°13'57", Upson County, on left bank underneath bridge on U.S. Highway 19, 4 mi (6.4 km) upstream from Auchumpkee Creek, 5 mi (8.0 km) downstream from Swift Creek, 13 mi (20.9 km) southwest of Culloden, and at mile 238.4 (383.6 km).

DRAINAGE AREA.--1,850 mi² (4,790 km²), approximately.

PERIOD OF RECORD.--Discharge: July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.
Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft (101.97 m) above mean 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 (4.0 km) 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.

AVERAGE DISCHARGE.--52 years (1911-22, 1928-31, 1937-75), 2,433 ft³/s (68.9 m³/s), 17.86 in/yr (453.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 35,500 ft³/s (1,000 m³/s) Apr. 4, gage height, 26.18 ft (7.980 m); minimum, 435 ft³/s (12.3 m³/s) Oct. 14, 15.

Period of record: Maximum discharge, 92,000 ft³/s (2,610 m³/s) Mar. 15, 1929, gage height, 38.4 ft (11.70 m), from graph based on gage readings; minimum observed, 92 ft³/s (2.61 m³/s) Oct. 4, 6, 7, 1931.
Maximum stage known since at least 1912, that of Mar. 15, 1929.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	523	2,350	3,360	2,540	4,250	3,910	2,890	5,200	1,450	2,980	1,650
2	580	527	2,660	3,190	2,340	3,760	6,160	2,680	7,500	1,280	3,600	1,430
3	534	527	2,130	2,670	2,330	3,380	28,000	2,640	5,340	1,240	3,230	1,230
4	500	532	1,830	2,430	2,950	3,090	34,400	3,060	3,470	1,190	2,470	1,080
5	485	549	1,550	3,040	4,230	2,910	24,600	2,860	2,560	1,110	2,260	968
6	476	646	1,250	2,930	5,340	2,770	14,900	3,010	1,940	1,050	2,410	890
7	471	743	1,110	2,670	6,080	2,660	8,440	3,110	1,700	1,600	3,380	938
8	464	735	1,530	3,230	6,100	2,810	5,440	3,550	1,670	2,850	3,220	938
9	459	694	1,660	4,900	4,820	3,080	4,660	3,040	1,850	2,380	2,910	1,030
10	460	667	1,480	4,140	3,340	2,790	5,620	2,820	4,000	2,000	2,520	1,390
11	457	640	1,360	9,550	2,720	2,750	6,010	2,630	6,320	1,930	2,540	1,170
12	452	716	1,250	9,140	2,660	3,420	5,140	2,310	7,460	2,160	3,290	987
13	442	847	1,130	12,200	4,750	5,730	4,340	2,070	6,670	1,800	3,110	914
14	438	858	1,060	10,600	4,630	25,300	10,300	1,990	4,730	2,160	2,450	890
15	436	831	1,330	8,580	3,690	24,700	21,500	3,910	3,820	2,770	1,880	866
16	487	816	3,530	6,500	3,260	19,000	15,900	4,190	3,100	4,410	1,510	842
17	595	793	3,170	4,490	14,900	17,800	10,200	5,340	2,370	2,730	1,300	854
18	686	850	2,610	3,320	23,400	13,200	7,360	4,960	1,980	2,150	1,220	1,040
19	687	965	2,290	2,810	21,200	17,100	5,360	4,340	1,820	1,830	1,120	1,440
20	651	1,010	4,580	2,660	19,300	14,900	4,300	3,850	1,650	1,550	1,050	1,540
21	623	1,180	4,610	2,880	14,200	12,100	3,730	3,410	2,350	2,720	1,000	1,500
22	572	1,250	3,660	2,780	10,000	9,570	3,350	2,600	2,340	3,310	955	1,310
23	530	1,120	2,850	2,680	6,910	6,850	3,090	2,070	2,010	2,940	925	1,250
24	513	984	5,030	3,740	11,100	6,030	2,900	1,850	1,750	3,220	890	1,130
25	505	900	9,660	5,750	11,200	8,800	2,770	1,690	1,620	2,580	845	1,130
26	512	819	9,680	6,450	8,720	7,970	2,660	1,560	1,430	2,160	827	1,120
27	511	770	7,490	6,200	7,050	7,100	2,590	1,490	1,440	2,750	805	1,090
28	512	744	5,450	5,410	5,400	5,920	2,540	1,510	1,700	2,640	798	1,040
29	511	723	4,170	4,620	-----	4,530	2,720	1,920	1,790	2,060	1,400	962
30	513	796	3,560	3,480	-----	4,010	3,300	2,690	1,790	2,420	2,280	920
31	523	-----	3,410	2,820	-----	4,120	-----	2,230	-----	2,590	1,920	-----
TOTAL	16,216	23,755	99,430	149,220	215,160	252,300	256,190	88,270	93,370	69,030	61,095	33,539
MFAN	523	792	3,207	4,814	7,684	8,139	8,540	2,847	3,112	2,227	1,971	1,118
MAX	687	1,250	9,680	12,200	23,400	25,300	34,400	5,340	7,500	4,410	3,600	1,650
MTN	436	523	1,060	2,430	2,330	2,660	2,540	1,490	1,430	1,050	798	842
CFSM	.28	.43	1.73	2.60	4.15	4.40	4.62	1.54	1.68	1.20	1.07	.60
IN.	.33	.48	2.00	3.00	4.33	5.07	5.15	1.77	1.88	1.39	1.23	.67
CAL YR 1974 TOTAL	907,293		MEAN 2,486		MAX 22,000		MIN 436		CFSM 1.34		IN 18.24	
WTR YR 1975 TOTAL	1,357,575		MEAN 3,719		MAX 34,400		MIN 436		CFSM 2.01		IN 27.30	

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-13	0500	14.29	12,600	3-19	0400	17.60	17,700
2-18	0200	22.10	25,600	4-4	0100	26.18	35,500
2-24	1400	14.64	13,000	4-15	0600	20.42	22,300
3-14	1700	23.98	29,600				

02347500 Flint River near Culloden, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
FEH. 25...	1320	11200	6.5	12.5	9.8
APR. 09...	0925	4620	7.1	14.0	9.5
MAY 14...	0940	1880	7.0	21.5	7.5
JULY 08...	1025	3240	7.0	24.0	7.3
AUG. 20...	0900	1050	6.8	24.5	7.4
SEP. 17...	1520	860	7.3	22.0	8.2

DATE	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
FEH. 25...	6	.13	<.02	--	.13	9
APR. 09...	10	.16	.04	.05	.06	9
MAY 14...	16	.23	<.02	--	.04	14
JULY 08...	15	.17	<.02	--	.12	16
AUG. 20...	24	.16	<.02	--	.02	15
SEP. 17...	27	.13	<.02	--	.05	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
FEH. 25...	34	100	88	1.5	15000	9.0
APR. 09...	36	90	38	.4	430	10
MAY 14...	50	30	15	.4	--	3.0
JULY 08...	44	140	96	.2	4300	7.0
AUG. 20...	68	45	13	.5	--	3.0
SEP. 17...	75	40	10	.5	230	6.0

APALACHICOLA RIVER BASIN

02349500 Flint River at Montezuma, Ga.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, near left bank on downstream end of pier of bridge on State Highways 26 and 49, 1,000 ft (305 m) upstream from Central of Georgia Railway bridge, 1,400 ft (427 m) upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi (1.6 km) west of Montezuma, and at mile 180.6 (290.6 km).

DRAINAGE AREA.--2,900 mi² (7,500 km²), approximately; includes that of Buck Creek.

PERIOD OF RECORD.--Discharge: October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height record collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft (77.98 m) above mean sea level. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi (2.4 km) 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-stage recorder at site 500 ft (152 m) downstream at same datum.

AVERAGE DISCHARGE.--53 years, 3,617 ft³/s (102 m³/s), 16.94 in/yr (430.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 32,700 ft³/s (926 m³/s) Apr. 6, gage height, 20.06 ft (6.114 m); minimum, 1,100 ft³/s (31.2 m³/s) Oct. 15, 16.

Period of record: Maximum discharge, 68,900 ft³/s (1,950 m³/s) Nov. 30, 1948, gage height, 25.2 ft (7.68 m); minimum daily, 585 ft³/s (16.6 m³/s) Oct. 26, 1941, Sept. 23, 1956.

Flood on Mar. 2, 1897 reached a stage of 26.0 ft (7.92 m), at former site, from National Weather Service, discharge, 97,000 ft³/s (2,750 m³/s), from rating curve extended above 10,000 ft³/s (283 m³/s) on basis of peak flows passing upstream and downstream stations.

Flood on Jan. 20, 1925 reached a stage of 25.0 ft (7.62 m), at former site, from National Weather Service, discharge, 85,000 ft³/s (2,410 m³/s), as explained above.

Flood on Mar. 17, 1929 reached a stage of 27.4 ft (8.34 m), at present site, from National Weather Service, discharge, 92,300 ft³/s (2,610 m³/s), from rating curve extended above 65,000 ft³/s (1,840 m³/s).

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station.

REVISIONS (WATER YEARS).--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior to 1912).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,680	1,200	1,850	5,060	5,180	11,900	6,490	5,360	4,050	3,040	4,480	3,220
2	1,520	1,200	2,850	4,520	4,370	10,100	6,090	5,440	4,700	2,760	4,740	2,930
3	1,400	1,200	3,570	4,310	4,310	8,050	6,140	5,000	6,420	2,420	5,130	2,700
4	1,320	1,210	3,270	3,990	4,460	6,300	7,310	4,760	7,340	2,250	5,260	2,410
5	1,260	1,220	2,840	3,700	4,750	5,490	15,100	4,870	7,220	2,270	4,540	2,190
6	1,220	1,230	2,510	3,990	5,420	5,060	30,800	4,840	5,050	2,230	4,130	2,050
7	1,200	1,280	2,300	4,070	6,030	4,800	29,100	4,810	3,620	2,710	4,580	2,050
8	1,180	1,360	2,290	4,120	6,510	4,680	21,200	5,110	3,190	3,190	5,210	2,130
9	1,170	1,440	2,510	4,910	6,880	4,630	15,100	5,610	3,220	4,280	5,440	2,140
10	1,160	1,430	2,680	6,080	7,040	4,730	11,400	5,460	4,530	4,420	5,420	2,100
11	1,150	1,400	2,510	6,990	6,250	4,620	9,550	4,950	5,850	3,810	4,970	2,220
12	1,140	1,400	2,320	8,290	4,840	4,560	8,710	4,570	6,840	4,050	4,790	2,270
13	1,130	1,430	2,200	11,100	4,420	4,790	8,530	4,460	7,560	4,180	5,020	2,070
14	1,120	1,540	2,090	13,200	5,100	7,110	8,920	4,210	8,330	3,540	5,020	1,940
15	1,110	1,610	2,110	14,600	5,790	9,040	11,800	4,240	9,050	3,330	4,400	1,860
16	1,160	1,610	2,710	14,800	5,530	15,800	13,300	5,250	8,920	4,300	3,600	1,810
17	1,260	1,600	4,160	13,400	6,710	28,600	21,000	6,190	7,420	7,600	3,090	1,800
18	1,340	1,810	4,480	11,600	10,600	27,600	21,700	6,790	5,110	7,900	2,760	1,900
19	1,380	2,080	3,920	9,230	13,700	26,000	16,900	7,230	3,830	6,680	2,580	2,110
20	1,380	2,110	3,750	6,020	25,700	22,100	12,900	7,020	3,360	5,190	2,420	2,340
21	1,320	2,220	5,090	4,680	28,800	20,900	10,500	6,160	3,090	4,040	2,310	2,630
22	1,260	2,270	6,080	4,500	25,700	19,900	8,230	5,260	3,390	3,960	2,230	3,020
23	1,200	2,320	6,060	4,490	21,000	17,300	6,490	4,420	3,620	4,820	2,140	2,780
24	1,180	2,150	4,970	4,950	17,500	14,700	5,700	3,750	3,350	4,760	2,070	2,500
25	1,160	1,970	4,750	6,110	14,400	13,000	5,310	3,380	3,010	4,710	2,030	2,380
26	1,150	1,830	6,290	7,040	12,600	11,200	5,050	3,170	2,780	4,720	1,980	2,280
27	1,160	1,720	7,350	7,810	13,700	10,300	4,860	3,010	2,610	4,620	1,980	2,210
28	1,170	1,630	8,450	8,400	13,400	10,500	4,740	2,960	2,490	4,730	1,980	2,140
29	1,180	1,570	9,440	8,600	-----	10,000	4,650	3,130	2,650	4,670	1,970	2,070
30	1,190	1,560	9,280	8,160	-----	9,100	4,770	3,570	2,870	3,950	2,170	2,000
31	1,200	-----	7,210	6,910	-----	7,670	-----	4,110	-----	3,850	2,970	-----
TOTAL	38,450	48,600	131,890	225,630	290,690	360,530	342,340	149,090	145,470	128,930	111,410	68,250
MEAN	1,240	1,620	4,255	7,278	10,380	11,630	11,410	4,809	4,849	4,159	3,594	2,275
MAX	1,680	2,320	9,440	14,800	28,800	28,600	30,800	7,230	9,050	7,900	5,440	3,220
MIN	1,110	1,200	1,850	3,700	4,310	4,560	4,650	2,960	2,490	2,220	1,970	1,800
CFSM	.43	.56	1.47	2.51	3.58	4.01	3.93	1.66	1.67	1.43	1.24	.78
IN.	.49	.62	1.69	2.89	3.73	4.62	4.39	1.91	1.87	1.65	1.43	.88

CAL YR 1974 TOTAL 1,412,500 MEAN 3,870 MAX 20,400 MIN 1,110 CFSM 1.33 IN 18.12
WTR YR 1975 TOTAL 2,041,280 MEAN 5,593 MAX 30,800 MIN 1,110 CFSM 1.93 IN 26.18

247

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.00	2.59	6.36	4.72	8.54	6.59	7.01	3.47	3.04	9.89	3.94	1.90
2	2.45	2.63	5.95	4.65	4.55	6.56	7.19	3.41	3.07	10.12	4.32	1.78
3	2.74	2.75	6.48	4.87	10.04	7.86	6.87	3.47	2.95	9.37	4.04	1.68
4	2.63	2.97	4.40	5.04	10.65	9.53	6.30	3.35	2.78	6.43	3.69	1.61
5	2.54	3.06	9.88	5.28	10.97	10.69	5.87	3.70	2.63	4.85	3.54	1.54
6	2.47	3.10	10.73	5.56	10.93	11.79	5.66	4.00	2.52	4.41	3.25	1.56
7	2.42	3.07	11.18	6.50	10.66	11.37	5.51	3.75	2.42	4.54	2.97	1.74
8	2.35	3.05	10.11	6.46	10.65	11.13	5.50	3.78	2.33	4.63	2.71	1.89
9	2.37	2.99	8.47	5.92	10.83	9.50	5.66	3.70	2.25	4.16	2.49	2.09
10	2.34	2.83	7.56	5.71	11.35	8.40	5.88	4.37	2.18	3.75	2.32	2.04
11	2.30	2.67	6.44	6.56	10.93	8.08	5.75	4.78	2.58	3.49	2.27	1.88
12	2.26	2.60	6.35	8.96	9.45	7.49	5.51	4.23	2.59	3.28	2.30	1.75
13	2.22	2.55	5.90	10.81	9.49	6.97	5.37	3.85	2.29	3.07	3.04	1.64
14	2.21	2.52	5.48	13.96	9.54	6.57	5.18	3.84	2.11	2.89	3.67	1.54
15	2.32	2.52	5.10	17.52	9.53	6.22	4.96	4.48	2.00	2.89	3.67	1.47
16	2.51	2.51	4.85	18.59	9.29	6.13	4.78	5.67	1.92	2.81	3.39	1.40
17	2.50	2.50	4.70	17.70	9.46	6.55	4.59	5.85	1.88	2.81	2.90	1.35
18	2.46	2.51	4.65	15.74	9.23	7.74	4.40	6.06	1.90	2.76	2.61	1.33
19	2.44	2.51	4.75	13.36	9.10	8.33	4.25	5.73	2.10	2.75	2.40	1.32
20	2.47	2.51	5.13	10.15	8.89	7.92	4.13	5.00	3.84	2.67	2.21	1.27
21	2.56	2.50	6.04	7.74	8.42	7.34	4.03	4.36	5.89	2.72	2.23	1.22
22	2.72	2.49	7.03	7.26	7.75	6.82	4.04	4.12	8.28	2.58	2.11	1.20
23	2.88	2.46	6.84	7.20	7.19	6.44	4.18	3.95	8.98	2.47	2.00	1.19
24	2.93	2.55	6.06	7.32	6.85	6.47	4.66	3.78	8.39	2.45	1.93	1.20
25	2.92	2.89	5.40	7.13	6.70	6.26	4.90	3.63	6.54	2.57	1.95	1.24
26	2.86	3.47	4.99	6.72	6.61	5.99	4.51	3.74	5.32	3.65	2.06	1.27
27	2.79	3.66	4.71	6.38	6.59	5.97	4.21	3.82	5.06	3.96	2.35	1.29
28	2.72	3.55	4.52	6.09	6.58	5.89	3.97	3.67	5.83	3.48	2.31	1.36
29	2.64	4.41	4.40	5.93	6.60	5.77	3.72	3.37	8.09	3.30	2.34	1.43
30	2.57	5.57	4.40	6.14	-----	5.92	3.57	3.21	9.37	3.27	2.22	1.51
31	2.56	-----	4.57	7.13	-----	6.56	-----	3.11	-----	3.52	2.05	-----
MEAN	2.57	2.93	6.38	8.49	9.04	7.60	5.07	4.10	4.04	4.05	2.75	1.52
MAX	3.00	5.57	11.18	18.59	11.35	11.97	7.19	6.06	9.37	10.12	4.32	2.09
MIN	2.21	2.46	4.40	4.65	6.58	5.77	3.57	3.11	1.88	2.45	1.93	1.19
WTR YR 1972 MEAN 4.87 MAX 18.59 MIN 1.19												

APALACHICOLA RIVER BASIN

02349500 Flint River at Montezuma, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	2.92	3.61	8.81	8.91	6.08	10.50	6.31	11.44	3.43	3.55	2.35
2	1.81	2.75	3.42	10.59	9.52	5.96	11.95	6.07	11.41	3.37	3.48	2.49
3	1.87	2.60	3.20	11.49	10.32	6.04	15.16	6.28	11.35	3.27	4.02	2.52
4	1.84	2.37	3.04	12.19	10.42	6.42	16.82	7.08	10.98	3.23	5.03	2.43
5	1.74	2.16	2.96	12.45	11.10	6.84	16.18	8.65	8.27	3.22	4.94	2.36
6	1.64	2.02	5.47	11.99	12.69	6.90	15.16	6.40	6.05	3.18	4.38	2.27
7	1.57	1.97	9.60	10.72	14.05	7.24	14.12	6.14	5.76	3.59	4.54	2.20
8	1.49	1.99	11.09	9.39	14.08	8.45	13.36	6.18	6.66	4.10	4.46	2.17
9	1.47	2.03	11.20	9.71	13.10	8.77	13.96	6.85	7.07	4.41	4.56	2.16
10	1.50	2.11	9.38	10.73	11.50	8.17	16.97	8.42	6.93	4.23	4.23	2.22
11	1.47	2.18	7.40	12.54	10.69	7.46	17.98	9.12	7.31	4.27	3.79	2.23
12	1.42	2.23	5.12	13.89	10.65	7.54	16.92	8.32	7.44	4.22	3.51	2.27
13	1.38	2.73	4.80	13.72	10.33	9.08	15.65	6.97	6.60	4.13	3.37	2.38
14	1.35	2.79	4.64	13.01	10.01	10.89	14.20	6.19	6.15	3.89	3.40	2.64
15	1.39	3.19	4.89	11.63	10.53	13.52	12.41	5.69	6.09	4.00	3.32	2.75
16	1.45	3.24	6.81	8.75	11.13	14.00	10.10	5.36	5.89	4.11	3.41	3.14
17	1.48	3.29	9.10	7.17	11.89	13.00	8.24	5.08	5.67	4.11	4.13	3.13
18	1.47	3.11	10.42	6.65	12.46	11.82	7.88	4.90	5.69	4.27	4.30	2.86
19	1.41	2.95	12.50	6.40	11.49	11.86	7.60	4.78	5.34	4.49	4.63	2.58
20	1.33	3.06	14.22	6.55	9.29	13.21	7.42	4.70	5.48	4.81	4.42	2.70
21	1.30	3.28	14.51	7.75	7.91	13.10	7.23	4.82	5.20	4.62	3.88	2.70
22	1.26	3.44	13.69	8.79	7.37	12.00	6.98	6.06	5.23	4.27	3.39	2.58
23	1.25	3.30	12.17	9.36	7.03	10.85	6.70	6.73	5.76	3.82	3.04	2.48
24	1.31	3.05	11.64	10.10	6.78	9.41	6.45	6.91	6.18	3.44	2.82	2.43
25	1.39	3.10	13.31	10.87	6.55	8.40	12.31	7.14	5.46	3.29	2.71	2.29
26	1.54	3.91	14.23	11.54	6.41	8.24	10.75	6.57	4.85	3.37	2.58	2.17
27	1.66	4.84	13.67	11.80	6.30	8.56	8.34	5.89	4.31	3.49	2.47	2.18
28	1.96	5.01	12.35	11.50	6.20	8.67	7.20	6.14	4.01	3.95	2.40	2.37
29	2.39	4.54	9.11	11.35	-----	8.37	6.74	9.43	3.78	4.35	2.35	2.45
30	3.00	3.98	6.51	11.15	-----	8.14	6.52	12.74	3.57	4.12	2.32	2.51
31	3.12	-----	6.25	10.33	-----	8.92	-----	11.80	-----	3.95	2.28	-----
MEAN	1.64	2.99	8.72	10.42	9.95	9.29	11.39	6.89	6.53	3.90	3.60	2.47
MAX	3.12	5.01	14.51	13.89	14.08	14.00	17.98	12.74	11.44	4.81	5.03	3.14
MIN	1.25	1.97	2.96	6.40	6.20	5.96	6.45	4.70	3.57	3.18	2.28	2.16
WTR YR 1973 MEAN 6.46 MAX 17.98 MIN 1.25												

02349500 Flint River at Montezuma, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.53	2.15	3.91	8.23	13.53	7.90	7.06	4.06	3.72	2.52	3.50	2.88
2	2.81	2.29	3.70	9.11	14.56	7.39	6.63	3.93	3.50	2.40	3.07	3.62
3	4.24	2.38	3.41	10.24	14.00	7.12	6.75	3.81	3.40	2.35	2.73	3.92
4	5.29	2.32	3.23	11.08	13.29	6.90	8.11	3.72	3.53	2.52	2.71	3.99
5	4.86	2.28	3.27	12.18	11.29	6.71	9.64	3.77	3.70	2.84	3.07	3.92
6	4.39	2.25	4.35	12.73	9.19	6.50	10.77	4.51	3.56	3.30	4.16	4.06
7	3.83	2.23	5.47	12.54	8.92	6.32	13.65	5.25	3.42	3.71	4.94	4.72
8	3.25	2.20	5.32	11.94	10.80	6.13	16.31	5.13	3.41	3.69	5.07	5.55
9	2.86	2.25	5.00	11.02	13.07	5.98	15.38	4.53	5.09	3.72	6.07	5.29
10	2.64	2.44	4.59	9.97	15.97	5.85	13.69	4.08	7.06	3.79	6.64	4.56
11	2.49	2.78	4.10	9.43	16.48	5.74	12.78	3.80	7.50	4.00	5.83	4.02
12	2.37	2.86	3.65	8.78	15.22	5.69	12.22	4.23	7.34	3.75	5.89	3.57
13	2.29	2.76	3.37	7.67	13.35	5.61	10.28	4.83	7.31	3.21	5.99	3.23
14	2.23	2.63	3.23	6.79	11.31	5.49	7.93	5.01	6.95	2.87	5.26	3.00
15	2.19	2.55	3.18	6.09	9.92	5.33	7.45	4.81	6.28	2.59	4.67	2.98
16	2.17	2.53	3.16	5.72	10.82	5.24	7.34	4.69	6.14	2.41	4.91	2.96
17	2.15	2.55	3.58	5.48	12.91	5.20	7.07	4.33	5.55	2.36	5.34	2.81
18	2.13	2.57	4.10	5.30	15.30	5.18	6.58	4.26	4.58	2.58	5.53	2.63
19	2.09	2.56	4.01	5.18	17.13	5.12	6.06	4.49	3.96	3.04	5.21	2.47
20	2.07	2.53	3.88	5.11	15.78	5.26	5.68	4.35	3.55	2.98	4.43	2.40
21	2.04	2.60	3.91	6.17	14.15	5.90	5.40	4.28	3.34	2.73	3.89	2.39
22	2.02	3.00	4.28	8.17	13.13	6.87	5.18	4.17	3.23	2.85	3.57	2.37
23	2.00	3.53	4.58	9.66	12.40	7.42	5.05	3.98	3.11	2.95	3.33	2.36
24	1.99	3.90	4.42	10.32	11.52	7.24	5.18	5.37	2.80	3.11	3.08	2.34
25	1.97	3.81	4.21	10.12	11.30	6.69	5.37	6.61	2.68	3.15	2.87	2.33
26	1.96	3.60	4.08	9.38	11.16	6.36	5.16	7.52	2.57	4.21	2.68	2.31
27	1.96	3.45	5.08	8.95	10.37	6.07	4.86	6.62	2.55	4.49	2.51	2.44
28	1.94	3.39	7.73	9.93	9.00	6.00	4.63	5.39	2.54	4.86	2.37	3.08
29	1.96	3.45	8.82	10.98	-----	6.21	4.39	4.95	2.74	5.42	2.26	3.40
30	2.01	3.79	8.92	12.02	-----	6.54	4.16	4.54	2.70	4.73	2.23	3.18
31	2.06	-----	7.96	12.64	-----	6.98	-----	4.08	-----	3.97	2.32	-----
MEAN	2.61	2.79	4.60	9.13	12.71	6.22	8.03	4.68	4.26	3.33	4.07	3.29
MAX	5.29	3.90	8.92	12.73	17.13	7.90	16.31	7.52	7.50	5.42	6.64	5.55
MIN	1.94	2.15	3.16	5.11	8.92	5.12	4.16	3.72	2.54	2.35	2.23	2.31

WTR YR 1974 MFAN 5.43 MAX 17.13 MIN 1.94

APALACHICOLA RIVER BASIN

02349500 Flint River at Montezuma, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.74	1.89	3.11	7.62	7.74	13.38	9.58	7.95	6.44	5.20	6.97	5.32
2	2.51	1.90	4.76	7.03	6.83	12.25	9.09	8.03	7.20	4.80	7.26	4.90
3	2.28	1.91	5.81	6.76	6.76	10.55	9.04	7.55	9.02	4.27	7.70	4.56
4	2.13	1.91	5.39	6.36	6.94	8.90	10.07	7.29	9.90	4.01	7.85	4.10
5	2.01	1.94	4.77	5.99	7.27	8.07	14.65	7.41	9.79	3.96	7.03	3.73
6	1.94	1.97	4.26	6.36	8.01	7.62	19.68	7.38	7.58	3.99	6.54	3.47
7	1.90	2.05	3.92	6.47	8.63	7.32	19.34	7.35	5.88	4.87	7.09	3.46
8	1.87	2.23	3.90	6.52	9.11	7.19	17.34	7.68	5.27	5.45	7.79	3.61
9	1.84	2.36	4.27	7.45	9.48	7.13	15.09	8.21	5.32	6.88	8.04	3.63
10	1.82	2.34	4.55	8.68	9.63	7.25	13.14	8.06	7.00	7.03	8.02	3.56
11	1.80	2.29	4.26	9.58	8.85	7.13	11.85	7.50	8.45	6.26	7.53	3.77
12	1.78	2.29	3.95	10.76	7.37	7.05	11.15	7.08	9.43	6.54	7.33	3.86
13	1.77	2.34	3.74	12.95	6.89	7.31	10.98	6.95	10.10	6.68	7.57	3.50
14	1.75	2.54	3.55	14.26	7.65	9.66	11.31	6.64	10.80	5.82	7.57	3.27
15	1.72	2.68	3.58	14.90	8.38	11.43	13.43	6.68	11.45	5.51	6.86	3.13
16	1.82	2.67	4.56	15.02	8.11	15.07	14.26	7.82	11.33	6.70	5.85	3.04
17	2.02	2.66	6.57	14.01	9.26	19.23	17.31	8.79	9.98	10.14	5.12	3.02
18	2.17	3.03	6.97	13.21	12.55	19.02	17.56	9.38	7.68	10.41	4.66	3.20
19	2.26	3.53	6.27	11.55	14.33	18.67	15.85	9.80	6.18	9.27	4.38	3.57
20	2.31	3.59	6.05	8.60	18.20	17.65	14.06	9.61	5.55	7.76	4.12	3.99
21	2.25	3.79	7.65	7.19	18.68	17.27	12.52	8.76	5.18	6.43	3.93	4.46
22	2.17	3.87	8.68	6.98	18.60	16.93	10.71	7.84	5.61	6.32	3.81	5.03
23	2.10	3.94	8.66	6.97	17.07	15.99	9.09	6.89	5.96	7.35	3.63	4.68
24	2.02	3.66	7.52	7.49	16.09	14.93	8.30	6.05	5.58	7.29	3.50	4.24
25	1.96	3.32	7.27	8.72	14.79	14.10	7.90	5.54	5.11	7.24	3.41	4.05
26	1.92	3.08	8.89	9.63	13.86	13.09	7.61	5.25	4.78	7.25	3.34	3.88
27	1.91	2.88	9.91	10.33	14.46	12.58	7.40	5.02	4.53	7.13	3.34	3.77
28	1.91	2.71	10.91	10.87	14.32	12.81	7.27	4.94	4.35	7.26	3.35	3.63
29	1.90	2.60	11.78	11.04	-----	12.62	7.17	5.19	4.62	7.18	3.32	3.50
30	1.90	2.59	11.64	10.65	-----	11.99	7.30	5.81	4.94	6.31	3.68	3.38
31	1.89	-----	9.76	9.49	-----	10.46	-----	6.52	-----	6.19	4.96	-----
MEAN	2.01	2.69	6.35	9.47	11.07	12.09	12.00	7.26	7.17	6.50	5.66	3.84
MAX	2.74	3.94	11.78	15.02	18.68	19.23	19.68	9.80	11.45	10.41	8.04	5.32
MIN	1.72	1.89	3.11	5.99	6.76	7.05	7.17	4.94	4.35	3.96	3.32	3.02

WTR YR 1975 MEAN 7.15 MAX 19.68 MIN 1.72

02349900 Turkey Creek at Byromville, Ga.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, on downstream side of bridge on State Highway 90, 0.5 mi (0.8 km) southwest of Byromville, and 11 mi (17.7 km) upstream from mouth.

DRAINAGE AREA.--45 mi² (117 km²), approximately.

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

GAGE.--Water-stage recorder. Prior to June 19, 1958, crest-stage gage at site 50 ft (15 m) upstream at same datum.

AVERAGE DISCHARGE.--17 years (1958-75), 50.6 ft³/s (1.43 m³/s), 15.27 in/yr (387.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,240 ft³/s (35.1 m³/s) Mar. 19, gage height, 11.10 ft (3.383 m); minimum daily, 5.1 ft³/s (144 l/s) Oct. 3, 26.

Period of record: Maximum discharge, 3,940 ft³/s (112 m³/s) Mar. 31, 1970, gage height, 13.30 ft (4.054 m); minimum, 0.1 ft³/s (2.8 l/s) July 28, 1968.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	6.2	9.1	6.4	29	113	94	74	71	10	159	36
2	5.3	5.9	7.2	5.9	28	141	90	57	60	9.1	176	21
3	5.1	6.2	7.0	5.8	93	116	121	46	55	8.6	115	15
4	5.3	6.2	6.8	8.2	103	96	116	40	41	8.2	69	13
5	5.5	6.6	6.6	7.8	82	81	83	35	27	8.2	87	12
6	5.3	6.8	6.6	7.4	71	73	71	26	21	8.6	58	12
7	5.3	7.0	9.1	7.1	59	69	62	36	16	28	86	13
8	5.3	7.7	10	24	47	73	57	78	22	28	61	14
9	5.3	7.7	7.0	26	43	67	56	64	24	17	44	14
10	5.5	7.7	6.3	15	41	58	98	65	164	12	39	12
11	5.5	7.5	6.3	12	36	58	192	177	105	13	79	11
12	5.3	7.9	6.5	49	44	54	126	70	97	15	45	11
13	5.5	7.5	6.3	261	77	53	87	65	83	89	44	10
14	5.7	7.5	6.0	138	50	526	314	67	53	81	36	9.3
15	5.7	8.2	17	71	38	432	825	152	39	24	30	8.8
16	7.5	8.2	14	53	36	254	351	145	34	283	25	8.6
17	7.5	8.9	8.4	42	303	350	211	472	28	655	22	10
18	6.8	11	6.8	35	760	438	159	190	25	304	17	14
19	6.4	8.4	6.4	32	390	886	130	107	23	128	16	13
20	5.7	11	36	32	250	362	110	77	27	81	14	12
21	5.7	9.6	30	31	210	226	90	60	45	63	13	13
22	5.3	7.2	14	24	190	180	79	50	28	52	12	18
23	5.3	6.6	9.7	35	199	173	70	43	19	63	12	20
24	5.3	6.4	8.8	76	282	196	64	31	20	36	11	21
25	5.3	6.6	8.5	97	252	460	60	24	14	29	16	18
26	5.1	7.0	7.7	75	160	224	53	21	14	42	82	15
27	5.3	6.8	6.9	55	131	155	50	29	14	66	39	13
28	5.3	6.8	6.9	45	116	128	57	23	12	30	22	12
29	5.7	7.0	6.7	40	-----	113	58	82	13	24	24	13
30	5.7	8.6	6.6	37	-----	106	87	172	12	20	31	13
31	5.7	-----	6.4	32	-----	100	-----	110	-----	75	39	-----
TOTAL	174.9	226.7	301.6	1,385.6	4,120	6,361	4,021	2,688	1,206	2,310.7	1,523	425.7
MEAN	5.64	7.56	9.73	44.7	147	205	134	86.7	40.2	74.5	49.1	14.2
MAX	7.5	11	36	261	760	886	825	472	164	655	176	36
MIN	5.1	5.9	6.0	5.8	28	53	50	21	12	8.2	11	8.6
CFSM	.13	.17	.22	.99	3.27	4.56	2.98	1.93	.89	1.66	1.09	.32
IN.	.14	.19	.25	1.15	3.41	5.26	3.32	2.22	1.00	1.91	1.26	.35

CAL YR 1974 TOTAL 11,217.0 MEAN 30.7 MAX 393 MIN 2.1 CFSM .68 IN 9.27
WTR YR 1975 TOTAL 24,744.2 MEAN 67.8 MAX 886 MIN 5.1 CFSM 1.51 IN 20.46

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-18	unknown	10.7	950	4-15	0700	10.85	1,060
3-14	2000	10.61	896	5-17	0800	10.17	665
3-19	0500	11.10	1,240	7-17	0300	10.64	914
3-25	0900	9.98	572				

APALACHICOLA RIVER BASIN

02350600 Kinchafoonee Creek at Preston, Ga.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, near right bank on downstream side of bridge on State Highway 41, 1 mi (1.6 km) southwest of Preston, and 1 mi (1.6 km) upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi² (510 km²).

PERIOD OF RECORD.--Discharge: October 1951 to current year.

Chemical analyses: December 1969 to September 1970, November 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 337.7 ft (102.93 m) above mean sea level (levels by Georgia Department of Transportation).

AVERAGE DISCHARGE.--24 years, 214 ft³/s (6.06 m³/s), 14.75 in/yr (374.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,320 ft³/s (150.7 m³/s) Feb. 18, gage height, 8.57 ft (2.613 m); minimum, 77 ft³/s (2.18 m³/s) Oct. 8, Sept. 16.

Period of record: Maximum discharge, 8,200 ft³/s (232 m³/s) Mar. 30, 1970, gage height, 8.96 ft (2.731 m); minimum, 18 ft³/s (.51 m³/s) Aug. 12, 1969.

Maximum stage known since at least 1900, 11.4 ft (3.48 m) in January 1943, from information by Georgia Department of Transportation.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	89	272	148	204	381	330	348	284	187	239	152
2	91	90	328	142	201	402	312	307	366	140	284	138
3	84	91	245	136	254	423	330	259	295	123	316	114
4	80	93	158	145	301	354	368	236	210	117	307	100
5	78	121	139	172	279	313	332	224	173	124	205	93
6	79	118	134	167	259	298	288	212	155	149	268	93
7	79	115	143	147	230	292	272	222	162	216	388	93
8	78	108	193	221	203	354	260	316	185	280	418	134
9	78	106	190	368	188	350	270	317	159	228	298	125
10	79	104	157	423	185	292	401	438	176	168	214	104
11	79	104	153	506	184	272	838	460	271	192	259	95
12	79	129	139	916	207	274	972	370	378	251	380	95
13	78	148	143	1,370	245	287	494	274	356	245	448	94
14	78	128	138	764	224	763	605	263	286	178	305	88
15	78	119	188	452	189	733	2,750	374	301	146	225	81
16	105	119	317	306	213	667	1,760	459	208	144	174	77
17	144	120	335	266	1,400	836	890	544	169	190	150	88
18	123	165	236	239	4,100	1,380	568	548	149	277	136	153
19	101	166	166	225	1,840	1,610	465	480	139	372	126	158
20	90	172	245	233	1,200	1,430	415	322	129	205	125	126
21	86	236	365	259	903	795	381	248	135	269	129	244
22	85	216	356	227	575	534	346	214	137	332	125	170
23	85	153	236	234	490	481	321	199	164	274	117	148
24	86	129	180	353	575	602	306	184	139	223	109	174
25	86	130	173	456	1,030	1,010	295	170	122	196	111	156
26	87	146	184	447	787	1,040	286	177	124	218	145	137
27	87	127	175	373	484	576	282	260	140	201	129	125
28	87	119	160	277	403	425	269	382	149	200	111	117
29	86	116	156	238	-----	384	266	298	141	185	128	110
30	87	139	154	222	-----	370	308	342	212	188	143	110
31	88	-----	152	212	-----	356	-----	298	-----	219	148	-----
TOTAL	2,735	3,916	6,310	10,644	17,353	18,284	15,980	9,745	6,014	6,437	6,660	3,692
MFAN	88.2	131	204	343	620	540	533	314	200	208	215	123
MAX	144	236	365	1,370	4,100	1,610	2,750	548	378	372	448	244
MIN	78	89	134	136	184	272	260	170	122	117	109	77
CFSM	.45	.67	1.04	1.74	3.15	2.99	2.71	1.59	1.02	1.06	1.09	.62
IN.	.52	.74	1.19	2.01	3.28	3.45	3.02	1.84	1.14	1.22	1.26	.70

CAL YR 1974 TOTAL 77,166 MEAN 211 MAX 1,360 MIN 66 CFSM 1.07 IN 14.57
WTR YR 1975 TOTAL 107,770 MEAN 295 MAX 4,100 MIN 77 CFSM 1.50 IN 20.35

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-12	2300	6.90	1,880	3-26	0200	6.28	1,220
2-18	1000	8.57	5,320	4-11	2300	6.30	1,240
2-25	1500	6.29	1,230	4-15	1500	7.98	3,860
3-19	2000	6.91	1,890				

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SPF-CIFIC CONDUCTANCE (MICRO-MHOS)												
DATE		TIME	DIS-CHARGE (CFS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)							
JUNF 13...		1900	346	31	23.5	6.9						
DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	
JUNF 13...	6.6	40	1900	90	3.1	.5	1.8	.4	10	0	8	
DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	
JUNE 13...	2.4	2.5	.3	.07	.31	.02	.07	.08	.09	.04	.02	
DATE	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (Ca+Mg) (MG/L)	
JUNF 13...	.03	.46	.50	.58	2.6	.04	.01	.03	.01	44	10	
DATE	NON-CARBONATE HARDNESS (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	
JUNF 13...	2	160	7.7	0	0	0	3	4	.0	0	20	
SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)												
DATE		TIME	DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)								
OCT. 24...		0850	86	4	1.0							
DEC. 09...		1235	192	9	4.9							
JAN. 22...		0935	229	7	4.6							
APR. 01...		1020	332	11	10							
MAY 14...		0900	234	26	17							
JULY 08...		0910	278	38	29							
AUG. 13...		0730	492	26	35							

02352500 Flint River at Albany, Ga.

LOCATION.--Lat 31°35'39", long 84°04'39", Dougherty County, on right bank at downstream side of Georgia Northern Railway bridge in Albany, and at mile 103.4 (166.4 km).

DRAINAGE AREA.--5,310 mi² (13,800 km²), approximately.

PERIOD OF RECORD.--Discharge: February 1897 to September 1901 (gage heights only), October 1901 to June 1921, September 29 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 1 mi (1.6 km) downstream since 1893 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.03 ft (45.73 m) above mean sea level. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi (1.6 km) downstream at datum 1.3 ft (.40 m) lower. Jan. 1, 1902 to June 30, 1921, nonrecording gage at site 1 mi (1.6 km) downstream at datum 2.0 ft (.61 m) lower.

AVERAGE DISCHARGE.--55 years (1901-20, 1929-75), 6,345 ft³/s (180 m³/s), 16.23 in/yr (412.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 56,300 ft³/s (1,590 m³/s) Mar. 21, gage height, 30.32 ft (9.242 m); minimum daily, 1,070 ft³/s (30.3 m³/s) Nov. 3.
Period of record: Maximum discharge, 77,000 ft³/s (2,180 m³/s) Mar. 7, 1966, gage height, 34.72 ft (10.583 m); minimum daily, 327 ft³/s (9.26 m³/s) Aug. 24, 1930.
Maximum stage since at least 1893, 37.84 ft (11.534 m) Jan. 21, 1925, from floodmark, present site and datum, discharge, 92,000 ft³/s (2,600 m³/s), from rating curve extended above 75,000 ft³/s (2,120 m³/s).
Flood of Mar. 25, 1897 reached a stage of 32.4 ft (9.88 m), from records furnished by National Weather Service, discharge, 72,800 ft³/s (2,050 m³/s).
Flood of Mar. 20, 1929 reached a stage of 34.4 ft (10.49 m), from records furnished by National Weather Service, discharge, 78,800 ft³/s (2,230 m³/s).

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warlick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1504: 1902, 1913(M), 1916-17, 1919-21, 1930(m), 1934 (m), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,350	2,450	2,010	10,900	8,590	19,900	14,500	7,610	10,300	3,650	6,680	3,250
2	3,520	1,290	3,140	7,340	6,810	19,400	9,610	8,800	4,280	7,400	5,170	
3	3,850	1,070	2,500	6,450	6,570	17,200	11,600	7,440	5,740	5,480	7,290	4,240
4	4,570	1,260	4,210	5,880	8,520	13,200	11,700	9,970	10,800	4,360	6,760	4,080
5	2,640	2,030	5,780	3,900	8,090	12,100	11,800	7,330	9,990	2,590	7,220	3,630
6	1,720	2,210	3,250	5,400	7,070	9,610	19,400	7,160	9,790	3,710	8,670	3,100
7	1,700	3,240	3,580	6,810	8,620	9,730	21,800	7,420	8,830	4,720	7,200	2,700
8	2,470	3,090	2,600	6,530	9,340	9,060	24,000	7,370	3,700	5,570	7,250	4,110
9	2,200	2,350	3,050	6,720	8,920	6,460	31,600	9,110	5,580	4,740	7,240	3,440
10	2,410	2,410	4,920	6,880	9,050	7,490	33,300	9,020	6,540	4,180	7,790	3,140
11	2,370	3,390	3,100	8,610	10,000	8,800	30,400	8,810	6,180	6,660	8,340	2,610
12	2,120	1,880	3,220	10,500	9,750	7,970	24,800	8,780	11,100	7,250	8,610	3,430
13	1,270	2,230	2,450	14,900	9,530	8,010	19,400	8,580	12,000	6,250	8,270	3,080
14	1,350	2,670	2,420	13,900	7,370	9,880	20,300	9,540	9,530	6,750	7,270	3,190
15	2,180	2,560	2,300	19,400	7,560	16,900	27,300	8,090	13,500	7,040	7,330	2,130
16	2,520	2,560	2,540	21,800	6,830	20,000	40,600	7,990	12,600	6,340	6,170	3,400
17	1,940	1,420	4,240	20,700	9,530	24,400	42,300	9,680	11,200	7,730	5,930	2,540
18	1,970	1,600	6,360	19,200	17,600	27,200	38,400	12,200	11,200	14,300	5,720	3,120
19	2,080	2,190	5,010	19,000	21,800	35,500	32,700	14,200	9,640	13,800	4,670	4,040
20	1,870	2,780	4,490	15,700	34,400	50,000	32,700	10,100	7,430	13,300	5,000	3,720
21	2,760	2,830	7,420	8,210	42,300	55,400	26,900	13,100	6,260	8,530	3,780	3,230
22	2,830	3,730	6,980	7,170	42,300	48,600	18,400	9,230	5,170	7,220	3,020	3,140
23	2,770	3,690	8,470	6,120	40,900	38,300	11,700	7,270	4,540	6,090	2,990	8,860
24	1,980	3,060	9,250	7,920	39,800	31,000	9,920	7,190	3,860	8,080	2,780	2,680
25	1,620	4,680	8,770	10,100	36,700	27,200	9,900	6,610	2,940	8,010	2,050	2,240
26	1,530	3,760	6,570	9,390	29,100	27,500	9,500	5,860	4,310	7,170	2,990	3,090
27	1,240	3,810	8,130	13,600	23,100	24,500	7,880	4,480	5,090	7,500	2,090	2,980
28	1,830	3,140	8,530	12,400	20,100	20,500	6,380	4,550	4,990	7,360	1,980	2,270
29	2,790	1,830	9,160	13,400	-----	19,200	8,130	5,460	4,380	6,600	3,270	2,840
30	2,660	2,450	12,400	13,300	-----	17,400	8,380	5,920	1,940	8,160	4,030	3,710
31	1,760	-----	9,720	9,500	-----	16,000	-----	6,260	-----	9,450	3,790	-----
TOTAL	71,870	77,700	168,170	341,630	490,250	658,910	615,000	255,130	229,120	216,870	173,580	103,160
MEAN	2,318	2,500	5,425	11,020	17,510	21,260	20,500	8,230	7,637	6,996	5,599	3,439
MAX	4,570	4,680	12,400	21,800	42,300	55,400	42,300	14,200	13,500	14,300	8,670	8,860
MIN	1,240	1,070	2,010	3,900	6,570	6,460	6,340	4,480	1,940	2,590	1,980	2,130
CFSM	.44	.49	1.02	2.08	3.30	4.00	3.86	1.55	1.44	1.32	1.05	.85
IN.	.50	.54	1.18	2.39	3.43	4.62	4.31	1.79	1.61	1.52	1.22	.72
CAL YR 1974	TOTAL	2,195,210	MEAN	6,014	MAX	23,200	MIN	1,060	CFSM	1.13	IN	15.38
WTR YR 1975	TOTAL	3,401,390	MEAN	9,319	MAX	55,400	MIN	1,070	CFSM	1.75	IN	23.83

255

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.51	5.12	6.53	6.47	7.65	7.30	9.15	4.49	4.57	9.31	4.02	4.21
2	4.28	4.13	7.12	6.25	12.10	7.22	8.04	4.71	4.23	10.84	5.00	3.94
3	3.99	4.39	8.46	7.12	14.95	7.57	7.59	4.77	4.20	11.16	5.22	2.71
4	3.31	4.00	9.26	7.06	16.10	7.96	7.46	4.61	4.05	8.53	5.26	2.18
5	4.37	4.12	11.21	8.19	14.36	9.10	6.97	4.03	4.27	7.76	5.02	3.11
6	3.72	3.66	12.27	9.30	13.52	10.17	6.66	3.88	4.52	6.29	4.25	3.82
7	3.19	3.57	11.74	8.49	12.87	9.88	6.45	5.30	4.37	5.41	4.05	2.45
8	3.04	5.09	11.12	8.15	13.32	11.04	5.47	4.52	3.99	5.36	4.46	3.24
9	3.21	4.66	8.93	7.75	12.71	10.80	5.34	4.86	2.83	5.22	4.04	3.79
10	5.91	4.49	9.72	7.74	12.00	9.24	6.14	4.82	3.16	5.18	3.93	3.52
11	4.72	4.22	7.63	8.02	11.58	8.33	6.19	5.06	3.88	5.19	4.05	2.47
12	3.83	4.31	7.99	9.54	11.91	7.96	6.01	5.15	2.55	5.12	3.80	3.09
13	3.95	3.59	7.51	12.55	11.42	6.90	6.04	5.21	3.82	5.06	3.25	3.85
14	4.00	2.21	6.94	17.23	10.93	7.00	5.79	5.24	3.63	4.82	3.16	4.40
15	3.99	3.47	7.12	20.16	10.97	6.92	5.81	6.34	3.99	4.02	3.82	4.49
16	4.30	4.10	7.03	22.22	10.59	7.10	5.43	6.81	3.71	4.32	4.87	4.41
17	4.48	3.94	6.01	21.87	10.52	7.39	5.01	4.86	3.39	4.53	4.68	3.42
18	4.13	3.79	5.84	21.96	10.24	7.65	4.86	4.86	2.56	4.84	4.84	3.09
19	4.15	3.86	5.30	21.83	11.14	7.47	5.34	4.69	3.38	5.32	4.65	4.19
20	4.26	3.70	8.01	19.05	9.02	7.25	5.59	4.95	6.09	4.62	4.15	3.01
21	4.02	3.39	10.90	12.99	8.90	8.65	5.31	5.08	5.90	4.35	3.50	2.93
22	4.17	5.14	12.97	9.46	8.97	7.06	5.37	5.03	6.77	4.60	3.67	2.74
23	4.23	4.63	12.77	8.05	7.78	7.50	4.12	4.90	7.38	3.73	3.73	2.87
24	3.64	4.94	10.43	7.91	8.02	6.68	5.14	4.78	8.62	3.82	3.98	2.41
25	4.46	4.61	8.66	8.04	7.31	6.08	5.56	5.09	7.89	3.76	4.51	2.17
26	4.60	3.79	7.40	8.05	7.61	6.26	5.37	4.61	9.85	4.46	3.99	2.26
27	5.25	3.65	7.17	7.47	7.45	5.76	5.28	4.29	7.30	5.23	3.35	3.03
28	4.02	3.78	6.48	7.27	7.83	6.44	5.08	4.37	7.30	4.65	3.18	2.98
29	4.11	4.04	6.51	6.85	7.46	6.70	4.75	4.66	8.18	4.82	3.98	3.05
30	3.85	6.88	6.03	6.86	-----	6.92	4.86	4.57	8.28	4.67	3.97	3.20
31	2.61	-----	5.77	8.12	-----	7.97	-----	4.80	-----	4.77	4.72	-----
MEAN	4.09	4.21	8.41	11.03	10.66	7.75	5.87	4.88	5.16	5.54	4.16	3.23
MAX	5.91	6.88	12.97	22.22	16.10	11.04	9.15	6.81	9.85	11.16	5.26	4.49
MIN	2.61	2.21	5.30	6.25	7.31	5.76	4.12	3.88	2.55	3.73	3.16	2.17
WTH YR 1972 MEAN 6.24 MAX 22.22 MIN 2.17												

APALACHICOLA RIVER BASIN

02352500 Flint River at Albany, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.50	3.81	5.47	7.81	12.11	6.85	12.75	15.47	14.21	4.61	5.12	3.50
2	2.82	3.99	3.95	12.95	17.00	7.02	16.63	13.74	13.07	4.78	5.02	3.48
3	3.28	4.06	3.58	17.50	22.57	6.92	16.44	9.73	11.89	4.88	4.80	2.71
4	2.81	4.44	3.25	17.19	24.33	7.20	18.50	7.91	9.92	4.58	5.57	3.68
5	3.13	2.35	4.30	13.56	20.13	7.57	20.30	7.47	10.14	3.66	7.46	4.47
6	3.31	2.75	6.79	10.57	14.12	7.50	19.66	7.03	9.42	4.41	6.19	4.54
7	2.95	3.78	8.42	11.56	13.24	8.27	19.55	6.90	7.93	4.13	5.85	5.14
8	2.41	3.84	8.77	11.80	15.17	7.56	19.91	6.99	8.66	4.15	5.54	4.54
9	2.16	3.83	11.91	11.05	16.11	8.23	19.91	8.64	7.41	6.42	5.98	4.21
10	2.80	3.78	12.51	13.60	18.60	9.15	16.22	9.27	7.02	6.62	5.99	3.25
11	2.75	3.38	12.26	11.49	22.08	7.99	17.75	10.29	7.72	6.11	5.72	4.64
12	3.57	2.97	7.78	10.18	20.86	8.11	18.99	8.80	7.37	5.38	5.00	5.01
13	3.17	2.82	6.19	10.22	15.02	7.76	19.29	8.90	7.78	5.47	4.63	4.73
14	3.52	4.43	6.11	13.64	12.44	8.07	18.89	7.66	7.98	5.24	4.65	4.53
15	2.35	4.25	7.83	12.78	15.13	9.63	16.75	6.48	8.27	5.09	4.36	4.19
16	2.84	4.67	10.18	11.99	17.26	11.63	15.35	6.31	8.50	4.95	4.03	3.65
17	3.53	4.93	8.11	9.10	16.34	13.21	7.89	6.35	8.11	6.20	4.87	4.02
18	3.13	4.40	8.44	7.67	15.59	13.17	7.30	6.21	8.40	6.08	4.72	6.22
19	3.68	3.99	8.75	6.22	15.46	12.98	7.25	5.80	8.20	5.76	4.68	5.82
20	3.72	3.95	7.89	6.31	11.96	11.11	7.43	4.95	8.10	5.85	5.18	5.53
21	3.10	5.01	12.72	6.92	11.93	11.40	7.16	4.51	6.66	5.25	5.70	5.14
22	2.50	5.03	15.47	8.90	8.88	11.13	7.02	6.21	6.71	4.90	4.86	5.57
23	2.82	4.54	14.40	9.49	8.16	9.87	6.70	5.97	6.83	4.43	4.46	5.41
24	2.81	3.42	11.42	10.28	6.75	12.02	7.03	6.26	7.20	5.21	4.32	4.99
25	3.16	4.46	11.38	10.61	7.77	9.49	6.92	6.30	8.71	4.60	4.37	5.49
26	3.42	3.63	8.63	11.04	7.26	9.59	8.78	5.86	6.57	4.23	4.19	5.16
27	3.58	3.86	11.80	11.88	7.34	7.66	17.25	7.42	6.30	4.28	4.01	5.15
28	2.99	4.85	10.26	12.15	7.42	7.79	20.44	6.64	6.25	4.30	4.52	5.56
29	2.45	5.48	10.48	13.74	-----	7.79	21.90	8.73	6.20	4.50	4.52	5.41
30	3.07	6.08	8.61	14.19	-----	8.43	18.78	10.67	5.46	5.86	4.32	4.88
31	3.55	-----	6.14	12.24	-----	9.80	-----	13.26	-----	5.35	4.47	-----
MEAN	3.03	4.09	8.83	11.25	14.32	9.19	14.62	7.96	8.23	5.07	5.00	4.69
MAX	3.72	6.08	15.47	17.50	24.33	13.21	21.90	15.47	14.21	6.62	7.46	6.22
MIN	2.16	2.35	3.25	6.22	6.75	6.85	6.70	4.51	5.46	3.66	4.01	2.71

WTR YR 1973 MEAN 7.97 MAX 24.33 MIN 2.16

02352500 Flint River at Albany, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.43	2.93	4.97	8.23	12.05	7.98	7.43	5.43	4.85	3.65	4.60	2.60
2	3.94	3.56	4.35	8.72	12.03	7.90	7.77	4.99	3.13	4.52	3.98	2.35
3	4.30	3.68	4.73	8.25	13.41	6.77	7.79	4.52	3.83	3.01	3.52	3.64
4	4.45	3.99	4.56	8.34	13.97	5.78	8.09	4.67	4.09	3.01	4.04	3.91
5	4.79	3.98	4.60	8.41	11.09	6.75	11.35	4.41	4.67	3.66	4.21	3.14
6	5.61	3.14	4.59	7.81	11.27	6.03	14.87	3.73	4.61	4.24	4.59	3.71
7	4.64	3.66	4.67	8.65	12.04	6.77	17.53	4.75	4.91	4.31	5.02	5.97
8	5.01	4.04	5.60	7.59	11.36	6.50	17.28	5.25	4.22	5.21	5.63	6.08
9	4.05	2.45	5.96	7.93	12.17	6.41	15.70	5.44	4.17	5.68	6.08	5.92
10	3.90	3.60	5.52	9.24	11.62	5.50	15.60	5.20	4.70	5.79	5.30	6.17
11	4.05	3.80	5.36	8.52	13.38	5.30	16.14	4.69	6.23	5.30	6.06	5.70
12	3.04	3.79	4.84	8.63	15.63	6.26	14.36	5.64	6.33	5.29	4.57	5.64
13	3.80	4.20	3.94	7.65	14.65	6.27	12.61	5.33	6.55	3.97	5.52	5.73
14	4.09	5.67	4.74	6.25	13.48	6.28	11.83	5.34	5.99	3.22	6.43	4.97
15	3.06	3.83	3.84	6.79	10.96	6.03	11.01	5.43	7.56	2.94	5.79	4.28
16	3.73	4.19	3.76	8.03	9.13	5.65	7.29	5.38	5.92	4.11	5.41	3.65
17	3.84	4.20	3.74	7.47	12.97	4.95	7.80	5.32	5.46	4.41	4.95	6.07
18	3.29	4.00	3.78	6.99	12.80	4.73	7.59	5.16	5.44	3.41	4.17	4.98
19	3.47	4.02	3.27	6.33	14.51	5.86	7.04	5.60	5.35	3.78	5.36	4.89
20	3.58	3.98	3.32	5.59	15.80	5.67	6.40	5.45	5.02	3.93	5.71	4.76
21	3.50	3.70	3.28	6.65	16.89	6.06	5.78	5.23	5.25	2.71	5.81	4.78
22	3.74	2.56	3.02	6.83	17.08	6.45	5.82	5.06	4.96	3.59	4.94	4.15
23	3.37	3.79	3.03	6.91	15.90	6.69	6.71	5.11	4.46	3.78	4.80	2.66
24	3.23	4.62	3.12	7.71	11.64	7.31	6.65	5.55	4.00	3.77	4.32	2.95
25	3.82	4.87	4.17	8.73	9.59	7.74	6.11	5.14	4.08	3.30	3.29	3.25
26	3.37	4.52	4.97	8.13	9.11	7.25	5.50	4.73	4.09	3.78	3.36	3.52
27	2.98	4.80	5.59	8.69	9.12	7.25	3.60	5.03	3.66	4.68	4.79	3.89
28	3.33	4.75	5.52	7.80	10.23	7.63	3.75	6.54	4.07	4.85	4.86	4.33
29	4.09	4.42	5.96	8.51	-----	8.24	5.31	6.05	3.26	5.90	4.53	4.75
30	4.03	4.44	6.89	11.87	-----	8.32	5.70	6.22	3.58	5.47	5.21	4.57
31	3.65	-----	6.47	11.76	-----	9.12	-----	5.90	-----	4.61	3.76	-----
MEAN	3.88	3.97	4.59	8.03	12.64	6.63	9.35	5.24	4.81	4.19	4.86	4.43
MAX	5.61	5.67	6.89	11.87	17.08	9.12	17.53	6.54	7.56	5.90	6.43	6.17
MIN	2.98	2.45	3.02	5.59	9.11	4.73	3.60	3.73	3.13	2.71	3.29	2.35

WTR YR 1974 MEAN 6.00 MAX 17.53 MIN 2.35

02352500 Flint River at Albany, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.58	3.90	3.51	8.75	7.56	14.97	11.10	7.03	8.45	4.85	6.53	4.55
2	4.43	2.65	4.51	6.89	6.61	14.59	8.13	7.65	7.75	5.26	6.93	5.66
3	4.91	2.37	3.97	6.42	6.48	13.00	9.20	6.93	5.99	5.90	6.86	5.14
4	5.33	2.64	5.10	6.12	7.53	10.18	9.29	8.27	8.73	5.09	6.59	5.08
5	3.95	3.52	6.00	4.97	7.30	9.40	9.34	6.88	8.27	3.83	6.83	4.76
6	3.21	3.73	4.57	5.87	6.75	8.11	14.59	6.79	8.16	4.73	7.60	4.41
7	3.17	4.58	4.79	6.59	7.58	8.16	16.39	6.93	7.67	5.42	6.82	4.12
8	3.94	4.48	4.06	6.46	7.97	7.80	17.90	6.90	4.90	5.82	6.85	5.15
9	3.68	3.84	4.20	6.56	7.74	6.44	21.90	7.81	5.95	5.42	6.84	4.62
10	3.88	3.90	5.49	6.65	7.81	7.25	22.64	7.76	6.47	5.12	7.14	3.78
11	3.85	4.71	4.47	7.55	8.35	7.68	21.40	7.66	6.25	6.08	7.42	4.05
12	3.60	3.34	4.52	8.60	8.20	7.24	18.41	7.65	8.89	6.80	7.56	4.62
13	2.64	3.75	4.24	11.30	8.08	7.25	14.61	7.54	9.44	6.31	7.39	4.36
14	2.73	4.13	4.24	10.66	6.92	8.25	15.27	8.03	8.04	6.58	6.86	4.44
15	3.70	4.00	3.82	15.47	7.02	12.89	19.57	7.27	10.38	6.69	6.89	3.63
16	4.02	4.00	4.02	16.45	6.63	15.09	25.66	7.22	9.16	6.31	6.26	4.60
17	3.42	2.82	5.19	15.57	8.08	18.26	26.33	8.11	8.96	7.07	6.15	4.03
18	3.48	3.04	6.36	14.48	13.31	19.81	24.13	9.55	8.98	10.99	6.03	4.46
19	3.58	3.69	5.58	14.33	16.38	23.54	22.50	10.82	8.08	10.66	5.37	5.03
20	3.39	3.97	5.33	11.95	23.05	28.67	22.50	7.86	6.90	10.27	5.56	4.79
21	4.20	4.28	6.92	7.36	26.33	30.11	19.35	10.16	6.31	7.51	4.57	4.43
22	4.23	4.94	6.70	6.81	26.33	28.30	13.91	7.88	5.72	6.81	4.44	4.34
23	4.16	4.92	7.69	6.22	25.79	24.72	9.25	6.85	5.38	6.18	4.41	7.69
24	3.50	4.45	7.88	7.21	25.33	21.61	8.25	6.81	4.90	7.28	4.25	3.61
25	3.08	5.47	7.64	8.37	24.09	19.79	8.22	6.51	4.36	7.25	3.46	3.72
26	2.99	4.71	6.48	8.00	20.71	19.96	8.01	6.09	5.17	6.80	4.29	4.43
27	2.60	5.00	7.32	10.46	17.33	18.21	7.06	5.27	5.57	6.98	3.59	4.26
28	3.25	4.53	7.52	9.70	15.14	15.45	6.38	5.29	6.10	6.90	3.47	3.78
29	4.16	3.27	7.86	10.36	-----	14.50	7.31	5.84	5.16	6.48	4.56	4.16
30	4.05	3.95	9.96	10.25	-----	13.08	7.44	6.12	3.36	7.33	5.06	4.77
31	3.25	-----	8.17	8.05	-----	12.08	-----	6.32	-----	7.99	4.81	-----
MEAN	3.71	3.95	5.75	9.18	12.87	15.04	14.87	7.35	6.98	6.67	5.85	4.55
MAX	5.33	5.47	9.96	16.45	26.33	30.11	26.33	10.82	10.38	10.99	7.60	7.69
MIN	2.60	2.37	3.51	4.97	6.48	6.44	6.38	5.27	3.36	3.83	3.46	3.61
WTR YR 1975 MEAN 8.03 MAX 30.11 MIN 2.37												

APALACHICOLA RIVER BASIN

259

02352500 Flint River at Albany, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 11...	1545	2560	7.1	9.0	12.2
JAN. 06...	0930	4560	6.7	11.0	9.4
MAR. 05...	1445	12400	6.8	11.0	8.4
MAY 22...	1420	8080	7.0	26.0	6.7
AUG. 26...	1430	2190	7.2	29.0	6.3

DATE	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JAN. 06...	16	.16	.07	.09	.05	16
MAR. 05...	12	.20	.06	.08	.04	16
MAY 22...	16	.30	.05	.06	.05	19
AUG. 26...	33	.21	.12	.15	.10	30

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INIM- CORAL T (UNITS)	TUR- BID- IDY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 06...	53	99	24	--	--	7.0
MAR. 05...	49	81	32	.5	430	6.0
MAY 22...	58	80	25	.7	2300	5.0
AUG. 26...	83	40	9	1.8	930000	4.0

APALACHICOLA RIVER BASIN

02352790 Flint River near Putney, Ga.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, at Plant Mitchell intake, and 2.5 mi (4.0 km) south of Putney.

DRAINAGE AREA.--5,340 mi² (13,800 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 21...	1320	3940	7.3	29.0	6.6
SEP. 25...	1230	2000	7.3	22.5	5.4

DATE	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
AUG. 21...	23	.20	.11	.14	.05	22
SEP. 25...	38	.34	.32	.41	.08	36

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 21...	74	40	12	.8	150000	5.0
SEP. 25...	120	20	8	1.0	430000	3.0

APALACHICOLA RIVER BASIN

261

02352790 Flint River near Putney, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
05...	1610	2320	7.3	20.0	5.3
DEC.					
11...	1415	2840	7.6	9.5	11.8
JAN.					
06...	1100	4500	7.3	11.0	9.2
16...	1345	22800	7.3	9.0	8.1
MAR.					
05...	1345	12100	7.1	12.5	8.4
APR.					
15...	1500	28700	6.9	16.5	6.9
MAY					
22...	1340	8570	7.1	26.0	5.6
JULY					
16...	1300	5000	7.2	26.0	7.2
AUG.					
26...	1215	3920	7.0	29.0	5.9

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
NOV.						
05...	41	.40	.68	.88	.09	42
JAN.						
06...	20	.21	.26	.33	.07	22
16...	12	.13	.09	.12	.09	12
MAR.						
05...	15	.21	.13	.17	.06	20
APR.						
15...	12	.22	.07	.09	.09	17
MAY						
22...	22	.36	.18	.23	.07	30
JULY						
16...	26	.27	.03	.04	.03	26
AUG.						
26...	30	.24	.08	.10	.04	30

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
05...	117	10	6	1.5	230000	3.0
JAN.						
06...	66	80	22	--	--	7.0
16...	43	110	41	1.2	43000	8.0
MAR.						
05...	59	80	33	.7	230000	5.0
APR.						
15...	47	100	50	1.0	7500	7.0
MAY						
22...	79	80	22	.6	6400	5.0
JULY						
16...	76	40	11	--	--	4.0
AUG.						
26...	81	40	8	.9	23000	3.0

APALACHICOLA RIVER BASIN

02335300 Flint River at Newton, Ga.

LOCATION.--Lat 31°18'34", long 84°20'06", Baker County, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi (1.6 km) downstream from Coolewahee Creek, and at mile 69.5 (111.8 km).

DRAINAGE AREA.--5,740 mi² (14,900 km²), approximately.

PERIOD OF RECORD.--Discharge: April 1938 to September 1950 (monthly discharge only for some periods, published in WSP 1304), October 1956 to current year.

Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.20 ft (33.59 m) above mean sea level (levels by Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 7,189 ft³/s (204 m³/s), 17.01 in/yr (432.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 47,700 ft³/s (1,351 m³/s) Mar. 22, gage height, 28.91 ft (8.812 m); minimum, 1,570 ft³/s (44.5 m³/s) Nov. 4.

Period of record: Maximum discharge, 66,000 ft³/s (1,870 m³/s) Mar. 9, 1966, gage height, 34.9 ft (10.64 m); minimum, 7.90 ft³/s (22.4 m³/s) Oct. 20, Nov. 10, 1940.

Maximum stage known since at least 1893, 41.3 ft (12.59 m) Jan. 21, 1925, from floodmarks, discharge, 94,000 ft³/s (2,660 m³/s).

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,200	2,640	2,880	9,310	9,270	20,900	15,200	9,390	8,470	3,790	8,740	3,660
2	3,350	2,410	2,720	8,620	8,290	20,000	14,000	9,020	9,060	4,840	7,220	5,120
3	3,500	1,710	3,370	6,760	6,550	19,100	11,500	9,280	8,230	5,620	7,360	4,920
4	4,000	1,590	2,910	6,460	6,090	15,500	12,300	8,980	8,560	6,040	7,220	4,600
5	4,460	1,810	4,830	5,250	8,480	12,800	11,700	9,780	9,910	3,630	7,080	4,630
6	2,750	2,550	4,400	4,580	7,730	11,600	14,600	8,320	9,610	4,690	7,490	4,110
7	2,310	2,770	3,950	5,650	7,730	10,100	19,300	8,180	9,220	4,270	7,900	3,690
8	2,730	3,640	3,490	6,560	8,720	10,300	20,600	8,280	7,360	5,880	7,220	3,680
9	2,920	3,220	2,700	6,560	8,630	8,240	23,100	8,880	5,420	6,020	7,220	4,700
10	2,800	2,590	4,260	6,550	8,680	8,220	27,700	9,360	7,300	4,760	7,360	4,120
11	2,920	3,290	4,150	7,230	9,250	9,120	31,900	9,320	6,940	6,000	7,760	3,300
12	2,880	3,220	3,730	8,140	9,290	8,900	33,100	9,220	8,320	6,900	8,030	3,880
13	2,350	2,310	3,100	10,000	9,120	8,390	29,200	9,140	10,900	6,950	8,160	4,120
14	1,800	2,750	3,610	14,000	8,290	8,920	23,800	9,330	10,400	6,000	7,760	3,790
15	2,200	3,120	2,880	14,800	7,750	11,900	23,600	9,230	10,500	7,490	7,080	3,130
16	2,750	3,120	2,770	17,800	7,290	16,500	28,200	8,620	12,400	7,080	6,950	3,670
17	2,960	2,510	3,410	19,400	7,680	19,900	34,900	9,180	10,800	6,820	6,410	3,450
18	2,330	1,850	4,790	18,200	11,800	22,800	39,400	10,400	10,700	9,020	5,870	3,440
19	2,580	2,230	5,540	17,500	16,600	25,600	39,300	12,500	10,500	12,000	6,000	4,280
20	2,390	2,940	4,460	17,000	20,800	30,400	36,100	11,900	8,780	11,500	5,350	4,320
21	2,520	3,010	5,270	11,900	26,100	38,900	33,900	11,200	7,920	11,000	5,100	4,270
22	3,430	3,560	5,530	8,090	31,800	46,000	29,300	11,000	7,240	8,880	3,700	3,160
23	3,310	3,910	6,900	7,790	35,900	46,900	19,300	9,060	5,410	7,490	3,910	5,870
24	2,720	3,860	7,790	7,370	37,200	41,700	13,600	8,150	6,050	6,680	3,910	6,440
25	2,400	3,680	8,060	8,630	37,000	34,900	11,700	7,870	4,320	7,900	3,700	2,680
26	2,070	4,790	7,220	9,730	35,200	30,300	11,400	6,950	4,690	7,760	3,480	3,290
27	1,950	3,670	6,800	10,800	30,900	28,500	10,800	6,510	5,760	7,360	3,380	4,160
28	1,730	4,040	7,550	11,600	25,100	25,800	8,100	5,550	6,630	7,490	3,180	3,160
29	2,920	3,190	7,800	12,000	-----	22,000	9,540	6,040	5,370	7,490	3,410	2,900
30	3,090	2,420	10,200	12,200	-----	19,400	9,430	6,300	4,510	7,220	4,090	4,320
31	2,510	-----	9,000	10,900	-----	18,100	-----	6,870	-----	8,030	4,830	-----
TOTAL	85,830	88,400	156,070	321,380	449,240	651,690	646,370	273,810	241,080	216,600	186,870	120,860
MEAN	2,769	2,947	5,035	10,370	14,040	21,020	21,550	8,833	8,036	6,987	6,028	4,029
MAX	4,460	4,790	10,200	19,400	37,200	46,900	39,400	12,500	12,400	12,000	8,740	6,440
MIN	1,730	1,590	2,700	4,580	6,550	8,220	8,100	5,550	4,320	3,630	3,180	2,680
CFSM	.48	.51	.88	1.81	2.74	3.66	3.75	1.54	1.40	1.22	1.05	.70
IN.	.56	.57	1.01	2.08	2.91	4.22	4.19	1.77	1.56	1.40	1.21	.78
CAL YR 1974	TOTAL 2,249,940	MEAN 6,164	MAX 21,600	MIN 1,590	CFSM 1.07	IN 14.58						
WTR YR 1975	TOTAL 3,438,200	MEAN 9,420	MAX 46,900	MIN 1,590	CFSM 1.64	IN 22.28						

APALACHICOLA RIVER BASIN

263

02353000 Flint River at Newton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
DEC. 11...	1230	4370	7.6	10.5	11.2					
JAN. 06...	1230	4720	7.4	12.5	9.0					
MAR. 05...	1300	12600	7.5	12.0	7.7					
MAY 22...	1300	10900	7.2	26.5	5.6					
AUG. 26...	1100	3720	7.1	27.5	5.5					

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JAN. 06...	33	.31	.17	.22	.07	34
MAR. 05...	20	.23	.11	.14	.06	27
MAY 22...	23	.38	.11	.14	.06	30
AUG. 26...	54	.48	.04	.05	.03	54

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JAN. 06...	89	60	22	--	--	5.0
MAR. 05...	72	80	31	.7	230000	4.0
MAY 22...	76	70	22	.9	930	5.0
AUG. 26...	130	30	6	.4	930	3.0

APALACHICOLA RIVER BASIN

02353500 Ichawaynochaway Creek at Milford, Ga.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi (3.5 km) upstream from Alligator Creek, and 5.5 mi (8.8 km) upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi² (1,610 km²), approximately.

PERIOD OF RECORD.--Discharge: August 1905 to December 1907, October 1939 to current year.
Chemical analyses: October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft (45.81 m) above mean sea level (levels by Georgia Department of Transportation). Aug. 29, 1905 to Dec. 31, 1907, nonrecording gage at several sites within 450 ft (137 m) of present site at various datums. Oct. 1, 1939 to Nov. 10, 1941, nonrecording gage at site 100 ft (30 m) downstream at present datum.

AVERAGE DISCHARGE.--38 years, 804 ft³/s (22.8 m³/s), 17.61 in/yr (447.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,660 ft³/s (245 m³/s) Apr. 16, gage height, 12.51 ft (3.813 m); minimum, 279 ft³/s (7.90 m³/s) Oct. 11, 14.

Period of record: Maximum discharge, 10,100 ft³/s (286 m³/s) Jan. 21, 1943, gage height, 13.9 ft (4.24 m); minimum, 1.16 ft³/s (3.29 m³/s) Sept. 16, 17, 1968.

Flood in July 1916 reached a stage of 17.2 ft (5.24 m), from information by local resident, discharge, 15,500 ft³/s (439 m³/s), from rating curve extended above 10,000 ft³/s (283 m³/s).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Moderate diurnal fluctuation at low flow.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	873	293	411	491	773	1,440	1,290	906	1,000	585	1,160	475
2	605	291	503	477	737	1,220	1,390	1,020	1,400	658	1,130	495
3	409	293	575	468	792	1,190	1,490	945	1,500	616	1,130	490
4	346	294	547	469	1,030	1,160	1,490	880	1,400	535	1,150	430
5	323	294	492	477	1,180	1,060	1,230	828	1,200	460	1,010	405
6	310	295	441	501	1,350	951	1,070	795	1,000	435	1,050	380
7	302	298	411	498	1,340	913	1,010	821	850	430	912	365
8	297	306	427	505	1,160	909	905	854	700	445	847	395
9	292	311	483	629	940	944	958	938	600	490	906	405
10	289	313	566	743	822	977	2,760	1,050	850	510	932	420
11	287	315	561	876	752	982	7,440	1,140	1,000	580	834	460
12	289	319	500	994	729	935	7,630	1,200	1,200	646	718	465
13	285	342	483	1,380	720	868	5,190	1,150	1,100	899	652	460
14	283	384	483	2,210	710	885	3,460	1,190	1,290	1,600	658	455
15	284	379	483	4,710	697	1,200	5,080	1,160	1,290	1,090	610	440
16	293	363	488	4,140	715	2,910	8,260	1,130	1,020	808	550	400
17	334	351	559	2,480	807	3,630	5,670	1,390	808	782	515	385
18	410	367	645	1,570	990	3,900	3,040	1,830	700	700	485	440
19	427	472	666	1,200	1,310	4,170	2,290	1,820	658	658	465	515
20	381	629	641	1,080	2,390	5,350	1,890	1,410	590	634	450	560
21	350	787	757	1,040	4,810	5,100	1,620	1,100	530	595	460	540
22	320	861	872	992	3,890	3,490	1,380	950	530	622	460	500
23	306	814	1,020	966	2,840	2,440	1,240	800	545	899	460	480
24	296	739	1,160	1,030	2,120	1,910	1,150	750	555	1,580	440	485
25	297	601	1,050	1,190	1,840	1,890	1,070	720	530	1,280	415	525
26	300	469	790	1,320	1,850	2,020	1,020	700	485	808	405	535
27	294	416	602	1,280	2,120	2,160	958	780	475	700	425	495
28	293	396	540	1,170	1,950	2,310	899	720	455	808	495	470
29	291	384	523	1,040	-----	1,830	460	700	455	867	495	460
30	291	384	500	914	-----	1,390	834	680	510	971	455	445
31	291	-----	493	831	-----	1,260	-----	800	-----	1,130	465	-----
TOTAL	10,648	12,760	18,672	37,671	41,364	61,394	74,574	31,157	25,226	23,821	21,139	13,765
MEAN	343	425	602	1,215	1,477	1,980	2,486	1,005	841	788	682	459
MAX	873	861	1,160	4,710	4,810	5,350	8,260	1,430	1,500	1,600	1,160	560
MIN	283	291	411	468	697	868	834	680	455	430	405	365
CFSM	.55	.69	.97	1.96	2.38	3.19	4.01	1.62	1.36	1.24	1.10	.74
IN.	.64	.77	1.12	2.26	2.48	3.68	4.47	1.87	1.51	1.43	1.27	.83

CAL YR 1974 TOTAL 304,085 MEAN 833 MAX 5,950 MIN 219 CFSM 1.34 IN 14.25
WTR YR 1975 TOTAL 372,191 MEAN 1,020 MAX 8,260 MIN 283 CFSM 1.65 IN 22.33

PEAK DISCHARGE (BASE, 3,000 CFS)

NOTE.--No gage-height record May 12-14, May 21 to June 16.

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-15	1800	8.86	5,120	4-11	2100	12.26	8,390
2-21	1400	8.91	5,170	4-16	1500	12.51	8,660
3-20	2000	9.70	5,880				

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)											
DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)
JUNE 14...	6.8	50	990	40	6.5	.3	24.0	7.3	25	0	21
DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUNE 14...	2.1	3.1	.1	.17	.75	.01	.03	.17	.18	.02	.02
DATE	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	HARD- NESS (CA+MG) (MG/L)
JUNE 14...	.03	.38	.40	.57	2.5	.05	.01	.03	.01	58	17
DATE	NON- CAR- BONATE HARD- NESS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 14...	0	190	7.4	0	0	0	3	3	.0	0	80
DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDE- SED- IMENT (MG/L)	SUS- PENDE- SED- IMENT DIS- CHARGE (T/DAY)							
OCT. 24...	1425	295	6	5.0							
DEC. 10...	1225	592	16	26							
JAN. 15...	1140	4800	76	985							
FEB. 20...	1510	2510	50	344							
APR. 01...	1710	1300	24	87							
MAY 14...	1605	1180	31	99							
JULY 08...	1615	445	15	18							
AUG. 26...	1020	400	16	18							

APALACHICOLA RIVER BASIN

02356000 Flint River at Bainbridge, Ga.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, on downstream side of right major pier of Decatur County Memorial Bridge on U.S. Highway 84 at Bainbridge, 0.2 mi (0.3 km) downstream from Seaboard Coast Line Railroad bridge, at mile 29.0 (46.7 km), and 29.2 mi (47.0 km) upstream from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi² (19,600 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1907 to December 1913, October 1928 to September 1971. Monthly discharge only for some periods, published in WSP 1304. Water years 1971-75 (annual maximum only). Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to July 1973.

AVERAGE DISCHARGE.--49 years (1907-13, 1928-71), 8,740 ft³/s (248 m³/s), 15.68 in/yr (398.3 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 83,200 ft³/s (2,360 m³/s) Mar. 21, 1929, gage height, 37.73 ft (11.500 m); minimum daily, 1,340 ft³/s (37.9 m³/s) Sept. 25, 1963.

Maximum stage known since at least 1893, 40.0 ft (12.19 m), present datum, Jan. 24, 1925, discharge, 101,000 ft³/s (2,860 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s), on basis of slope-conveyance studies.

REMARKS.--Gage heights for water years 1972-75 furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.62	18.70	19.63	20.10	20.28	20.29	20.17	19.30	19.40	20.33	19.32	19.61
2	19.76	18.86	19.64	19.87	20.30	20.23	20.39	19.39	19.42	20.38	19.44	19.81
3	19.38	19.07	19.87	19.56	21.15	20.22	20.30	19.50	19.40	20.48	19.59	19.53
4	18.94	19.17	19.93	19.77	21.85	20.24	20.15	19.64	19.10	20.74	19.77	19.16
5	19.07	19.19	20.16	20.18	22.62	20.33	20.25	19.64	18.79	20.18	19.77	18.83
6	19.31	19.30	20.56	20.18	22.53	20.66	20.19	19.63	18.86	20.10	19.45	19.04
7	19.40	18.98	21.10	20.47	22.48	20.77	20.06	19.30	19.08	19.83	19.17	19.31
8	19.44	18.61	21.20	20.40	22.16	20.70	20.21	19.24	19.22	19.75	19.19	19.51
9	19.44	18.78	21.12	20.38	22.18	20.71	19.65	19.41	19.35	19.40	19.42	19.45
10	19.17	18.92	20.76	20.33	22.17	20.99	19.31	19.44	19.45	19.04	19.57	19.15
11	19.04	19.03	20.80	20.30	21.92	20.87	19.63	19.36	18.97	19.28	19.54	18.76
12	19.25	19.09	20.29	20.08	21.77	20.47	19.86	19.40	18.63	19.55	19.57	18.92
13	19.32	19.14	20.18	20.26	21.81	20.23	19.76	19.45	18.70	19.64	19.24	19.00
14	19.39	18.81	20.25	20.92	21.54	20.06	19.70	19.36	18.92	19.66	18.80	18.98
15	19.48	18.44	20.12	21.80	21.38	20.10	19.88	19.20	19.25	19.75	18.88	19.10
16	19.56	18.47	20.08	22.64	21.28	20.10	19.70	19.57	19.54	19.40	19.05	19.14
17	19.30	18.66	20.03	23.30	21.29	20.28	19.45	19.76	19.75	19.20	19.27	18.91
18	19.02	18.90	19.94	23.80	21.30	20.20	19.43	19.56	19.27	19.44	19.47	18.59
19	19.28	19.15	19.70	24.07	21.34	20.13	19.42	19.48	18.70	19.49	19.67	18.67
20	19.35	19.46	19.64	24.25	21.31	19.98	19.57	19.70	19.60	19.60	19.39	18.88
21	19.40	19.17	19.77	24.25	20.65	20.00	19.83	19.44	19.56	19.55	19.03	18.92
22	19.38	18.68	20.78	23.47	20.64	20.42	19.83	19.20	19.53	19.61	19.08	18.74
23	19.57	18.82	21.23	21.63	20.66	20.18	19.62	19.49	19.74	19.40	19.17	18.55
24	19.27	19.18	21.83	20.58	20.47	20.20	19.17	19.50	20.13	19.06	19.39	18.22
25	18.89	19.48	21.60	20.53	20.44	20.18	19.38	19.54	20.15	19.11	19.48	17.92
26	19.13	19.27	21.02	20.47	20.43	19.80	19.38	19.59	20.10	19.25	19.68	17.91
27	19.21	19.47	20.38	20.51	20.30	19.56	19.49	19.57	20.33	19.36	19.36	18.02
28	19.16	19.16	20.34	20.44	19.95	19.72	19.55	19.30	20.05	19.58	19.04	18.05
29	19.25	19.07	20.16	20.44	20.25	19.86	19.66	19.10	19.97	19.69	19.20	18.20
30	19.43	19.34	20.06	20.27	---	19.89	19.42	19.30	20.14	19.44	19.31	18.17
31	19.07	---	20.11	20.07	---	19.95	---	19.39	---	19.17	19.35	---
MEAN	19.30	19.01	20.40	21.14	21.26	20.24	19.75	19.44	19.44	19.63	19.34	18.84
MAX	19.76	19.48	21.83	24.25	22.62	20.99	20.39	19.76	20.33	20.74	19.77	19.81
MIN	18.89	18.44	19.63	19.56	19.95	19.56	19.17	19.10	18.63	19.04	18.80	17.91

02356000 Flint River at Bainbridge, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.95	18.14	19.66	20.00	21.80	20.46	21.18	25.17	22.47	19.84	19.66	19.67
2	17.62	18.22	19.64	19.95	22.00	20.37	22.07	24.11	22.85	19.40	19.70	19.41
3	17.70	18.30	19.24	20.97	22.50	20.42	23.27	23.50	22.62	19.56	19.83	19.20
4	17.94	18.61	18.85	22.10	24.00	20.22	23.57	22.20	21.95	19.75	19.85	19.00
5	18.05	18.18	19.03	22.40	25.27	20.20	23.93	21.23	21.47	19.56	19.65	19.15
6	18.20	17.83	19.25	22.70	26.05	20.48	24.40	20.85	21.25	19.46	19.87	19.43
7	18.60	17.90	19.57	21.85	25.50	20.42	24.65	20.50	21.15	19.65	20.03	19.62
8	18.05	18.10	19.90	21.32	23.95	20.55	24.72	20.53	20.72	19.27	19.91	19.78
9	17.70	18.14	20.12	21.63	23.40	20.34	24.85	20.43	20.75	18.90	19.66	19.50
10	17.90	18.28	20.55	21.33	23.30	20.48	25.12	20.80	20.41	19.23	19.85	19.21
11	18.12	18.45	20.75	21.80	23.65	20.55	24.86	20.97	20.09	19.64	20.03	19.32
12	18.32	18.22	20.86	21.67	24.45	20.30	24.19	21.35	20.38	19.92	19.68	19.57
13	18.44	17.88	20.16	21.37	25.28	20.53	24.16	21.16	20.50	19.88	19.38	19.70
14	18.40	18.04	19.67	21.22	25.27	20.80	24.27	20.91	20.48	19.90	19.35	19.75
15	18.15	18.35	19.84	21.40	24.07	20.80	24.25	20.63	20.47	19.70	19.43	19.81
16	17.81	18.56	20.10	21.57	23.44	21.05	23.85	20.12	20.65	19.48	19.45	19.55
17	17.93	18.84	20.25	21.31	23.80	21.62	23.56	20.07	20.80	19.40	19.50	19.25
18	18.19	19.05	19.90	20.74	23.88	21.58	21.69	20.20	20.45	19.68	19.69	19.35
19	18.40	18.74	20.10	20.47	23.63	21.66	20.75	20.13	20.53	19.95	19.67	19.63
20	18.17	18.64	20.20	20.23	23.55	21.77	20.65	19.94	20.57	19.90	19.34	19.77
21	18.28	18.85	20.13	20.03	22.75	21.56	20.70	19.69	20.47	19.95	19.56	19.73
22	18.16	19.31	20.50	20.11	22.20	21.25	20.45	19.78	20.17	19.80	19.79	19.63
23	17.85	19.61	21.15	20.47	21.63	21.27	20.40	20.04	20.32	19.52	19.77	19.50
24	18.06	19.43	21.53	20.85	21.16	21.17	20.40	19.80	20.14	19.52	19.56	19.31
25	18.28	19.52	21.09	21.26	20.73	21.45	20.36	19.84	19.95	19.70	19.60	19.42
26	18.27	19.53	20.82	21.32	20.68	20.98	20.37	20.07	20.47	19.75	19.15	19.49
27	18.31	19.05	20.28	21.46	20.67	21.00	20.52	19.92	20.17	19.63	18.75	19.54
28	18.58	19.08	20.74	21.48	20.52	20.52	22.58	20.40	20.04	19.73	18.80	19.64
29	18.42	19.22	20.68	21.67	---	20.47	23.82	20.18	19.95	19.56	19.05	19.73
30	18.03	19.42	20.53	21.75	---	20.40	24.72	20.88	20.07	19.25	19.79	19.52
31	18.05	---	20.28	21.94	---	20.57	---	21.67	---	19.62	19.87	---
MEAN	18.13	18.64	20.18	21.25	23.19	20.82	22.81	20.87	20.74	19.62	19.59	19.51
MAX	18.68	19.61	21.53	22.90	26.05	21.77	25.12	25.17	22.85	19.95	20.03	19.81
MIN	17.62	17.83	18.85	19.95	20.58	20.20	20.36	19.69	19.95	18.90	18.75	19.00

APALACHICOLA RIVER BASIN

02356000 Flint River at Bainbridge, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.17	18.45	19.79	19.85	21.12	21.24	20.56	19.90	19.88	18.70	19.66	19.40
2	19.24	18.55	19.34	20.13	21.24	20.67	20.50	19.81	19.50	18.91	19.58	19.13
3	19.29	18.66	18.89	20.21	21.31	20.52	20.35	19.83	19.00	19.32	19.52	18.82
4	19.28	18.41	19.06	20.46	21.17	20.21	20.45	19.73	19.00	19.45	19.32	18.83
5	19.60	18.16	19.25	20.48	21.55	20.21	20.39	19.55	19.15	19.12	19.15	18.95
6	19.65	18.38	19.31	20.35	21.15	20.10	20.90	19.44	19.32	19.44	19.27	19.22
7	19.43	18.57	19.35	20.30	21.05	20.02	21.77	19.40	19.38	19.19	19.40	19.30
8	19.10	18.80	19.70	20.25	21.77	20.15	22.50	19.50	19.55	18.87	19.40	19.53
9	19.26	19.03	19.33	20.12	21.82	20.09	23.17	19.63	19.30	19.25	19.70	19.50
10	19.32	19.11	19.05	20.00	22.25	19.87	23.14	19.73	19.33	19.60	19.87	19.68
11	19.33	18.75	19.20	20.45	22.36	19.57	22.90	19.83	19.33	19.70	19.77	19.73
12	19.38	18.48	19.29	20.36	22.25	19.80	22.86	19.95	19.60	19.65	19.40	19.77
13	19.45	18.72	19.36	20.17	22.55	19.95	22.75	19.95	19.83	19.72	19.40	19.78
14	19.09	18.94	19.45	19.80	22.54	19.81	22.18	19.82	19.87	19.45	19.50	19.80
15	18.81	19.25	19.44	19.94	22.17	19.67	21.85	19.87	19.87	19.07	19.68	19.42
16	18.85	19.31	19.15	19.90	21.75	20.00	21.75	19.85	19.95	19.22	19.78	18.78
17	18.82	19.33	18.89	19.88	21.20	19.80	20.75	19.78	19.60	19.32	19.68	18.82
18	18.93	19.02	18.83	20.00	21.72	19.27	20.47	19.90	19.65	19.44	19.48	19.15
19	18.97	18.77	18.91	20.11	22.12	19.28	20.50	19.78	19.58	19.50	18.95	19.11
20	18.97	18.84	19.05	19.61	22.30	19.68	20.48	19.48	19.56	19.47	19.14	19.12
21	18.70	18.92	19.45	19.33	22.62	19.85	20.15	19.45	19.60	19.27	19.37	19.17
22	18.40	19.40	19.45	19.71	23.05	19.67	19.76	19.65	19.64	18.90	19.61	19.08
23	18.45	19.22	19.42	20.00	23.18	19.85	19.80	19.67	19.35	19.00	19.61	18.75
24	18.47	19.45	18.78	19.93	23.00	19.88	19.98	19.74	19.00	19.10	19.67	18.52
25	18.45	19.23	18.90	20.08	22.48	19.90	20.00	19.84	18.80	19.17	19.24	18.35
26	18.47	19.10	18.70	20.36	21.87	20.13	19.95	19.80	18.73	19.25	18.90	18.45
27	18.50	19.20	19.10	20.28	20.97	20.03	19.93	19.50	18.82	19.38	19.13	18.55
28	18.17	19.53	19.60	20.28	21.06	20.07	19.57	19.33	18.98	19.20	19.35	18.95
29	17.98	19.53	19.75	20.20	---	20.30	19.20	19.60	19.20	19.15	19.60	18.80
30	18.04	19.54	19.95	20.40	---	20.53	19.55	19.73	19.00	19.57	19.50	18.72
31	18.20	---	19.70	20.78	---	20.46	---	19.83	---	19.67	19.58	---
MEAN	18.90	18.96	19.27	20.12	21.92	20.02	20.94	19.71	19.38	19.29	19.46	19.11
MAX	19.65	19.54	19.95	20.78	23.18	21.24	23.17	19.95	19.95	19.72	19.87	19.80
MIN	17.98	18.16	18.70	19.33	20.97	19.27	19.20	19.33	18.73	18.70	18.90	18.35

02356000 Flint River at Bainbridge, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.84	18.26	18.76	19.93	20.44	23.70	---	20.45	19.82	19.50	19.97	19.37
2	18.87	18.42	18.46	19.92	20.08	22.92	21.66	20.28	20.06	19.46	19.83	19.23
3	18.95	18.06	18.60	19.63	19.71	22.47	21.27	20.39	20.25	19.55	19.93	19.50
4	18.97	17.72	18.61	19.70	19.89	22.25	20.94	20.30	20.01	19.82	19.86	19.63
5	19.06	17.80	18.68	19.37	20.09	21.40	21.08	20.49	20.25	19.48	19.90	19.55
6	18.84	17.88	19.20	18.93	20.05	20.88	21.20	20.36	20.27	19.10	19.96	19.43
7	18.50	18.03	19.32	18.89	20.07	20.64	21.76	20.14	20.33	18.95	20.02	19.28
8	18.54	18.18	19.11	19.00	19.97	20.70	22.45	20.18	20.13	19.05	20.05	19.08
9	18.60	18.35	18.74	19.42	20.05	20.40	22.53	20.17	19.61	19.58	19.88	19.27
10	18.63	18.15	18.75	19.73	19.92	19.94	23.29	20.38	19.72	19.71	19.85	19.43
11	18.68	17.84	19.12	19.84	20.12	20.28	24.65	20.32	19.96	19.58	19.65	19.55
12	18.67	18.15	19.34	19.61	20.19	20.27	25.80	20.22	19.87	19.80	19.90	19.37
13	18.44	18.30	19.37	20.19	20.20	20.13	26.40	20.32	20.16	19.70	20.02	19.53
14	18.10	18.44	19.37	20.48	20.09	20.27	25.93	20.33	20.57	19.56	20.05	19.42
15	18.01	18.60	18.98	20.47	20.06	20.16	25.00	20.25	20.35	19.75	19.95	19.15
16	18.30	18.60	18.75	21.38	19.82	20.93	25.00	20.13	20.43	19.85	20.00	18.98
17	18.25	18.38	18.89	22.04	19.65	21.78	25.87	20.30	20.66	19.72	19.65	---
18	18.34	18.12	19.11	22.10	19.96	22.75	---	20.46	20.51	19.75	19.43	---
19	18.38	18.15	19.42	21.70	20.94	23.61	---	20.78	20.46	20.52	19.55	---
20	18.13	18.29	19.64	21.56	21.34	24.27	---	21.15	20.35	20.67	19.62	---
21	17.85	18.51	19.53	21.40	22.37	25.37	26.80	20.85	20.03	20.50	19.65	---
22	17.84	18.60	19.52	20.40	23.66	26.77	26.30	21.02	19.64	20.10	19.56	---
23	18.22	18.73	18.93	20.00	24.85	---	25.47	20.53	19.39	19.88	19.50	---
24	18.33	18.53	19.24	19.93	25.60	---	22.65	20.28	19.27	19.82	19.18	---
25	18.28	18.36	19.59	20.25	25.82	---	21.47	19.98	19.45	20.06	18.90	---
26	18.28	18.63	19.69	20.27	25.82	---	21.27	19.77	19.32	20.22	19.16	---
27	18.00	18.88	19.70	20.16	25.52	---	20.93	19.82	19.40	19.85	19.55	---
28	17.69	18.97	19.81	20.57	24.72	---	20.70	19.86	19.58	19.55	19.53	---
29	17.74	18.85	19.87	20.59	---	---	20.23	19.78	19.85	19.84	19.37	---
30	18.02	18.73	19.54	20.66	---	---	20.30	19.83	19.50	19.90	19.48	---
31	18.17	---	20.00	20.66	---	---	---	19.92	---	19.83	19.45	---
MEAN	18.37	18.35	19.21	20.28	21.46	---	---	20.29	19.97	19.76	19.69	---
MAX	19.06	18.97	20.00	22.10	25.82	---	---	21.15	20.66	20.67	20.05	---
MTN	17.69	17.72	18.46	18.89	19.65	---	---	19.77	19.27	18.95	18.90	---

APALACHICOLA RIVER BASIN

02356015 Flint River below Bainbridge, Ga.

LOCATION.--Lat 30°53'34", long 84°36'38", Decatur County, at Bainbridge, 0.8 mi (1.3 km) downstream from State Docks, and at mile 26.5 (42.6 km).

DRAINAGE AREA.--7,570 mi² (19,600 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
JULY						
11...	0730	7.4	28.0	6.4		
AUG.						
21...	1015	7.6	28.0	6.6		
SEP.						
24...	1715	7.5	24.5	7.4		

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY						
11...	39	.44	.04	.05	.07	40
AUG.						
21...	46	.51	.03	.04	.04	48
SEP.						
24...	48	.49	.09	.12	.06	48

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT (UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY						
11...	102	20	4	.4	2300	4.0
AUG.						
21...	118	20	7	.6	1500	3.0
SEP.						
24...	108	5	5	--	--	4.0

APALACHICOLA RIVER BASIN

271

02356015 Flint River below Bainbridge, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.				
05...	1100	7.8	20.0	7.1
DEC.				
11...	1045	7.7	11.0	11.4
JAN.				
06...	1630	7.3	13.5	8.6
16...	1130	7.4	10.0	8.3
MAR.				
05...	0950	7.6	11.5	7.9
APR.				
15...	1145	6.9	16.5	6.1
MAY				
22...	1100	7.1	25.5	4.3
JULY				
16...	0945	7.4	26.5	6.5
AUG.				
26...	0900	7.5	26.5	6.6

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
NOV.						
05...	56	.63	.03	.04	.08	54
JAN.						
06...	32	.35	.12	.15	.07	34
16...	13	.18	.10	.13	.10	16
MAR.						
05...	22	.27	.13	.17	.07	29
APR.						
15...	19	.23	.09	.12	.07	25
MAY						
22...	29	.49	.29	.37	.06	38
JULY						
16...	37	.39	.55	.71	.04	37
AUG.						
26...	60	.51	.05	.06	.04	60

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
05...	137	5	6	.8	3900	2.0
JAN.						
06...	87	55	21	--	--	5.0
16...	50	130	68	1.2	4300	8.0
MAR.						
05...	76	80	31	.6	23000	6.0
APR.						
15...	62	120	38	1.0	930	9.0
MAY						
22...	93	60	17	1.1	2300	4.0
JULY						
16...	90	35	15	--	--	3.0
AUG.						
26...	136	20	6	.6	2300	2.0

Lakes and Reservoirs in Apalachicola River basin

02334400 LAKE SIDNEY LANIER.--Lat 34°04'30", long 84°04'20", Forsyth County, Ga., at forebay of dam on Chattahoochee River, 2.5 mi (4.0 km) upstream from bridge on State Highway 20, 4.5 mi (7.2 km) northwest of Buford, Ga., and at mile 348.3 (560.4 km). Drainage area, 1,040 mi² (2,690 km²), approximately. Period of record, January 1956 to current year. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 2,037,200 acre-ft (2,510 hm³) Mar. 17, elevation, 1,073.09 ft (327.08 m); minimum, 1,605,900 acre-ft (1,980 hm³) Nov. 18, elevation, 1,061.33 ft (323.49 m). Extremes for period of record: Maximum contents, 2,205,200 acre-ft (2,720 hm³) Apr. 14, 1965, elevation, 1,077.20 ft (328.33 m); minimum, after beginning operation, 1,480,800 acre-ft (1,830 hm³) Dec. 18, 1970, elevation, 1,057.53 ft (322.34 m).

Lake is formed by a rolled-fill earth dam, completed June 1957. Storage began in January 1956. Usable capacity, 1,686,000 acre-ft (2,080 hm³) between elevations 1,035 and 1,085 ft (315.5 and 330.7 m). Dead storage, 868,000 acre-ft (1,070 hm³). Total capacity at top of flood pool at elevation 1,085 ft (330.7 m), 2,554,000 acre-ft (3,150 hm³). Lake is used for flood control and power. Records furnished by Corps of Engineers.

02341000 BARTLETTS FERRY RESERVOIR (LAKE HARDING).--Lat 32°39'46", long 85°05'27", Harris County, Ga., at forebay of dam on Chattahoochee River, 3.3 mi (5.3 km) upstream from Mulberry Creek, 15 mi (24 km) northwest of Columbus, Ga., and at mile 178.0 (286.4 km). Drainage area, 4,240 mi² (11,000 km²), approximately. Period of record, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway, crest elevation, 500.0 ft (152.40 m) is equipped with 19 taintor gates 25 ft (7.63 m) wide by 21 ft (6.40 m) high and 2 trash gates 11 ft (3.35 m) wide by 9 ft (2.74 m) high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft (158.80 m) (top of gates) is 181,000 acre-ft (223 hm³), of which 136,000 acre-ft (168 hm³) is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

02343240 WALTER F. GEORGE LAKE.--Lat 31°37'27", long 85°04'03", Clay County, Ga., at forebay of dam on Chattahoochee River, 1.6 mi (2.6 km) upstream from bridge on State Highway 37, 1 mi (1.6 km) north of Ft. Gaines, Ga., and at mile 75.0 (120.7 km). Surface area, 70.6 mi² (182.9 km²), at elevation 190.0 ft (57.91 m) above mean sea level, from data furnished by Corps of Engineers. Drainage area, 7,460 mi² (19,300 km²), approximately. Period of record, May 1962 to current year. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 948,900 acre-ft (1,170 hm³) July 22, Aug. 11, elevation, 190.32 ft (58.01 m); minimum, 688,200 acre-ft (849 hm³) Jan. 3, elevation, 183.95 ft (56.07 m). Extremes for period of record: Maximum contents, 993,700 acre-ft (1,230 hm³) May 20, 1969, elevation, 191.28 ft (58.30 m); minimum, after first filling, 660,400 acre-ft (814 hm³) Apr. 23, 1965, elevation, 183.17 ft (55.83 m).

Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The non-overflow section at the dam includes a powerhouse. The spillway, crest elevation, 163.0 ft (49.68 m) is equipped with 14 taintor gates 42 ft (12.80 m) wide by 29 ft (8.84 m) high. Total capacity at elevation 190.0 ft (57.91 m), full summer pool, 934,400 acre-ft (1,150 hm³), of which 244,400 acre-ft (301 hm³) between elevation 190.0 and 184.0 ft (57.91 and 56.08 m), minimum pool, is controlled storage. Filling began in May 1962. Power operations commenced on Mar. 13, 1963 with pool at elevation 177.5 ft (54.10 m). Lake is used for navigation and power. Records furnished by Corps of Engineers.

02357500 LAKE SEMINOLE.--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., on line between sections 29 and 32, T. 4N., R. 6W., on right upstream lock wall of Jim Woodruff Dam on Chattahoochee River, 0.6 mi (1.0 km) upstream from bridge on U.S. Highway 90, and 1.5 mi (2.4 km) northwest of Chattahoochee, Fla. Surface area, 58.6 mi² (152 km²), at elevation 77.0 ft (23.47 m) above mean sea level, from data furnished by Corps of Engineers. Drainage area, 17,100 mi² (44,300 km²), approximately. Period of record, October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 22, 1957, nonrecording gage at same site at datum 53.96 ft (16.45 m) higher; gage readings have been reduced to elevations above mean sea level. Extremes for current year: Maximum contents, 398,200 acre-ft (491 hm³) Apr. 6, elevation, 77.80 ft (23.71 m); minimum, 322,500 acre-ft (398 hm³) Nov. 4, elevation, 75.75 ft (23.09 m). Extremes for period of record: Maximum contents, 433,000 acre-ft (534 hm³) Apr. 7, 8, 1960, elevation, 78.66 ft (23.98 m); minimum after Feb. 4, 1957, 278,000 acre-ft (342 hm³) Nov. 4, 1968, elevation, 74.40 ft (22.68 m).

Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft (12.2 m) long and 30.5 ft (9.30 m) high, and a side channel navigation lock 82 ft (25 m) wide. Total capacity at elevation 77.0 ft (23.47 m), normal pool, is 367,320 acre-ft (453 hm³), of which 36,170 acre-ft (44.6 hm³) between elevations 77.0 and 76.0 ft (23.47 and 23.16 m) is used for pondage. 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 (23.47 m). Figures given herein represent total contents. Lake is used for navigation and power. Records furnished by Corps of Engineers. Revisions: Water Years, WSP 1554: 1955-57.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)
		02334400 Lake Sidney Lanier			02341000 Bartletts Ferry Reservoir	
Sept. 30.....	1,070.70	1,943,600	-	520.2	176,000	-
Oct. 31.....	1,066.25	1,778,100	-165,500	520.6	179,000	+3,000
Nov. 30.....	1,061.65	1,616,800	-161,300	519.0	169,000	-10,000
Dec. 31.....	1,062.90	1,659,500	+42,700	520.4	177,000	+8,000
CAL YR 1974.....	-	-	-213,400	-	-	-2,000
Jan. 31.....	1,065.50	1,751,100	+91,600	519.3	171,000	-6,000
Feb. 28.....	1,070.31	1,928,800	+177,700	519.9	174,000	+3,000
Mar. 31.....	1,072.82	2,026,400	+97,600	521.0	181,000	+7,000
Apr. 30.....	1,071.10	1,959,100	-67,300	520.1	176,000	-5,000
May 31.....	1,071.38	1,970,000	+10,900	520.6	179,000	+3,000
June 30.....	1,071.21	1,963,400	-6,600	519.8	174,000	-5,000
July 31.....	1,071.22	1,963,800	+400	520.4	177,000	+3,000
Aug. 31.....	1,070.04	1,918,500	-45,300	520.1	176,000	-1,000
Sept. 30.....	1,070.50	1,936,000	+17,500	520.5	178,000	+2,000
WTR-YR 1975.....	-	-	-7,600	-	-	+2,000

Lakes and Reservoirs in Apalachicola River basin--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)	Elevation (feet)	Contents (acre- feet)	Change in contents (acre-feet)
	02343240 Walter F. George Lake			02357500 Lake Seminole		
Sept. 30.....	187.80	838,700	-	76.72	356,900	-
Oct. 31.....	186.80	797,400	-41,300	76.36	343,900	-13,000
Nov. 30.....	187.11	810,000	+12,600	76.72	356,900	+13,000
Dec. 31.....	185.29	738,100	-71,900	77.41	382,900	+26,000
CAL YR 1974.....	-	-	-71,500	-	-	-3,100
Jan. 31.....	184.50	708,400	-29,700	77.52	387,200	+4,300
Feb. 28.....	185.10	730,900	+22,500	77.64	391,900	+4,700
Mar. 31.....	184.90	723,300	-7,600	77.47	385,200	-6,700
Apr. 30.....	189.70	920,900	+197,600	77.39	382,100	-3,100
May 31.....	189.60	916,400	-4,500	77.36	381,000	-1,100
June 30.....	189.40	907,600	-8,800	77.41	382,900	-1,900
July 31.....	189.40	907,600	0	77.48	385,600	+2,700
Aug. 31.....	189.20	898,800	-8,800	77.22	375,600	-10,000
Sept. 30.....	189.10	894,400	-4,400	77.04	368,800	-6,800
WTR YR 1975.....	-	-	+55,700	-	-	+11,900

MOBILE RIVER BASIN

02379500 Cartecay River near Ellijay, Ga.

LOCATION.--Lat 34°40'53", long 84°27'20", Gilmer County, on right bank adjacent to State Highway 52, 0.8 mi (1.3 km) downstream from Owltown Creek, 2 mi (3.2 km) southeast of Ellijay, and 2 mi (3.2 km) upstream from confluence with Ellijay River.

DRAINAGE AREA.--135 mi² (350 km²).

PERIOD OF RECORD.--Discharge: March 1937 to current year.

Chemical analyses: October 1972 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 1,255.39 ft (382.64 m) above mean sea level, Corps of Engineers bench mark. Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 285 ft³/s (8.07 m³/s), 28.67 in/yr (728.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,740 ft³/s (77.6 m³/s) Jan. 25, gage height, 5.10 ft (1.554 m); minimum, 112 ft³/s (3.17 m³/s) Nov. 4, 5, 10, 11, Sept. 6, gage height, 1.57 ft (.479 m).

Period of record: Maximum discharge, 20,000 ft³/s (566 m³/s) Apr. 8, 1938, gage height, 13.0 ft (3.96 m), from floodmark, from rating curve extended above 3,900 ft³/s (110 m³/s), on basis of slope-area measurement of peak flow; minimum daily, 64 ft³/s (1.81 m³/s) Oct. 26, 1941.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	114	313	283	284	494	768	439	508	212	196	151
2	122	114	204	246	422	488	692	495	326	207	181	130
3	120	113	172	245	494	446	479	444	292	206	170	122
4	122	112	160	332	904	428	603	430	277	197	174	117
5	123	168	152	273	1,620	405	573	366	278	203	185	114
6	122	148	146	248	872	400	548	345	352	196	254	120
7	120	124	148	228	632	410	525	391	320	206	213	210
8	119	118	228	217	524	428	511	384	278	200	324	250
9	119	115	204	220	464	380	507	431	261	193	200	154
10	119	114	174	228	422	400	516	356	257	197	253	137
11	117	122	161	608	390	650	489	330	345	205	294	141
12	117	160	158	470	524	548	466	319	446	192	217	139
13	117	131	151	614	422	944	447	321	328	175	185	139
14	115	127	145	390	380	1,540	456	300	284	168	173	127
15	115	140	150	320	360	816	463	369	276	167	164	119
16	221	125	164	292	638	657	431	448	268	177	170	118
17	162	128	150	270	706	602	417	350	254	165	158	171
18	134	145	144	259	792	572	407	511	245	161	193	171
19	127	151	148	262	912	692	405	367	239	158	171	150
20	123	308	148	292	632	620	391	327	263	170	155	132
21	122	225	143	259	536	554	375	309	247	174	148	124
22	121	161	139	242	476	578	367	298	234	162	144	135
23	119	143	136	234	608	542	364	288	224	162	141	243
24	119	135	183	242	1,640	1,220	361	282	215	335	136	295
25	119	132	433	1,580	824	896	403	274	213	272	133	198
26	117	128	344	699	650	644	379	286	214	204	131	166
27	118	125	251	452	578	584	349	333	232	178	134	151
28	117	122	323	370	530	560	343	289	257	166	131	141
29	115	119	385	332	-----	888	338	298	255	164	129	134
30	117	165	408	316	-----	1,670	337	345	228	160	125	132
31	115	-----	329	292	-----	944	-----	356	-----	196	148	-----
TOTAL	3,858	4,232	6,494	11,315	18,236	21,000	13,710	11,081	8,416	5,928	5,530	4,591
MEAN	124	141	209	365	651	677	457	357	281	191	178	153
MAX	221	308	433	1,580	1,640	1,670	768	511	508	335	324	295
MIN	115	112	136	217	284	380	337	274	213	158	125	114
CFSM	.92	1.04	1.55	2.70	4.82	5.01	3.39	2.64	2.08	1.41	1.32	1.13
IN.	1.06	1.17	1.79	3.12	5.03	5.79	3.78	3.05	2.32	1.63	1.52	1.27
CAL YR 1974	TOTAL 140,734	MEAN 386	MAX 2,230	MIN 112	CFSM 2.86	IN 38.78						
WTR YR 1975	TOTAL 114,391	MEAN 313	MAX 1,670	MIN 112	CFSM 2.32	IN 31.52						

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	0945	5.10	2,740	3-14	0045	4.84	2,450
2-4	2030	4.46	2,060	3-24	1330	4.89	2,500
2-24	0400	4.90	2,530	3-30	0500	4.55	2,140

02380500 Coosawatee River near Ellijay, Ga.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, on right bank 0.5 mi (0.8 km) downstream from State Highway 5, 2 mi (3.2 km) southwest of Ellijay, and 2.2 mi (3.5 km) downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--238 mi² (616 km²).

PERIOD OF RECORD.--Discharge: October 1938 to December 1949, occasional low-flow measurements 1959, 1961-62. June 1963 to current year.

Chemical analyses: March 1968 to March 1972.

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft (370.65 m) above mean sea level. Prior to June 10, 1940, nonrecording gage at site 0.5 mi (0.8 km) upstream at datum 8.04 ft (2.45 m) higher.

AVERAGE DISCHARGE.--23 years (1938-49, 1963-75), 513 ft³/s (14.5 m³/s), 29.27 in/yr (746.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,060 ft³/s (115 m³/s) Jan. 25, gage height, 6.35 ft (1.935 m); minimum, 169 ft³/s (4.79 m³/s) Nov. 11, gage height, 1.49 ft (.454 m).

Period of record: Maximum discharge, 17,000 ft³/s (481 m³/s) Oct. 4, 1964, gage height, 17.63 ft (5.374 m); minimum, 101 ft³/s (2.86 m³/s) several days in October 1941.

Maximum stage known since at least 1938, 20.7 ft (6.31 m) Mar. 19, 1951, from floodmark.

REMARKS.--Records good. Some diurnal fluctuation caused by gristmills above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	180	558	506	480	883	1,540	694	932	349	316	275
2	206	176	360	432	841	841	1,350	771	617	344	290	228
3	202	176	295	444	953	778	1,290	715	539	344	275	210
4	202	172	270	638	1,560	736	1,090	701	500	327	300	202
5	206	295	246	513	3,040	708	1,020	617	500	344	290	195
6	202	242	237	444	1,840	680	974	584	631	327	438	215
7	199	195	242	396	1,290	701	932	694	578	349	378	617
8	195	183	384	378	1,050	722	904	694	493	344	532	715
9	199	176	344	390	904	645	897	820	462	327	360	344
10	195	172	290	396	785	687	890	659	450	327	519	290
11	191	195	265	911	722	862	841	604	591	355	552	333
12	191	280	255	778	890	869	799	578	729	327	390	311
13	191	210	242	1,010	743	1,400	771	578	558	300	327	311
14	187	202	228	701	673	2,610	778	545	480	285	300	260
15	191	224	242	571	631	1,470	785	652	468	280	275	237
16	396	199	270	500	995	1,180	736	771	474	290	280	228
17	280	202	237	450	1,240	1,020	715	631	438	275	270	260
18	224	233	224	420	1,410	967	701	771	426	265	333	349
19	206	255	233	420	1,620	1,140	694	624	408	260	295	295
20	199	617	228	500	1,210	1,050	673	565	444	280	265	255
21	195	420	219	426	988	953	645	539	420	285	265	237
22	191	280	210	390	883	967	631	519	390	270	246	255
23	191	237	206	372	1,000	911	617	506	372	290	237	450
24	191	219	290	396	2,650	1,760	617	500	355	565	233	597
25	187	210	750	2,580	1,500	1,430	680	487	349	468	228	408
26	187	202	652	1,480	1,160	1,090	645	519	360	360	224	338
27	187	191	450	925	1,020	981	597	597	414	311	228	300
28	183	191	617	708	932	925	584	513	426	280	224	275
29	180	183	729	617	-----	1,440	578	539	414	270	219	255
30	183	270	750	565	-----	3,100	578	652	378	260	215	246
31	180	-----	604	513	-----	1,940	-----	638	-----	311	280	-----
TOTAL	6,327	6,987	11,127	19,770	33,010	35,446	24,552	19,277	14,596	9,969	9,584	9,491
MEAN	204	233	359	638	1,179	1,143	818	622	487	322	309	316
MAX	396	617	750	2,580	3,040	3,100	1,540	820	932	565	552	715
MIN	180	172	206	372	480	645	578	487	349	260	215	195
CFSM	.86	.98	1.51	2.68	4.95	4.80	3.44	2.61	2.05	1.35	1.30	1.33
IN.	.99	1.09	1.74	3.09	5.16	5.54	3.84	3.01	2.28	1.56	1.50	1.48

CAL YR 1974 TOTAL 240,817 MEAN 660 MAX 2,950 MIN 172 CFSM 2.77 IN 37.64
 WTR YR 1975 TOTAL 200,136 MEAN 548 MAX 3,100 MIN 172 CFSM 2.30 IN 31.28

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	1100	6.35	4,060	3-14	0030	5.96	3,710
2-5	0700	5.84	3,610	3-30	0330	6.15	3,880
2-24	0400	5.79	3,560				

MOBILE RIVER BASIN

02381600 Fausett Creek near Talking Rock, Ga.

LOCATION.—Lat 34°34'13", long 84°28'08", Gilmer County, on right bank 25 ft (7.6 m) upstream from culvert on county road, 3.6 mi (5.8 km) upstream from mouth, and 4.5 mi (7.2 km) northeast of Talking Rock.

DRAINAGE AREA.—9.99 mi² (25.9 km²).

PERIOD OF RECORD.—Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.—Water-stage recorder. Altitude of gage is 1,320 ft (402 m), from topographic map.

EXTREMES.—Current year: Maximum discharge, 462 ft³/s (13.1 m³/s) Jan. 25, gage height, 4.62 ft (1.408 m); minimum daily, 4.8 ft³/s (136 l/s) Nov. 29, Dec. 22, 23.

Period of record: Maximum discharge, 3,160 ft³/s (89.5 m³/s) May 29, 1973, gage height, 16.96 ft (5.169 m), from floodmarks; minimum daily, 4.8 ft³/s (136 l/s) Nov. 29, Dec. 22, 23, 1974.

REMARKS.—Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	6.5	14	15	13	30	42	30	29	13	16	9.0
2	5.8	6.5	10	12	21	28	41	21	20	12	12	7.1
3	5.8	6.5	8.4	22	24	25	38	29	17	12	10	6.5
4	5.8	6.5	7.7	18	94	24	34	24	16	12	17	5.8
5	5.8	16	7.1	14	87	24	32	21	16	11	18	5.8
6	5.8	9.0	6.5	13	40	22	31	20	22	12	18	8.4
7	5.8	7.7	7.1	11	28	23	30	28	17	13	24	20
8	5.8	6.5	13	11	24	21	29	24	15	12	22	12
9	5.2	5.8	9.6	11	20	20	30	23	15	12	13	9.6
10	5.2	5.2	7.7	20	18	24	29	20	16	14	14	8.4
11	5.2	7.7	7.1	30	17	43	28	19	27	13	13	9.0
12	5.2	9.0	7.1	36	25	37	26	18	35	12	11	12
13	5.2	6.5	6.5	35	19	84	25	18	22	10	10	9.6
14	5.2	7.7	5.8	20	17	85	27	17	18	9.6	9.6	7.7
15	5.8	8.4	7.7	16	16	40	26	22	18	21	9.6	7.1
16	18	6.5	7.7	14	40	36	25	20	16	19	9.0	7.7
17	8.4	7.1	6.5	12	47	31	24	24	15	12	13	10
18	7.1	9.6	5.8	12	53	31	24	27	14	11	12	12
19	6.5	11	6.5	13	55	39	24	20	14	10	10	9.6
20	6.5	24	5.8	15	36	32	23	17	14	12	9.6	8.4
21	7.1	11	5.2	12	29	30	22	17	14	12	9.0	7.1
22	7.1	8.4	4.8	11	25	31	22	16	13	10	9.0	13
23	7.1	6.5	4.8	11	66	28	21	16	13	10	8.4	18
24	7.1	5.8	15	14	143	78	21	15	13	17	8.4	17
25	7.1	5.8	37	146	51	43	26	15	13	13	7.7	14
26	7.1	5.2	17	37	40	34	21	28	13	14	7.7	12
27	7.1	5.2	12	23	35	31	20	21	13	11	7.7	11
28	7.1	5.2	16	18	31	30	20	17	20	9.6	7.7	9.6
29	6.5	4.8	26	17	-----	66	20	20	17	9.6	7.7	9.0
30	6.5	13	26	15	-----	104	20	18	15	9.6	7.1	9.0
31	6.5	-----	18	14	-----	51	-----	31	-----	11	13	-----
TOTAL	206.2	244.6	339.4	668	1,114	1,225	801	656	520	379.4	364.2	305.4
MEAN	6.65	8.15	10.9	21.5	39.8	39.5	26.7	21.2	17.3	12.2	11.7	10.2
MAX	18	24	37	146	143	104	42	31	35	21	24	20
MIN	5.2	4.8	4.8	11	13	20	20	15	13	9.6	7.1	5.8
CFSM	.67	.82	1.09	2.15	3.98	3.95	2.67	2.12	1.73	1.22	1.17	1.02
IN.	.77	.91	1.26	2.49	4.15	4.56	2.98	2.44	1.94	1.41	1.36	1.14

WTR YR 1975 TOTAL 6,823.2 MEAN 18.7 MAX 146 MIN 4.8 CFSM 1.87 IN 25.41

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G.H.	DISCHARGE
1-25	0815	4.62	462
2-24	0115	3.86	336

MOBILE RIVER BASIN

277

02382200 Talking Rock Creek near Hinton, Ga.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, on left bank 300 ft (91 m) below Scarecorn Creek, and 3.3 mi (5.3 km) northwest of Hinton.

DRAINAGE AREA.--120 mi² (311 km²).

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (271 m), from topographic map.

EXTREMES.--Current year: Maximum discharge, 3,550 ft³/s (101 m³/s) July 2, gage height, 7.26 ft (2.213 m); minimum, 35 ft³/s (0.99 m³/s) Oct. 10, 11, gage height, 1.01 ft (.308 m).

Period of record: Maximum discharge, 4,850 ft³/s (137 m³/s) Apr. 13, 1974, gage height, 8.45 ft (2.576 m); minimum, 35 ft³/s (.99 m³/s) Oct. 10-11, 1974, gage height, 1.01 ft (.308 m).

Flood of May 28, 1973, reached a stage of 15.45 ft (4.709 m), from floodmarks, discharge, 18,400 ft³/s (521 m³/s), from rating curve extended above 3,100 ft³/s (87.8 m³/s) on basis of slope-area measurements at gage heights 8.66 and 15.45 ft (2.640 and 4.709 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	53	186	215	149	261	469	268	324	118	152	103
2	49	51	112	167	191	248	408	218	214	530	127	78
3	44	51	96	158	264	221	376	245	165	284	99	69
4	40	51	91	235	921	209	322	243	146	142	134	65
5	40	90	85	189	1,310	197	295	196	137	112	195	63
6	40	75	81	159	583	187	276	177	154	107	150	67
7	38	61	82	139	388	189	261	302	161	112	131	155
8	37	59	121	133	298	192	252	263	135	118	177	203
9	36	58	105	132	255	166	260	278	119	106	115	98
10	36	58	93	148	225	188	270	217	117	110	115	190
11	36	62	86	386	207	475	240	186	225	135	122	186
12	50	88	86	350	358	439	221	172	543	105	101	175
13	44	66	81	476	272	793	210	173	292	95	92	142
14	42	66	77	279	231	1,670	223	156	188	89	88	94
15	40	76	83	206	226	585	228	233	164	85	84	81
16	107	66	97	177	517	425	208	249	143	181	81	78
17	73	68	84	152	626	361	188	278	127	96	80	83
18	59	77	79	138	638	328	193	451	119	90	109	107
19	55	85	81	136	697	401	192	266	112	84	87	96
20	52	274	80	179	442	348	184	203	124	104	83	84
21	51	145	79	146	334	301	179	177	138	120	78	77
22	52	94	75	132	283	303	173	165	106	111	75	93
23	53	80	73	125	308	279	171	155	100	94	73	161
24	53	73	163	134	1,350	701	172	147	97	126	70	190
25	54	73	387	1,760	569	494	192	139	128	144	68	124
26	54	70	270	596	398	359	178	258	175	117	67	105
27	54	67	171	339	330	304	165	247	190	116	68	95
28	53	66	193	247	288	275	163	183	175	92	69	87
29	53	64	300	206	-----	564	160	212	150	87	71	81
30	54	116	362	181	-----	1,490	161	260	135	91	66	77
31	53	-----	278	162	-----	634	-----	219	-----	102	106	-----
TOTAL	1,554	2,383	4,237	8,182	12,658	13,587	6,990	6,936	5,103	4,003	3,133	3,307
MEAN	50.1	79.4	137	264	452	438	233	224	170	129	101	110
MAX	107	274	387	1,760	1,350	1,670	469	451	543	530	195	203
MIN	36	51	73	125	149	166	160	139	97	84	66	63
CFSM	.42	.66	1.14	2.20	3.77	3.65	1.94	1.87	1.42	1.08	.84	.92
IN.	.48	.74	1.31	2.54	3.92	4.21	2.17	2.15	1.58	1.24	.97	1.03

CAL YR 1974 TOTAL 84,007 MEAN 230 MAX 2,290 MIN 36 CFSM 1.92 IN 26.04
WTR YR 1975 TOTAL 72,073 MEAN 197 MAX 1,760 MIN 36 CFSM 1.64 IN 22.34

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	0945	6.91	3,420	3-14	0015	7.11	3,510
2-4	2145	5.77	2,480	3-30	0700	5.67	2,290
2-24	0345	5.48	2,210	7-2	1845	7.26	3,550

MOBILE RIVER BASIN

02382500 Coosawattee River at Carters, Ga.

LOCATION.--Lat 34°36'15", long 84°41'29", Murray County, on downstream side of left bank pier of bridge on U.S. Highway 411 at Carters, 200 ft (61 m) upstream from Louisville & Nashville Railroad bridge, 0.4 mi (.6 km) downstream from Carters re-regulation dam, and 0.6 mi (1.0 km) downstream from Talking Rock Creek.

DRAINAGE AREA.--531 mi² (1,380 km²).

PERIOD OF RECORD.--Discharge: August 1896 to December 1908, October 1918 to September 1923, October 1961 to August 1972, October 1974 to current year.

Chemical analyses: March 1968 to June 1974.

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft (198.32 m) above mean sea level (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 2.00 ft (0.61 m) higher.

AVERAGE DISCHARGE.--28 years (1896-1908, 1918-23, 1961-71, 1974-75), 1,235 ft³/s (35.0 m³/s), 31.58 in/yr (802.1 mm/yr), adjusted for storage since 1975.

EXTREMES.--Current year: Maximum discharge, 4,240 ft³/s (120 m³/s) Jan. 25, gage height, 11.65 ft (3.551 m); minimum daily, 122 ft³/s (3.46 m³/s) Nov. 15.

Period of record: Maximum discharge observed, 28,500 ft³/s (807 m³/s) Nov. 19, 1906, gage height, 30.6 ft (9.33 m), present datum; minimum daily, 122 ft³/s (3.46 m³/s), regulated; minimum discharge observed prior to regulation, 184 ft³/s (5.21 m³/s) several days during September to November 1904.

Flood of March 29 or 30, 1951, reached a stage of about 36 ft (11.0 m), from floodmarks; discharge, 57,000 ft³/s (1,610 m³/s), from rating curve extended above 24,000 ft³/s (680 m³/s).

REMARKS.--Flow regulated by Carters Lake and Carters re-regulation dam since November 1974.

COOPERATION.--Gage-height record, 40 discharge measurements, and computation of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	351	528	1,480	256	344	766	1,140	1,610	928	1,150	510
2	364	351	449	1,220	266	331	568	1,030	1,500	1,180	1,210	713
3	354	351	351	1,020	293	300	536	991	1,460	1,290	1,150	970
4	354	351	324	1,410	937	280	628	1,030	984	991	1,100	1,110
5	361	477	344	1,250	2,320	273	433	949	855	921	1,090	1,020
6	358	390	327	1,030	967	252	1,090	921	855	900	1,680	935
7	354	273	528	830	505	249	1,250	722	882	640	1,920	873
8	351	286	568	810	385	259	1,350	361	837	810	1,800	846
9	351	293	385	618	297	229	1,340	828	1,050	744	973	846
10	351	307	223	838	290	246	1,360	1,510	1,270	733	341	799
11	344	390	252	755	266	546	1,150	1,480	1,060	810	361	646
12	348	323	236	712	392	574	1,310	1,460	1,410	810	637	682
13	348	149	202	1,120	344	967	1,300	1,240	1,340	711	942	664
14	348	148	259	532	290	2,470	1,040	935	1,230	351	998	682
15	348	122	263	341	256	1,010	1,310	970	1,210	580	1,010	401
16	556	153	407	457	677	1,300	1,300	1,030	1,050	273	970	465
17	592	161	536	385	983	505	1,270	949	1,060	317	907	523
18	437	218	355	365	724	457	1,270	1,290	831	337	855	864
19	393	236	430	289	1,190	536	1,270	1,270	600	226	837	1,050
20	382	249	465	283	610	486	1,260	1,490	637	195	942	1,180
21	375	256	465	437	453	428	1,260	1,190	1,040	242	493	1,200
22	368	297	465	317	371	413	1,090	564	1,020	371	368	1,140
23	365	344	465	307	379	393	1,240	276	1,000	457	371	1,090
24	361	344	550	273	1,860	1,010	1,240	280	857	348	358	1,120
25	354	341	1,210	2,270	942	921	1,260	280	970	354	348	898
26	354	320	1,020	940	514	1,220	1,260	320	655	354	354	914
27	354	290	1,140	433	425	1,120	1,240	833	928	354	389	855
28	351	358	900	324	379	1,050	1,220	540	970	358	497	711
29	351	300	1,070	273	-----	747	1,220	543	1,030	417	550	682
30	351	310	1,410	223	-----	2,400	1,220	1,140	956	532	528	733
31	351	-----	1,440	216	-----	1,150	-----	1,510	-----	788	505	-----
TOTAL	11,620	8,759	17,607	21,758	17,571	22,466	34,051	29,072	31,157	18,322	25,634	25,122
MEAN	375	292	568	702	628	725	1,135	938	1,039	591	827	837
MAX	592	477	1,440	2,270	2,320	2,470	1,360	1,510	1,610	1,290	1,920	1,200
MIN	344	122	202	216	256	229	433	276	600	195	341	401
(†)	+15	+151	+244	+748	+2,081	+1,887	+756	+424	+40	+166	-104	-15
MEAN†	390	443	812	1,450	2,709	2,612	1,891	1,362	1,079	757	723	822
CFSM†	.73	.83	1.53	2.73	5.10	4.92	3.56	2.56	2.03	1.43	1.36	1.55
IN†	.84	.93	1.76	3.15	5.31	5.67	3.97	2.95	2.26	1.65	1.57	1.73

WTR YR 1975 TOTAL 263,139 MEAN 721 MAX 2,470 MIN 122 MEAN† 1,245 CFSM† 2.34 IN† 31.76

† Change in contents, equivalent in cubic feet per second, in Carters Lake and re-regulation pool; furnished by Corps of Engineers.

† Adjusted for change in contents in Carters Lake and re-regulation pool.

MOBILE RIVER BASIN

279

02382720 Coosawattee River near Nickelsville, Ga.

LOCATION.--Lat 34°36'03", long 84°46'42", Gordon County, near left bank on downstream side of bridge on county road, 2.1 mi (3.4 km) upstream from Noblet Creek, and 6.8 mi (10.9 km) east of Nickelsville.

PERIOD OF RECORD.--Water temperature: October 1974 to current year.

EXTREMES.--Current year: Maximum water temperature, 24.5°C Aug. 26; minimum, 3.5°C Dec. 5, 11, 18.

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.0	16.0	17.0	15.5	7.5	6.0	9.0	8.0	13.0	12.0	9.0	8.0
2	16.5	14.5	17.5	15.5	6.0	5.5	8.0	7.0	12.5	12.0	8.0	6.0
3	14.5	12.5	17.5	15.5	6.0	4.5	7.5	6.0	12.0	10.0	6.0	4.5
4	13.5	12.0	16.5	15.5	5.5	4.0	8.0	7.0	10.0	8.0	6.0	4.5
5	14.0	12.0	17.0	15.5	5.5	3.5	7.5	6.5	9.0	8.0	7.5	5.0
6	14.0	12.5	16.0	13.5	5.5	4.0	7.5	6.5	9.0	8.5	9.0	6.5
7	15.0	13.0	13.5	12.0	6.0	4.5	7.5	6.0	8.5	6.5	10.0	8.0
8	15.5	14.0	12.5	11.5	6.5	6.5	7.5	7.0	6.5	5.0	10.0	8.5
9	15.0	13.5	12.5	10.0	6.0	5.0	8.5	7.5	6.0	5.0	9.0	7.0
10	15.5	13.5	11.5	9.5	5.0	4.0	10.0	8.5	5.5	4.5	7.5	7.0
11	15.5	14.0	11.0	10.0	5.0	3.5	11.0	10.0	8.5	5.5	8.0	7.0
12	16.0	14.0	10.5	9.5	5.5	4.5	10.0	7.0	11.0	8.5	11.0	8.5
13	17.0	15.0	10.0	8.5	6.5	5.0	7.0	6.0	10.5	9.0	13.0	11.5
14	17.5	15.5	10.0	8.5	6.0	5.0	6.0	4.5	9.0	7.5	12.5	10.0
15	18.0	16.0	8.5	7.5	6.0	5.0	5.0	4.0	10.0	8.5	9.5	8.0
16	17.0	16.0	8.0	6.5	6.5	5.5	5.5	4.5	11.0	9.5	9.5	9.0
17	16.0	14.5	8.5	7.5	6.0	5.0	6.0	5.0	13.0	11.0	12.0	9.5
18	15.0	14.0	9.5	8.0	5.0	3.5	6.5	6.0	13.0	11.0	12.5	11.0
19	14.5	13.0	10.5	9.5	5.0	4.5	8.0	6.5	11.5	11.0	11.0	10.0
20	13.0	11.5	12.0	10.5	6.0	5.0	8.0	7.0	10.5	9.0	12.0	9.0
21	12.0	10.5	12.0	11.0	6.0	5.5	7.0	6.5	9.0	8.0	13.5	11.5
22	11.5	9.5	10.5	9.0	6.0	4.5	7.0	6.5	9.5	9.0	14.5	13.0
23	11.0	9.5	9.5	8.0	6.0	5.0	7.5	6.5	13.0	9.5	14.5	13.5
24	11.0	9.0	10.0	9.0	7.0	6.0	8.0	7.5	13.5	10.0	15.0	14.5
25	11.5	9.5	9.5	8.5	8.5	7.0	10.5	8.0	10.0	8.5	14.5	12.0
26	13.5	11.0	8.5	7.5	8.5	6.5	10.0	8.5	9.5	8.5	12.5	10.5
27	14.5	12.5	8.0	7.0	6.5	6.0	8.5	7.5	9.5	9.0	12.0	10.5
28	14.5	13.5	7.5	6.0	7.5	6.5	10.0	8.5	9.5	9.0	13.5	12.0
29	15.0	13.5	7.5	6.5	8.0	7.0	11.5	9.5	---	---	14.5	13.5
30	16.5	14.5	7.0	6.0	8.5	8.0	13.0	11.0	---	---	14.5	11.5
31	17.5	15.5	---	---	9.5	8.5	13.5	12.0	---	---	11.5	9.5
MONTH	18.0	9.0	17.5	6.0	9.5	3.5	13.5	4.0	13.5	4.5	15.0	4.5

MOBILE RIVER BASIN

02382720 Coosawattee River near Nickelsville, Ga.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	11.0	---	---	13.5	12.0	14.5	13.5	21.0	20.0	23.5	22.0
2	14.0	13.0	---	---	13.0	11.5	14.5	13.5	21.5	20.0	22.5	20.5
3	14.0	11.5	---	---	12.5	11.0	19.0	14.0	21.5	20.5	22.5	21.0
4	11.5	10.0	---	---	18.5	11.0	15.0	14.5	22.5	21.0	21.5	20.0
5	11.5	8.5	---	---	14.0	13.0	15.0	14.0	22.0	21.0	22.0	20.5
6	11.0	8.5	---	---	14.0	12.5	14.5	13.5	22.5	21.0	22.0	21.5
7	10.5	9.0	---	---	14.0	12.5	16.0	13.0	23.0	20.0	22.0	22.0
8	10.0	9.0	---	---	15.0	13.0	16.5	14.0	22.0	19.5	22.0	21.5
9	10.0	9.0	---	---	14.0	12.5	15.0	14.0	21.5	20.0	21.5	20.0
10	10.5	9.5	---	---	13.5	11.5	15.0	14.0	21.5	20.0	21.5	20.0
11	14.0	9.5	---	---	18.0	12.0	15.0	14.0	22.0	19.5	22.0	21.5
12	10.5	9.5	---	---	18.0	13.0	14.5	14.0	21.0	19.0	21.5	20.0
13	10.0	8.5	---	---	16.0	13.5	14.5	14.0	21.0	19.0	21.0	19.5
14	11.5	9.0	13.0	12.0	14.0	13.0	15.5	13.5	20.5	19.5	20.5	20.0
15	9.5	8.5	14.0	11.5	13.5	13.0	21.5	15.5	21.0	19.5	20.5	19.5
16	10.5	8.5	14.0	13.0	17.5	12.5	21.5	20.0	21.5	20.0	19.5	19.0
17	10.5	9.0	13.5	12.0	15.5	12.5	21.5	21.0	22.5	21.0	19.5	19.5
18	11.0	9.5	15.0	13.5	19.0	13.0	21.0	17.0	24.0	22.5	20.0	19.5
19	10.5	10.0	14.5	11.5	18.5	13.5	22.0	20.0	22.5	21.0	20.5	19.5
20	10.5	9.0	12.5	11.0	19.5	17.0	22.0	21.0	22.5	20.5	21.0	20.0
21	10.5	9.0	12.0	11.0	17.0	14.5	23.0	21.0	22.5	20.0	21.0	20.0
22	14.0	8.5	22.5	12.0	14.5	13.5	23.0	20.5	22.5	20.5	21.0	20.5
23	11.0	9.5	22.0	13.0	14.0	13.0	19.5	18.0	22.0	20.0	20.5	19.5
24	11.0	10.0	21.5	20.0	16.5	12.5	19.5	18.5	22.5	20.5	20.0	19.0
25	12.0	10.5	21.0	20.0	14.5	12.5	20.0	19.0	24.0	21.5	19.0	18.5
26	12.5	11.0	20.5	19.0	17.5	12.5	20.0	18.5	24.5	23.0	19.0	18.5
27	12.0	10.5	20.5	12.0	14.5	13.0	20.5	19.0	23.0	20.5	19.0	18.0
28	---	---	14.5	12.5	15.0	13.5	21.0	19.5	21.0	20.0	18.5	17.5
29	---	---	14.0	11.5	15.5	14.0	20.5	19.0	21.0	20.0	19.0	18.0
30	---	---	14.5	12.0	14.5	14.0	21.0	19.0	21.5	20.5	19.5	18.5
31	---	---	12.0	11.5	---	---	21.5	20.0	22.5	21.5	---	---
MONTH	14.0	8.5	---	---	19.5	11.0	23.0	13.0	24.5	19.0	23.5	17.5

02383500 Coosawattee River at Pine Chapel, Ga.

LOCATION.--Lat 34°34'37", long 84°51'35", Gordon County, on right bank at downstream edge of highway bridge at Pine Chapel, 4 mi (6.4 km) downstream from Sallacoa Creek, 5 mi (8.0 km) east of Resaca, and 6 mi (9.7 km) upstream from confluence with Conasauga River.

DRAINAGE AREA.--856 mi² (2,220 km²).

PERIOD OF RECORD.--Discharge: October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304. Water temperature: October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 616.16 ft (187.81 m) above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1940, nonrecording gage at same site and datum. Feb. 23, 1940 to Apr. 8, 1975, auxiliary water-stage recorder at highway bridge 2 mi (3.2 km) upstream. Apr. 9 to Sept. 30, 1975, auxiliary gage 2 mi (3.2 km) upstream used as base gage due to construction.

AVERAGE DISCHARGE.--37 years, 1,469 ft³/s (41.6 m³/s), 23.30 in/yr (591.8 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 7,910 ft³/s (224 m³/s) Mar. 14, maximum gage height, 19.50 ft (5.944 m) Feb. 5 (backwater from Conasauga River); minimum daily discharge, 196 ft³/s (5.55 m³/s) Nov. 16. Maximum water temperature, 24.0°C Aug. 18, 19, Sept. 1; minimum, 4.0°C Jan. 15.

Period of record: Maximum discharge, 40,200 ft³/s (1,140 m³/s) Mar. 30, 1951, gage height, 30.8 ft (9.39 m); minimum daily, 196 ft³/s (5.55 m³/s) Nov. 16, 1974; minimum unregulated daily discharge, 220 ft³/s (6.23 m³/s) Oct. 26, 1941. Maximum water temperature, 24.0°C Aug. 18, 19, Sept. 1, 1975; minimum, 4.0°C Jan. 15, 1975.

Flood of Apr. 8, 1938, reached a stage of 30.0 ft (9.14 m), from gage reading; discharge, 34,000 ft³/s (963 m³/s).

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Flow regulated by Carters Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	425	416	1,030	1,990	571	1,010	1,860	1,170	2,350	943	1,010	515
2	406	419	799	1,550	608	965	1,400	1,190	1,790	879	1,160	507
3	366	416	534	1,050	901	827	1,660	1,030	1,560	1,740	1,060	754
4	369	413	442	1,830	2,200	744	1,400	1,230	1,280	1,120	991	928
5	373	481	407	1,560	6,970	699	1,490	1,050	885	924	1,000	896
6	377	650	445	1,300	4,960	656	1,460	980	891	874	1,320	789
7	373	321	513	994	1,940	626	1,480	1,020	968	852	1,960	799
8	368	339	736	937	1,370	665	1,610	1,030	904	798	1,850	1,220
9	368	345	759	939	1,080	586	1,580	810	934	924	1,440	836
10	368	356	382	856	900	577	1,690	1,600	1,190	795	350	768
11	365	392	319	2,460	793	925	1,450	1,550	1,240	842	300	867
12	364	556	312	1,720	1,290	2,370	1,480	1,500	2,430	817	548	777
13	366	250	276	2,790	1,930	2,440	1,430	1,430	2,210	770	806	811
14	368	239	276	1,690	1,110	6,940	1,260	923	1,430	751	862	642
15	368	202	300	1,040	884	5,230	1,470	1,040	1,310	500	878	360
16	484	196	380	744	1,600	2,020	1,440	1,540	1,150	300	859	400
17	777	234	661	800	3,500	1,620	1,400	1,440	1,140	350	810	526
18	538	255	531	655	3,220	1,490	1,370	2,650	928	400	753	729
19	458	315	567	610	4,290	1,760	1,360	1,570	811	370	745	924
20	427	522	523	597	2,630	1,590	1,350	1,670	826	300	808	988
21	418	751	503	663	1,530	1,290	1,310	1,540	1,170	260	709	1,100
22	413	431	491	682	1,250	1,150	1,170	779	1,070	350	400	1,030
23	414	435	478	535	1,110	1,150	1,260	809	1,000	600	365	1,290
24	418	433	589	508	5,150	2,210	1,270	550	926	500	355	2,160
25	420	420	1,820	4,400	4,160	3,250	1,280	510	921	300	350	1,430
26	422	428	2,050	5,630	1,820	1,640	1,310	560	862	580	355	1,370
27	419	370	1,460	1,980	1,390	1,270	1,250	889	888	500	365	1,370
28	420	369	1,140	1,080	1,150	1,040	1,230	840	1,090	400	410	867
29	416	424	1,580	963	-----	1,710	1,220	798	1,030	480	545	711
30	414	394	2,780	736	-----	6,700	1,210	1,480	998	550	524	707
31	422	-----	2,740	605	-----	5,570	-----	1,720	-----	648	510	-----
TOTAL	12,904	11,772	25,823	43,894	60,307	60,720	42,150	36,898	36,182	20,417	24,398	27,071
MEAN	416	392	833	1,416	2,154	1,959	1,405	1,190	1,206	659	787	902
MAX	777	751	2,780	5,630	6,970	6,940	1,860	2,650	2,430	1,740	1,960	2,160
MIN	364	196	276	508	571	577	1,170	510	811	260	300	360

CAL YR 1974 TOTAL 634,810 MEAN 1,739 MAX 10,500 MIN 196 MEAN† 1,774 CFSM† 2.07 IN† 28.10
WTR YR 1975 TOTAL 402,536 MEAN 1,103 MAX 6,970 MIN 196 MEAN† 1,627 CFSM† 1.90 IN† 25.79

NOTE.--No gage-height record May 24-26, July 15-30, Aug. 14-15, 22-28, Sept. 15-16.

† Adjusted for change in contents in Carters Lake and re-regulation pool.

MOBILE RIVER BASIN

02383500 Coosawattee River at Pine Chapel, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	17.0	16.5	14.5	6.5	6.0	10.5	9.5	13.0	13.0	9.5	9.0
2	17.5	15.5	16.5	15.5	6.0	5.5	9.0	8.0	13.0	13.0	9.0	7.0
3	15.5	13.5	16.5	16.0	6.0	5.0	9.0	7.0	12.5	10.5	7.0	5.5
4	13.5	12.0	16.5	16.5	5.5	4.5	8.0	7.0	10.5	8.0	7.0	5.0
5	13.5	11.5	16.5	16.0	5.0	4.5	7.5	6.5	8.0	7.5	7.5	5.5
6	14.0	11.5	16.0	14.5	5.5	4.5	7.0	7.0	8.5	8.0	9.5	7.0
7	15.0	12.5	14.5	13.0	6.5	5.0	7.0	6.5	8.5	7.5	10.5	9.0
8	15.0	13.5	13.5	12.5	7.0	6.5	7.5	7.0	7.0	6.0	10.5	9.5
9	15.0	13.5	12.5	11.0	6.5	5.0	8.5	7.5	6.5	6.0	9.0	8.0
10	15.0	13.0	12.0	10.5	5.0	4.5	10.5	8.5	6.5	5.0	9.0	8.0
11	15.0	13.0	11.5	11.0	5.0	4.0	11.5	10.5	9.0	6.5	8.5	8.0
12	15.5	14.0	11.0	10.0	6.0	5.0	10.5	8.0	11.5	9.0	11.0	8.5
13	16.0	15.0	---	---	6.0	5.0	7.5	6.0	11.0	9.5	12.5	11.0
14	17.0	15.5	---	---	6.0	5.0	6.0	4.5	9.5	8.5	12.5	10.5
15	17.5	16.5	---	---	6.5	5.5	5.0	4.0	10.0	8.5	10.0	8.5
16	17.5	16.5	---	---	7.0	6.0	5.5	4.5	11.5	10.0	10.0	9.5
17	16.5	15.5	---	---	6.0	4.5	6.0	5.0	13.5	11.5	11.5	10.0
18	15.5	14.0	9.5	9.5	4.5	4.0	6.5	5.5	13.0	11.5	12.0	11.0
19	15.5	13.5	11.0	9.5	5.0	4.5	8.5	6.5	11.5	11.0	11.0	10.5
20	14.0	12.0	13.0	11.0	6.0	5.0	8.5	7.5	11.0	9.5	11.5	10.0
21	12.0	10.5	12.5	10.5	6.5	5.5	7.5	6.5	9.5	9.0	13.5	11.5
22	11.0	10.0	10.5	9.0	6.0	5.0	7.0	6.0	10.0	9.5	15.0	13.0
23	10.5	9.0	9.0	8.5	6.5	5.0	7.5	6.5	13.0	10.0	15.0	14.0
24	10.5	9.5	10.0	8.5	8.0	6.0	8.5	7.5	13.0	11.0	15.5	15.0
25	11.5	9.5	10.0	8.5	9.5	8.0	10.5	8.5	10.5	9.0	15.0	13.0
26	13.0	10.5	8.5	7.0	9.5	7.5	10.5	9.5	10.0	9.5	12.5	11.5
27	14.0	12.0	7.5	6.5	7.5	7.0	9.5	8.5	10.5	9.5	12.5	11.0
28	14.5	12.5	7.5	6.0	8.5	7.5	10.5	9.0	10.0	9.5	13.5	12.0
29	15.0	13.5	7.5	6.0	9.5	8.5	12.0	10.5	---	---	15.0	13.5
30	16.0	14.5	7.0	6.5	10.0	9.5	13.0	12.0	---	---	15.0	12.5
31	16.5	15.5	---	---	10.5	10.0	13.5	13.0	---	---	12.5	10.5
MONTH	14.0	9.0	16.5	6.0	10.5	4.0	13.5	4.0	13.5	5.0	15.5	5.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	11.0	13.5	12.5	15.5	14.5	16.0	15.5	22.0	21.0	24.0	22.5
2	14.0	13.0	15.0	13.5	15.5	14.0	15.5	15.5	22.0	20.5	23.5	21.0
3	14.0	12.5	15.0	14.0	14.0	13.5	17.5	15.0	22.0	20.5	23.5	21.0
4	12.5	11.0	14.5	14.0	14.5	13.0	17.0	16.5	23.0	21.5	23.0	20.5
5	10.5	10.0	14.5	13.5	15.5	15.0	16.5	16.0	22.5	21.5	23.0	21.0
6	11.0	10.0	13.5	12.5	15.0	14.5	16.0	15.5	23.0	21.5	23.0	22.0
7	11.0	10.5	14.0	13.0	15.5	15.0	15.5	15.0	23.0	21.0	22.5	22.0
8	11.0	10.0	16.5	14.0	15.5	15.0	17.0	16.0	22.5	19.5	22.5	21.5
9	11.0	10.0	17.5	16.5	15.5	14.5	16.5	16.0	21.5	19.0	22.0	20.5
10	11.5	11.0	17.5	13.5	14.5	13.5	16.5	16.0	21.0	20.0	22.0	20.5
11	12.5	11.5	13.5	12.5	15.0	14.0	16.0	15.5	22.5	20.0	22.5	21.5
12	13.0	11.0	13.0	12.0	18.0	15.0	16.0	15.5	21.5	20.0	22.0	21.0
13	11.5	10.0	13.0	12.0	18.0	16.0	16.0	15.5	21.5	19.5	21.5	20.0
14	11.0	10.5	13.5	13.0	16.0	15.5	16.5	15.5	21.5	19.5	21.0	20.0
15	11.0	10.0	14.5	13.5	15.5	14.5	18.5	16.5	21.5	19.5	20.0	16.5
16	11.0	9.5	15.5	15.0	15.5	14.5	19.5	18.5	22.0	20.0	19.5	16.5
17	11.5	10.5	15.5	14.5	16.0	14.5	20.0	19.0	23.0	21.0	19.5	19.5
18	12.0	11.0	16.5	15.5	15.5	15.0	20.0	19.5	24.0	22.5	20.0	19.5
19	12.0	11.5	16.0	15.5	16.5	15.5	20.5	19.5	24.0	20.5	20.5	20.0
20	11.5	10.5	15.0	13.5	18.5	16.5	20.5	19.5	23.0	20.0	21.5	20.0
21	11.5	10.5	13.5	13.0	18.5	17.5	21.0	20.0	23.0	20.0	21.0	20.0
22	12.5	10.5	14.0	13.5	17.5	16.0	21.5	20.5	---	---	21.0	20.5
23	12.5	11.0	19.0	15.5	16.0	15.0	21.5	20.0	---	---	20.5	19.5
24	12.5	11.5	19.5	17.5	15.5	14.5	21.0	20.0	---	---	19.5	19.0
25	13.0	12.0	20.0	18.0	16.0	15.0	21.0	20.0	---	---	19.0	18.0
26	13.5	12.5	19.5	18.5	15.5	14.5	21.0	20.5	---	---	18.5	18.0
27	13.5	12.5	14.5	16.5	16.0	15.0	21.5	20.5	---	---	19.0	17.5
28	13.5	12.5	15.0	15.0	16.0	15.5	21.5	20.5	---	---	18.5	17.5
29	13.5	13.0	15.0	16.0	16.5	15.5	21.5	21.0	21.5	21.0	19.0	17.5
30	13.0	12.5	15.5	16.0	16.5	16.0	23.0	20.0	22.5	21.5	19.5	18.5
31	---	---	15.0	14.0	---	---	22.0	21.0	23.0	22.0	---	---
MONTH	14.0	9.5	20.0	12.0	18.5	13.0	23.0	15.0	---	---	24.0	16.5

MOBILE RIVER BASIN

283

02383540 Coosawattee River near Calhoun, Ga.

LOCATION.--Lat 34°32'28", long 84°54'03", Gordon County, at bridge on State Highway 225, 0.2 mi (0.3 km) upstream from confluence with Conasauga River, and 4.0 mi (6.4 km) northeast of Calhoun.

DRAINAGE AREA.--864 mi² (2,240 km²).

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
AUG. 19...	1245	860	7.3	24.0	7.2					
SEP. 30...	1730	435	7.5	20.0	8.2					

DATE	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 19...	24	.27	.03	.04	.16	46
SEP. 30...	25	.10	<.02	--	<.02	24

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 19...	64	50	100	.8	2300	5.0
SEP. 30...	62	15	8	1.0	91	2.0

MOBILE RIVER BASIN

02383540 Coosawattee River near Calhoun, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
11...	1545	377	7.4	9.0	10.0
DEC.					
16...	1600	360	7.0	9.0	10.2
FFH.					
03...	1345	761	7.2	12.0	9.2
MAR.					
18...	1000	1500	7.3	11.0	9.5
APR.					
28...	1330	1230	7.3	14.0	10.5
JUNE					
10...	1110	1120	7.1	14.5	10.0
JULY					
21...	1045	230	7.1	23.5	7.6
SEP.					
02...	1535	507	7.4	25.0	7.4

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CALCMG) (MG/L)
NOV.						
11...	25	.05	<.02	--	.02	25
DEC.						
16...	36	.19	<.02	--	.02	42
FFH.						
03...	45	.35	<.02	--	.05	70
MAR.						
18...	27	.36	<.04	--	.03	34
APR.						
28...	17	.17	<.02	--	.05	34
JUNE						
10...	21	.19	<.02	--	.04	32
JULY						
21...	45	.32	.02	.03	.02	60
SEP.						
02...	27	.12	.24	.31	.04	32

DATE	SUP- CLIFIC CON- DUCT- ANCE (MICRO- MH/CM)	COLOR (PLAT- INUM- COHALLI UNITS)	TUR- BID- ITY (JTU)	DI- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BATH)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
11...	62	10	4	1.0	430	3.0
DEC.						
16...	48	10	7	.8	430	1.0
FFH.						
03...	143	10	23	.4	--	3.0
MAR.						
18...	89	25	23	1.0	430	3.0
APR.						
28...	46	10	30	.5	230	2.0
JUNE						
10...	62	20	14	.5	230	2.0
JULY						
21...	130	<5	12	--	--	3.0
SEP.						
02...	40	10	4	1.4	210	7.0

02384748 Conasauga River near Dalton, Ga.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield County, at Dalton water works intake, 0.4 mi (0.6 km) upstream from U.S. Highway 76, and 5.5 mi (8.8 km) east of Dalton.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 17...	1335	7.4	25.0	7.3
AUG. 20...	0815	7.6	23.0	6.6

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESEF (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY 17...	330	<50	51	.13	<.02	--	.02
AUG. 20...	950	60	50	.18	.02	.03	.05

DATE	HARD- NESS (CA, MG) (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 17...	51	106	10	13	.4	36	2.0
AUG. 20...	50	112	20	29	.6	640	3.0

MOBILE RIVER BASIN

02384748 Conasauga River near Dalton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.				
01...	1320	7.9	17.0	8.0
NOV.				
12...	1015	7.3	9.0	9.1
DEC.				
17...	1100	7.3	5.0	11.0
FEB.				
04...	0915	7.1	9.0	9.6
MAR.				
18...	1440	7.7	11.0	9.8
APR.				
29...	0830	7.6	19.5	7.5
JUNE				
10...	1615	7.6	22.0	7.6
JULY				
21...	1445	7.6	25.0	6.6
SEP.				
03...	0800	7.7	22.0	6.9
11...	0925	7.2	21.0	7.2

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
01...	350	50	60	.07	<.02	--	<.02
NOV.							
12...	390	<50	60	.03	<.02	--	.02
DEC.							
17...	450	<50	44	.10	<.02	--	.03
FEB.							
04...	1200	<50	23	.11	<.02	--	.06
MAR.							
18...	710	<50	27	.24	<.04	--	.03
APR.							
29...	580	<50	38	.17	<.02	--	.02
JUNE							
10...	580	50	47	.20	<.02	--	.02
JULY							
21...	2000	100	54	.20	.06	.08	.05
SEP.							
11...	2450	90	32	.16	.16	.21	.19

DATE	HARD- NESS (CA+MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
01...	58	126	10	12	1.6	30	<1.0
NOV.							
12...	60	126	10	8	.6	430	2.0
DEC.							
17...	46	99	10	9	.5	230	2.0
FEB.							
04...	27	60	50	29	.9	4300	6.0
MAR.							
18...	37	82	15	15	.8	210	2.0
APR.							
29...	48	98	10	18	.7	30	2.0
JUNE							
10...	48	82	5	14	.3	150	2.0
JULY							
21...	60	120	15	52	--	--	3.0
SEP.							
11...	38	81	100	72	2.0	43000	18

MOBILE RIVER BASIN

287

02385800 Holly Creek near Chatsworth, Ga.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, on right bank 100 ft (30 m) upstream from bridge on county road, 3 mi (4.8 km) upstream from Rock Creek, and 3.3 mi (5.3 km) south of Chatsworth.

DRAINAGE AREA.--64.9 mi² (168 km²).

PERIOD OF RECORD.--Discharge: June 1960 to current year.
Chemical analyses: March 1968 to June 1974.

GAGE.--Water-stage recorder. Altitude of gage is 690 ft (210 m), from topographic map.

AVERAGE DISCHARGE.--15 years, 116 ft³/s (3.29 m³/s), 24.27 in/yr (616.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,350 ft³/s (94.9 m³/s) Mar. 30, gage height, 10.08 ft (3.072 m); minimum, 3.2 ft³/s (90.6 l/s) Nov. 10, 11, gage height, 1.82 ft (.555 m).

Period of record: Maximum discharge, 6,040 ft³/s (171 m³/s) Mar. 15, 1964, gage height, 11.37 ft (3.466 m); minimum, 2.0 ft³/s (57 l/s) Sept. 2, 1962.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	8.6	188	106	90	144	460	53	82	25	34	44
2	3.9	9.5	73	88	281	133	296	49	50	22	36	25
3	3.7	8.7	42	100	514	113	254	55	40	56	27	21
4	4.8	7.7	29	260	563	104	188	61	36	26	25	19
5	6.4	16	24	156	978	97	161	48	35	22	28	18
6	9.2	21	21	111	866	91	147	45	43	20	39	18
7	11	8.6	25	89	411	90	136	48	42	24	40	174
8	13	5.5	92	74	225	96	126	53	35	21	32	214
9	11	4.6	71	71	171	79	120	81	31	25	26	68
10	13	4.2	45	80	139	84	120	56	31	177	61	51
11	13	7.5	33	488	121	116	109	49	41	152	133	68
12	18	29	29	263	136	160	100	46	42	43	66	70
13	16	13	23	266	112	318	94	46	33	29	44	85
14	17	7.2	20	150	100	1,160	94	41	29	25	35	51
15	19	14	21	114	92	523	95	89	28	22	31	39
16	44	9.4	30	94	266	270	86	262	33	37	36	33
17	33	7.3	22	79	679	208	82	162	27	29	31	43
18	15	12	19	69	668	171	78	183	25	22	34	89
19	11	18	18	66	778	235	89	109	25	20	34	65
20	10	104	18	96	379	205	82	84	30	26	27	50
21	10	48	17	79	216	164	71	68	25	65	25	77
22	10	17	16	67	162	223	67	59	22	33	23	83
23	11	10	15	61	170	218	64	52	21	25	21	410
24	11	7.6	29	63	1,080	648	63	47	19	54	21	935
25	12	6.9	334	1,670	666	862	74	43	18	109	20	286
26	13	6.8	306	1,050	299	350	70	41	25	68	22	147
27	13	6.1	117	305	207	220	59	43	30	100	38	110
28	13	5.5	170	172	166	174	56	38	29	57	35	87
29	14	5.1	282	135	-----	399	54	48	32	40	24	72
30	7.7	46	233	117	-----	2,200	58	74	22	34	21	62
31	9.6	-----	139	101	-----	886	-----	49	-----	30	54	-----
TOTAL	400.9	479.0	2,491	6,640	10,535	10,741	3,553	2,182	981	1,438	1,123	3,514
MEAN	12.9	16.0	80.4	214	376	346	118	70.4	32.7	46.4	36.2	117
MAX	44	108	334	1,670	1,080	2,200	460	262	82	177	133	935
MIN	3.7	4.2	15	61	90	79	54	38	18	20	20	18
CFSM	.20	.25	1.24	3.30	5.79	5.33	1.82	1.08	.50	.71	.56	1.80
IN.	.23	.27	1.43	3.81	6.04	6.16	2.04	1.25	.56	.82	.64	2.01
CAL YR 1974	TOTAL 46,255.0	MEAN 127	MAX 2,010	MIN 3.7	CFSM 1.96	IN 26.51						
WTR YR 1975	TOTAL 44,077.9	MEAN 121	MAX 2,200	MIN 3.7	CFSM 1.86	IN 25.26						

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	2000	10.08	3,220	3-14	1100	8.84	1,510
2-24	1600	8.90	1,550	3-30	1300	10.08	3,350

MOBILE RIVER BASIN

02387000 Conasauga River at Tilton, Ga.

LOCATION.--Lat 34°40'00", long 84°55'42", Murray County, on left bank 250 ft (76 m) downstream from highway bridge, 0.2 mi (0.3 km) downstream from Swamp Creek, 0.5 mi (0.8 km) northeast of Tilton, and 12 mi (19.3 km) upstream from confluence with Coosawattee River.

DRAINAGE AREA.--682 mi² (1,770 km²).

PERIOD OF RECORD.--Discharge: June 1937 to current year.
Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft (189.67 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft (46 m) upstream at same datum. Water-stage recorder on Oostanula River at Resaca used as auxiliary gage since 1961.

AVERAGE DISCHARGE.--38 years, 1,189 ft³/s (33.7 m³/s), 23.68 in/yr (601.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 16,800 ft³/s (476 m³/s) Apr. 1, gage height, 24.60 ft (7.498 m); minimum, 50 ft³/s (1.42 m³/s) Nov. 1, caused by construction upstream.

Period of record: Maximum discharge, 29,000 ft³/s (821 m³/s) Mar. 30, 1951; maximum gage height, 30.2 ft (9.20 m) Mar. 30, 1951, backwater from Coosawattee River; minimum discharge, 50 ft³/s (1.42 m³/s) Nov. 1, 1974, caused by construction upstream; minimum unregulated discharge, 68 ft³/s (1.93 m³/s) Oct. 24, 25, 1954.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	70	1,380	1,540	1,180	1,800	16,300	545	566	347	322	272
2	121	72	1,780	1,140	1,360	1,640	12,900	519	676	352	305	243
3	109	87	453	994	3,490	1,550	6,880	487	529	320	252	234
4	100	90	581	1,630	5,130	1,280	2,670	523	423	318	230	166
5	92	123	437	2,200	6,600	1,140	2,010	525	379	292	213	155
6	103	137	369	1,570	7,330	1,050	1,690	467	365	264	215	146
7	115	173	357	1,120	7,460	997	1,500	447	413	268	320	256
8	120	185	633	913	5,290	1,060	1,350	516	427	269	398	2,120
9	106	122	991	817	2,320	1,020	1,250	729	372	271	330	2,220
10	110	116	905	869	1,820	913	1,260	764	332	388	369	675
11	98	122	615	2,940	1,560	1,050	1,210	617	399	1,070	1,630	808
12	98	220	489	4,100	1,530	1,810	1,060	519	551	458	1,160	834
13	99	187	416	4,240	1,920	2,880	952	461	553	324	607	685
14	111	200	364	3,650	1,500	6,470	893	441	428	280	420	688
15	119	188	338	1,980	1,240	7,960	900	467	355	242	342	532
16	185	160	373	1,420	1,730	9,800	877	1,810	339	220	532	414
17	213	171	376	1,150	4,510	8,220	803	2,170	375	227	452	444
18	308	162	342	974	6,020	3,520	758	2,580	320	239	330	2,430
19	211	177	311	875	7,320	2,890	736	1,740	287	221	324	2,470
20	131	893	298	1,090	7,910	3,380	916	1,030	475	205	284	1,110
21	99	1,170	285	1,850	7,380	2,710	895	784	413	301	273	834
22	94	767	278	1,450	3,410	2,190	734	657	340	490	241	889
23	84	410	264	1,070	2,210	2,640	667	577	308	348	216	3,150
24	82	289	314	932	5,050	3,500	641	508	298	268	205	6,220
25	78	242	1,280	4,860	6,180	5,390	636	466	256	978	195	7,030
26	73	217	2,470	7,370	6,840	6,080	711	443	239	587	184	7,970
27	86	200	2,020	9,170	4,410	4,170	674	459	236	422	208	6,270
28	89	182	1,280	9,500	2,150	2,010	596	440	335	520	414	1,590
29	96	172	2,270	5,090	-----	2,490	553	422	352	396	209	1,100
30	87	270	3,180	1,700	-----	7,770	539	631	450	302	287	932
31	81	-----	2,470	1,380	-----	11,800	-----	614	-----	266	192	-----
TOTAL	3,649	7,574	28,418	79,584	114,850	111,180	63,561	23,358	11,791	11,453	11,659	52,887
MEAN	118	252	917	2,567	4,102	3,586	2,119	753	393	369	376	1,763
MAX	308	1,170	3,180	9,500	7,910	11,800	16,300	2,580	676	1,070	1,630	7,970
MIN	73	70	264	817	1,180	913	539	422	236	205	184	146
CFSM	.17	.37	1.34	3.76	6.01	5.26	3.11	1.10	.58	.54	.55	2.59
IN.	.20	.41	1.55	4.34	6.26	6.06	3.47	1.27	.64	.62	.64	2.88
CAL YR 1974	TOTAL 483,619	MEAN 1,325	MAX 9,380	MIN 70	CFSM 1.94	IN 26.38						
WTR YR 1975	TOTAL 519,964	MEAN 1,425	MAX 16,300	MIN 70	CFSM 2.09	IN 28.36						

02387000 Conasauga River at Tilton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
12...	0845	269	7.3	8.0	6.3
DEC.					
17...	0930	387	7.4	4.0	9.7
FEB.					
03...	1645	4060	7.1	11.5	8.9
MAR.					
18...	1310	3000	7.4	10.5	9.6
APR.					
28...	1745	523	7.4	21.5	8.1
JUNE					
10...	1430	309	7.4	22.5	6.7
JULY					
21...	1345	297	7.9	26.0	6.8
SEP.					
02...	1630	159	7.8	26.0	5.3

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
NOV.						
12...	85	.56	.25	.32	.92	89
DEC.						
17...	62	.60	.16	.21	.63	68
FEB.						
03...	34	.22	<.02	--	.27	40
MAR.						
18...	30	.32	<.04	--	.17	42
APR.						
28...	49	.24	<.02	--	.22	62
JUNE						
10...	62	1.7	.05	.06	1.5	70
JULY						
21...	75	.32	.02	.03	.51	40
SEP.						
02...	63	.58	.04	.05	.51	66

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
12...	218	20	7	2.1	930	4.0
DEC.						
17...	165	30	23	1.4	23000	4.0
FEB.						
03...	88	60	80	2.0	--	10
MAR.						
18...	99	35	25	.4	930	3.0
APR.						
28...	132	8	19	.7	230	3.0
JUNE						
10...	150	25	18	.8	91	5.0
JULY						
21...	143	15	23	--	--	20
SEP.						
02...	155	70	64	.9	750	4.0

MOBILE RIVER BASIN

02387050 Conasauga River near Resaca, Ga.

LOCATION.--Lat 34°35'36", long 84°56'02", Gordon County, at county highway bridge, 1.1 mi (1.8 km) northeast of Resaca, and 5.1 mi (8.2 km) upstream from confluence with Coosawattee River.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 19...	1500	388	7.3	26.0	4.5

DATE	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 19...	69	.55	.14	.18	.64	30

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 19...	180	40	100	1.4	150	6.0

02387050 Conasauga River near Resaca, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT. 01...	0900	212	7.5	18.0	5.4
NOV. 11...	1715	994	7.3	10.0	4.8
DEC. 16...	1715	1890	7.4	6.0	10.2
FEB. 03...	1545	6070	7.6	11.5	8.8
MAR. 18...	1125	7520	6.9	10.0	9.0
APR. 28...	1550	2120	7.2	21.0	8.4
JUNE 10...	1330	392	7.6	22.0	7.1
JULY 21...	1225	260	7.7	25.5	5.8
SEP. 02...	1500	275	7.5	26.0	5.4

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT. 01...	96	.25	.24	.31	1.7	96
NOV. 11...	92	.38	.10	.13	2.0	94
DEC. 16...	61	.34	.12	.15	.41	66
FEB. 03...	39	.22	<.02	--	.23	50
MAR. 18...	27	.30	<.04	--	.20	36
APR. 28...	49	.21	<.02	--	.20	62
JUNE 10...	61	.51	.03	.04	.35	64
JULY 21...	70	.26	.02	.03	.78	74
SEP. 02...	60	.41	.07	.09	.48	60

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC HROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 01...	255	20	7	1.9	91	7.0
NOV. 11...	260	20	5	2.2	430	7.0
DEC. 16...	150	20	41	1.3	23000	3.0
FEB. 03...	96	60	88	2.0	--	9.0
MAR. 18...	88	40	35	1.3	430	4.0
APR. 28...	131	7	13	.9	73	2.0
JUNE 10...	117	20	20	.8	36	3.0
JULY 21...	184	20	25	--	--	20
SEP. 02...	155	40	32	.9	930	7.0

MOBILE RIVER BASIN

02387500 Oostanaula River at Resaca, Ga.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, near left bank on downstream side of pier of bridge on U.S. Highway 41 at Resaca, 200 ft (61 m) downstream from Nashville, Chattanooga & St. Louis Railway bridge, 0.8 mi (1.3 km) upstream from Camp Creek, and 3.5 mi (5.6 km) downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.--1,610 mi² (4,170 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1892 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

Chemical analyses: November 1969 to June 1974.

Water temperature: July 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft (184.14 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 23, 1919, nonrecording gage at site 200 ft (61 m) upstream at same datum. Mar. 23, 1919 to Oct. 23, 1928, nonrecording gage at site 400 ft (122 m) downstream at same datum. Oct. 24, 1928 to Sept. 11, 1938, nonrecording gage at present site and datum. Since Oct. 29, 1948, auxiliary nonrecording gage at bridge on State Highway 143, 7.1 mi (11.4 km) downstream.

AVERAGE DISCHARGE.--83 years, 2,787 ft³/s (78.9 m³/s), 23.51 in/yr (597.2 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 18,800 ft³/s (532 m³/s) Apr. 2; maximum gage height, 23.12 ft (7.047 m) Apr. 2; minimum discharge, 367 ft³/s (10.4 m³/s) Nov. 17, gage height, 1.54 ft (.469 m). Maximum water temperature, 27.0°C July 22; minimum, 4.5°C Dec. 4, 6, 7, 19, 20.

Period of record: Maximum discharge, 54,800 ft³/s (1,550 m³/s) Mar. 31, 1951; maximum gage height, 34.6 ft (10.55 m) Mar. 31, 1951; minimum discharge observed, 180 ft³/s (5.10 m³/s) Sept. 7, 8, 1925, gage height, 0.5 ft (.15 m). Maximum recorded water temperature, 28.0°C several days in June and July 1969 and July 24, 25, 1972; minimum, 1.0°C Jan. 9-14, 1970.

Maximum stage known since at least 1834, 36.6 ft (11.16 m) Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft³/s (1,940 m³/s).

REMARKS.--Records good. Flow regulated by Carters Lake.

REVISIONS (WATER YEARS).--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-7, 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).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	595	531	1,800	4,020	1,840	3,000	17,500	1,840	2,920	1,330	1,150	782
2	562	521	2,570	2,970	1,790	2,690	18,200	1,830	2,680	1,230	1,470	858
3	534	521	1,770	2,170	3,670	2,490	15,800	1,650	2,280	1,860	1,320	950
4	517	524	1,160	3,140	7,010	2,150	9,090	1,830	1,950	1,550	1,210	997
5	511	544	936	3,810	13,300	1,900	4,040	1,720	1,370	1,260	1,210	1,080
6	509	776	874	3,200	15,300	1,760	3,440	1,590	1,320	1,150	1,260	979
7	515	558	865	2,300	12,900	1,660	3,160	1,530	1,400	1,140	2,150	990
8	520	524	1,240	1,950	9,830	1,700	3,210	1,720	1,400	980	2,220	2,300
9	514	511	1,620	1,830	4,640	1,680	3,060	1,580	1,330	1,190	1,980	3,580
10	509	482	1,460	1,640	2,930	1,520	3,140	2,320	1,500	1,110	984	1,770
11	505	491	1,080	4,750	2,490	1,760	3,030	2,340	1,690	1,730	1,490	1,510
12	497	674	910	5,910	2,660	3,790	2,720	2,160	2,630	1,440	1,920	1,670
13	491	536	798	7,060	3,930	5,280	2,630	2,060	3,120	1,140	1,520	1,500
14	493	447	698	6,170	2,940	12,500	2,500	1,580	2,020	1,030	1,320	1,380
15	496	424	714	3,540	2,250	14,800	2,430	1,500	1,730	583	1,230	1,110
16	551	383	766	2,300	3,000	13,400	2,560	2,880	1,630	503	1,220	932
17	901	413	1,010	2,050	7,450	12,600	2,440	4,150	1,500	579	1,380	992
18	851	428	1,000	1,690	9,850	9,000	2,330	5,750	1,370	646	1,140	2,650
19	752	474	910	1,540	12,200	5,000	2,260	4,110	1,140	601	1,090	3,600
20	642	906	919	1,550	12,200	5,240	2,330	2,940	1,160	483	1,080	2,440
21	585	1,880	856	2,330	10,900	4,540	2,430	2,550	1,530	528	1,070	1,860
22	566	1,340	842	2,330	7,590	3,510	2,180	1,610	1,490	821	709	1,920
23	560	939	820	1,710	3,600	3,710	2,000	1,400	1,320	964	629	3,930
24	555	767	910	1,480	9,580	5,460	2,040	1,040	1,300	775	607	8,510
25	554	683	2,450	8,010	11,900	9,140	1,980	979	1,150	1,170	578	8,350
26	549	656	4,510	13,800	10,200	8,400	2,120	1,000	1,170	1,180	565	8,610
27	547	604	3,780	12,700	8,080	7,090	2,090	1,270	1,030	934	597	8,840
28	551	554	2,610	11,500	3,950	3,590	1,960	1,410	1,310	919	832	4,270
29	551	607	3,300	9,840	-----	3,780	1,890	1,240	1,390	874	855	1,920
30	547	612	5,860	3,590	-----	12,400	1,860	1,980	1,410	847	815	1,690
31	537	-----	5,840	2,140	-----	15,900	-----	2,520	-----	927	771	-----
TOTAL	17,567	19,310	54,878	133,020	197,980	181,440	126,420	64,079	49,240	31,474	36,372	81,970
MEAN	567	644	1,770	4,291	7,071	5,853	4,214	2,067	1,641	1,015	1,173	2,732
MAX	901	1,880	5,860	13,800	15,300	15,900	18,200	5,750	3,120	1,860	2,220	8,840
MIN	491	383	698	1,480	1,790	1,520	1,860	979	1,030	483	565	782

CAL YR 1974 TOTAL 1,180,514 MEAN 3,234 MAX 18,700 MIN 383 MEAN† 3,269 CFSM† 2.03 IN† 27.56
WTR YR 1975 TOTAL 993,750 MEAN 2,723 MAX 18,200 MIN 383 MEAN† 3,247 CFSM† 2.02 IN† 27.42

† Adjusted for change in contents in Carters Lake and re-regulation pool.

02387500 Oostanaula River at Resaca, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20.0	19.0	19.0	16.5	6.5	6.5	10.5	9.5	13.0	13.0	9.5	9.5
2	19.0	17.0	17.5	16.5	6.5	6.0	10.0	8.5	13.0	13.0	9.5	8.0
3	17.0	15.5	17.5	16.5	6.0	5.0	8.5	8.0	13.0	12.5	8.0	7.0
4	16.0	14.5	17.5	16.5	5.0	4.5	8.0	7.5	12.5	9.5	7.0	6.5
5	15.0	14.0	17.0	17.0	5.0	5.0	7.5	7.5	9.5	8.5	7.0	6.5
6	15.0	14.0	17.0	15.5	5.0	4.5	7.5	7.5	8.5	8.5	8.0	7.0
7	15.5	14.5	15.5	14.5	5.0	4.5	7.5	6.5	8.5	8.5	9.5	8.0
8	16.0	15.5	14.5	13.5	6.5	5.0	7.5	6.5	8.5	7.5	9.5	9.5
9	16.0	15.5	13.0	12.0	6.5	6.5	8.0	7.5	7.5	7.5	9.5	9.0
10	16.0	15.5	12.5	11.5	6.5	5.0	10.0	8.0	7.5	5.5	8.5	8.0
11	16.5	15.5	12.0	12.0	5.0	5.0	10.5	10.0	7.5	5.5	8.0	8.0
12	17.0	16.0	11.5	11.0	5.5	5.0	10.5	10.0	9.5	7.5	9.5	8.0
13	18.0	16.5	11.0	9.5	5.5	5.5	10.0	7.5	9.5	9.5	11.5	9.5
14	18.5	17.0	9.5	9.5	5.5	5.0	7.5	5.5	9.5	9.0	11.5	10.0
15	19.0	18.0	9.5	8.5	5.5	5.5	5.5	5.0	9.0	9.0	10.0	9.0
16	19.0	18.0	8.5	8.0	6.5	5.5	5.0	5.0	10.0	9.0	9.0	9.0
17	18.0	17.0	8.5	8.0	6.5	5.5	5.0	5.0	12.0	10.0	9.0	9.0
18	17.0	16.0	9.0	8.5	5.5	5.5	6.0	5.5	12.5	12.0	10.0	9.0
19	16.5	16.0	10.0	9.0	5.0	4.5	7.5	6.0	12.0	12.0	10.0	10.0
20	16.0	15.0	11.5	10.0	5.5	4.5	8.0	7.5	11.5	10.0	10.0	10.0
21	15.0	14.5	11.5	11.5	6.5	5.0	8.0	8.0	10.0	9.5	11.5	10.0
22	14.5	13.5	11.5	10.0	6.5	5.5	8.0	7.5	9.5	9.0	13.0	11.5
23	13.5	12.0	10.0	9.0	5.5	5.5	7.5	7.5	11.5	9.0	13.5	13.0
24	13.0	12.0	9.0	8.5	7.0	5.5	8.0	7.5	12.0	11.5	13.5	13.5
25	13.5	12.0	9.0	9.0	9.0	5.5	10.0	8.0	12.0	10.0	13.5	13.5
26	14.0	13.5	9.0	8.0	9.0	7.0	10.0	10.0	10.0	9.5	13.5	11.5
27	15.0	14.0	8.0	7.0	8.5	8.5	10.0	10.0	10.0	9.5	11.5	11.5
28	15.5	15.0	7.5	7.0	7.0	8.0	10.0	10.0	10.0	9.5	12.0	11.0
29	16.0	15.5	7.0	6.5	9.0	8.0	11.0	10.0	---	---	13.0	12.0
30	16.5	15.5	6.5	6.5	8.5	9.0	12.5	11.0	---	---	13.5	12.0
31	17.0	16.5	---	---	10.5	9.5	13.0	12.5	---	---	12.0	11.0
MONTH	20.0	12.0	14.0	6.5	10.5	4.5	13.0	5.0	13.0	5.5	13.5	6.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	11.5	16.0	15.5	19.5	18.5	21.0	20.0	24.0	23.5	25.0	24.5
2	12.0	11.5	17.5	16.0	18.5	18.5	20.0	19.5	24.0	23.5	25.5	24.5
3	12.0	12.0	17.5	16.5	18.5	18.0	22.0	17.0	23.5	23.5	25.0	24.0
4	12.0	11.0	16.5	16.0	18.0	18.0	21.5	20.5	24.0	23.5	24.0	24.0
5	11.5	10.0	16.5	16.0	18.5	18.0	21.0	20.5	24.0	24.0	24.0	23.5
6	11.0	10.0	16.0	15.5	18.5	18.5	21.0	20.0	24.0	23.5	23.5	23.5
7	11.0	10.0	16.0	15.5	19.0	18.5	20.0	19.0	24.0	23.5	23.5	23.5
8	11.0	10.0	17.5	15.5	19.0	19.0	21.5	19.0	24.0	22.0	23.5	23.5
9	11.0	10.0	19.0	17.5	19.0	19.0	21.0	19.5	24.0	22.0	23.5	23.0
10	11.5	11.0	19.0	17.0	19.0	18.5	20.5	20.5	23.5	23.5	23.5	23.0
11	12.5	11.5	17.0	16.5	18.5	18.0	22.0	20.0	24.5	23.5	23.5	23.0
12	12.5	12.5	16.5	16.0	18.5	18.0	21.0	20.5	24.5	23.5	23.5	23.5
13	13.0	12.0	16.0	16.0	19.0	18.5	20.5	19.5	24.0	23.5	23.5	22.0
14	12.0	12.0	16.5	16.0	19.0	19.0	20.0	19.5	23.5	23.5	22.0	21.5
15	12.0	12.0	17.0	16.5	19.0	19.0	23.5	20.0	24.0	23.5	21.5	20.0
16	12.0	11.5	19.0	17.0	19.0	18.5	25.5	23.5	24.0	23.5	20.0	20.0
17	12.5	12.0	19.0	19.0	18.5	18.5	25.5	24.5	24.5	24.0	20.0	20.0
18	13.0	12.5	19.0	19.0	18.5	18.5	25.5	24.5	25.0	24.5	20.0	20.0
19	13.0	13.0	19.0	19.0	19.0	18.5	25.0	23.5	25.5	24.5	20.0	20.0
20	13.0	13.0	19.0	18.0	23.5	19.0	25.5	24.5	25.0	24.5	21.5	20.0
21	13.0	13.0	18.0	18.0	23.5	21.0	26.5	25.0	25.0	24.0	21.5	21.5
22	13.5	13.0	19.5	18.0	21.0	20.0	27.0	25.5	25.5	24.5	21.5	21.0
23	13.5	13.5	20.5	19.5	20.0	19.5	26.5	24.0	25.5	24.5	21.0	19.5
24	14.0	13.5	21.0	20.0	19.5	19.0	24.5	24.0	25.5	24.5	19.5	19.0
25	14.5	14.0	22.0	21.0	20.5	19.5	25.5	23.5	26.0	25.0	19.0	18.5
26	15.5	14.5	22.0	20.5	19.5	19.0	25.0	24.5	26.5	25.5	18.5	18.0
27	15.5	15.5	20.5	20.5	20.5	19.0	25.5	24.0	26.5	25.5	18.0	18.0
28	15.5	15.5	20.5	20.0	20.0	19.0	25.5	24.5	25.5	14.5	18.0	18.0
29	15.5	15.5	20.0	20.0	20.5	20.0	25.5	25.0	25.0	24.0	18.5	18.0
30	15.5	15.5	20.0	20.0	21.0	20.5	25.5	24.0	24.5	23.5	19.0	18.5
31	---	---	20.0	19.5	---	---	24.0	23.5	24.5	24.0	---	---
MONTH	15.5	10.0	22.0	15.5	23.5	18.0	27.0	17.0	26.5	14.5	25.5	18.0

MOBILE RIVER BASIN

02387502 Oostanaula River below Resaca, Ga.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, at bridge on Interstate Highway 75, 0.4 mi (0.6 km) west of Resaca, and 0.4 mi (0.6 km) upstream from Camp Creek.

DRAINAGE AREA.--1,610 mi² (4,170 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	
AUG. 19...	1430	1190	7.4	25.0	6.1	
DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRATE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
AUG. 19...	38	.32	.05	.06	.40	40
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (FC HATCH)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 19...	98	50	100	1.0	2300	6.0

02387502 Oostanaula River below Resaca, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
01...	0745	600	7.4	17.5	6.6
NOV.					
13...	1745	448	7.4	8.0	9.8
DEC.					
16...	1645	646	7.0	7.0	10.2
FEB.					
03...	1450	4050	7.1	12.0	8.7
MAR.					
18...	1040	9680	7.3	10.0	9.3
APR.					
28...	1400	1950	7.5	16.5	9.5
JUNE					
10...	1120	1510	7.3	16.0	9.2
JULY					
21...	1200	490	7.7	23.5	6.7
SEP.					
02...	1400	856	7.4	26.0	5.5

DATE	ALKAL- L INITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
01...	44	.14	.05	.06	.57	42
NOV.						
13...	57	.27	.06	.08	.43	60
DEC.						
16...	46	.24	.07	.09	.35	54
FEB.						
03...	47	.26	<.02	--	.23	56
MAR.						
18...	24	.24	.04	.05	.12	74
APR.						
28...	23	.20	.07	.09	.17	44
JUNE						
10...	30	.25	.03	.04	.09	40
JULY						
21...	54	.31	.02	.03	.46	62
SEP.						
02...	43	.13	.03	.04	.22	44

DATE	SOL- UBLE CHLOR- IDE CON- CENT- RATION (MG/L)	COL- LIG- AND FLO- CULAT- ION (UNITS)	THI- O- CY- AN- IDE (UNITS)	BI- O- CHEM- ICAL OXYGEN DEMAND (5 DAY MG/L)	FECAL COLI- FORM (FC BROT) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
01...	114	20	10	.9	73	3.0
NOV.						
13...	144	20	7	1.0	2300	3.0
DEC.						
16...	124	15	13	1.9	2300	3.0
FEB.						
03...	128	40	74	1.5	--	7.0
MAR.						
18...	81	45	32	1.1	930	4.0
APR.						
28...	102	10	26	.6	36	3.0
JUNE						
10...	78	10	24	.4	230	3.0
JULY						
21...	155	20	17	--	--	3.0
SEP.						
02...	103	10	14	1.0	91	3.0

MOBILE RIVER BASIN

02387520 Oostanaula River at Calhoun, Ga.

LOCATION.--Lat 34°31'08", long 84°57'16", Gordon County, on left bank at city of Calhoun water works intake at Calhoun, and 0.6 mi (1.0 km) upstream from bridge on State Highway 143.

DRAINAGE AREA.--1,620 mi² (4,200 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
JULY							
17...	1155	937	7.1	27.0	6.8		
AUG.							
19...	1200	1250	7.3	24.5	6.1		
SEP.							
30...	1630	630	7.4	20.0	7.0		

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JULY							
17...	380	<50	35	.25	<.02	--	.16
AUG.							
19...	1450	120	40	.24	.06	.08	.33
SEP.							
30...	570	<50	41	.19	.05	.06	.82

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY							
17...	35	84	5	13	.4	<30	3.0
AUG.							
19...	40	102	40	60	1.2	2300	4.0
SEP.							
30...	44	128	20	10	1.0	<30	4.0

02387520 Oostanaula River at Calhoun, Ga.--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
NOV. 11...	1430	478	7.2	11.5	6.6		
DEC. 16...	1515	622	7.4	7.0	10.5		
FEB. 03...	1230	3170	7.4	10.0	8.9		
MAR. 18...	0915	11100	7.3	10.0	9.3		
APR. 28...	1245	1960	7.5	17.0	9.0		
JUNE 10...	1145	1520	7.4	17.5	9.2		
JULY 21...	1015	466	7.5	23.0	6.9		
SEP. 02...	1310	878	7.4	25.5	5.9		
DATE	TOTAL IRON (FF) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINIT AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
NOV. 11...	490	60	46	.18	.02	.03	.55
DEC. 16...	650	<50	47	.29	.07	.09	.33
FEB. 03...	3000	110	49	.32	<.02	--	.22
MAR. 18...	1400	<50	22	.22	<.04	--	.10
APR. 28...	1300	80	28	.21	<.02	--	.13
JUNE 10...	1200	90	32	.25	<.02	--	.09
JULY 21...	1000	60	53	.37	.10	.13	.55
SEP. 02...	720	60	42	.18	.20	.26	.26
DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 11...	48	130	20	8	2.6	150	5.0
DEC. 16...	34	127	20	10	1.3	4300	3.0
FEB. 03...	58	128	25	54	1.3	--	6.0
MAR. 18...	33	76	45	32	1.1	930	3.0
APR. 28...	46	104	10	31	.7	930	2.0
JUNE 10...	41	77	10	21	.6	210	3.0
JULY 21...	66	155	20	17	--	--	3.0
SEP. 02...	44	109	10	18	.6	230	4.0

02388000 West Armuchee Creek near Subligna, Ga.

LOCATION.--Lat 34°34'04", long 85°09'16", Chattooga County, on left bank 500 ft (152 m) downstream from bridge on county road, 1 mi (1.6 km) upstream from Ruff Creek, and 2 mi (3.2 km) east of Subligna.

DRAINAGE AREA.--34.5 mi² (89.4 km²).

PERIOD OF RECORD.--April 1939 to June 1940, May 1960 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Altitude of gage is 750 ft (229 m), from topographic map.

AVERAGE DISCHARGE.--15 years, 65.0 ft³/s (1.84 m³/s), 25.59 in/yr (650.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,750 ft³/s (191 m³/s) Sept. 23, gage height, 10.22 ft (3.115 m); minimum daily, 6.6 ft³/s (187 l/s) Sept. 5, 16.

Period of record: Maximum discharge, 9,670 ft³/s (274 m³/s) Mar. 4, 1966, gage height, 11.33 ft (3.453 m), from rating curve extended above 3,000 ft³/s (85.0 m³/s) on basis of contracted-opening measurement of peak flow; minimum, 3.1 ft³/s (88 l/s) Aug. 29, 1939.

Flood of Mar. 29, 1951 reached a stage of 12.1 ft (3.69 m), from floodmarks, discharge, 12,400 ft³/s (351 m³/s) as explained above.

REMARKS.--Records good except those for period of no gage-height record, which are poor. Diurnal fluctuation and some regulation at low flow by mills above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	7.1	103	250	74	85	202	20	22	12	9.4	8.8
2	9.8	7.3	40	160	83	75	160	18	18	34	9.0	7.6
3	9.6	7.4	27	150	133	65	139	19	15	45	8.3	7.2
4	8.7	7.4	21	160	276	58	110	20	14	18	8.3	7.0
5	8.8	10	19	120	548	54	94	18	13	15	12	6.6
6	8.6	7.7	17	100	274	50	80	17	16	15	11	7.3
7	8.3	7.3	23	80	183	48	71	18	15	17	11	11
8	7.6	7.1	60	90	141	46	64	18	13	14	10	11
9	7.9	7.0	44	80	117	41	64	27	12	12	10	8.5
10	7.5	7.0	32	150	96	42	63	20	12	32	14	7.8
11	7.8	10	27	300	85	55	54	18	19	20	16	14
12	7.5	14	24	250	93	104	48	16	23	15	13	9.6
13	7.8	9.9	21	200	74	522	44	15	16	12	11	8.2
14	7.9	8.9	19	158	66	993	45	14	14	11	9.5	7.5
15	8.1	8.9	23	118	61	239	44	27	16	10	9.0	6.8
16	11	8.4	25	93	178	189	40	39	45	9.6	11	6.6
17	9.1	8.6	23	74	585	157	38	57	19	8.8	10	8.8
18	8.2	8.3	21	64	732	153	36	55	15	8.1	9.2	95
19	8.0	8.6	20	61	399	281	36	38	14	7.9	12	28
20	7.8	77	19	74	211	196	34	30	13	8.0	9.8	19
21	7.4	29	18	64	156	149	31	25	12	8.4	8.6	16
22	7.4	17	17	57	124	158	30	22	11	7.6	7.9	20
23	7.4	14	16	52	165	137	28	20	10	7.3	7.3	1,490
24	7.4	12	100	54	276	379	28	18	9.4	40	7.2	736
25	7.4	11	400	1,640	175	223	29	16	9.1	27	7.4	151
26	7.4	10	200	327	130	150	27	16	8.7	14	6.9	99
27	7.4	9.5	150	192	115	118	25	19	9.5	11	6.7	72
28	7.1	9.0	100	145	97	97	24	16	20	9.2	22	56
29	7.1	8.7	250	117	-----	444	22	22	29	9.4	12	46
30	7.2	37	600	103	-----	1,540	21	21	12	9.7	10	39
31	7.0	-----	400	85	-----	309	-----	19	-----	11	9.4	-----
TOTAL	249.7	395.1	2,859	5,568	5,647	7,157	1,731	718	474.7	479.0	318.9	3,011.3
MEAN	8.05	13.2	92.2	180	202	231	57.7	23.2	15.8	15.5	10.3	100
MAX	11	77	600	1,640	732	1,540	202	57	45	45	22	1,490
MIN	7.0	7.0	16	52	61	41	21	14	8.7	7.3	6.7	6.6
CFSM	.23	.38	2.67	5.22	5.86	6.70	1.67	.67	.46	.45	.30	2.90
IN.	.27	.43	3.08	6.00	6.09	7.72	1.87	.77	.51	.52	.34	3.25

CAL YR 1974 TOTAL 24,549.5 MEAN 67.3 MAX 1,950 MIN 7.0 CFSM 1.95 IN 26.47
 WTR YR 1975 TOTAL 28,608.7 MEAN 78.4 MAX 1,640 MIN 6.6 CFSM 2.27 IN 30.85

PEAK DISCHARGE (BASE, 1,100 CFS)

NOTE.--No gage-height record Dec. 15 to Jan. 13.

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-30	unknown	6.26	1,180	3-14	0045	8.39	3,040
1-25	1015	8.93	3,980	3-30	0245	8.15	2,680
2-18	1745	6.94	1,560	9-23	2130	10.22	6,750

MOBILE RIVER BASIN

299

02388300 Heath Creek near Rome, Ga.

LOCATION.--Lat 34°21'57", long 85°16'17", Floyd County, on upstream left wingwall of bridge on county road, 4 mi (6.4 km) upstream from Little Armuchee Creek, and 9.5 mi (15.3 km) northwest of Rome.

DRAINAGE AREA.--14.3 mi² (37.0 km²).

PERIOD OF RECORD.--May 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.

AVERAGE DISCHARGE.--7 years, 25.3 ft³/s (.716 m³/s), 24.03 in/yr (610.4 mm/yr).

EXTREMES.--Current year: Maximum gage height, 9.05 ft (2.758 m) Sept. 23 (discharge not determined); minimum daily, 2.3 ft³/s (65 l/s) Oct. 22, 23.

Period of record: Maximum gage height, 9.05 ft (2.758 m) Sept. 23, 1975 (discharge not determined); minimum, 1.2 ft³/s (34 l/s) Sept. 12, 1972, gage height, 1.15 ft (.351 m).

REMARKS.--Records good to Aug. 1 and fair thereafter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.6	2.8	9.9	2.9	3.3	7.9	8.4	4.1	4.6	4.5	4.0
2	3.2	2.6	1.5	6.3	2.6	2.9	6.1	8.1	2.5	4.4	4.3	3.8
3	3.1	2.6	1.1	6.0	4.2	2.4	5.1	1.4	1.8	4.5	4.2	3.7
4	3.1	2.7	9.3	6.3	1.38	2.2	3.7	1.1	1.4	4.5	4.1	3.6
5	3.1	4.8	8.4	4.9	3.56	2.0	3.1	8.7	1.3	4.4	4.0	3.5
6	2.9	3.3	7.5	4.2	1.52	1.9	2.6	8.1	1.5	5.3	3.9	4.0
7	2.9	2.9	1.2	3.4	9.2	1.8	2.4	9.3	1.4	6.2	3.9	5.1
8	2.9	2.8	2.2	3.6	6.5	1.7	2.2	8.7	1.2	5.5	3.8	4.7
9	2.9	2.9	1.6	3.3	5.3	1.5	3.2	9.3	9.3	4.9	4.5	4.5
10	2.7	2.9	1.3	4.7	4.2	1.8	3.3	7.8	9.9	4.7	8.1	5.5
11	2.7	5.8	1.2	1.13	3.6	1.10	2.5	7.2	4.6	4.8	8.2	5.9
12	2.8	6.3	1.1	1.00	3.5	1.03	2.2	7.0	4.6	4.6	5.3	8.7
13	2.6	3.8	9.3	9.5	2.5	1.98	2.0	6.5	2.4	4.4	5.0	4.9
14	2.6	3.7	8.4	6.7	2.2	4.14	2.5	6.2	1.6	4.4	4.8	4.9
15	2.7	3.9	1.1	5.2	2.0	1.32	2.5	7.0	1.4	4.3	4.6	4.8
16	3.4	3.6	1.2	4.1	8.0	1.06	2.2	7.8	1.1	4.2	4.5	4.6
17	3.0	3.8	1.0	3.2	1.50	7.9	2.1	1.9	9.3	4.2	4.4	4.8
18	2.7	3.9	9.6	2.8	2.73	8.2	1.9	2.2	8.4	4.3	4.3	1.9
19	2.6	4.4	9.3	2.7	2.21	1.27	1.8	1.3	7.0	4.3	4.2	8.1
20	2.6	2.3	9.0	3.5	1.11	8.3	1.6	9.9	7.8	4.4	4.0	5.4
21	2.5	9.3	8.4	2.5	7.6	6.2	1.4	9.0	6.7	4.4	3.9	4.8
22	2.3	7.0	7.8	2.3	5.8	5.0	1.3	7.8	6.7	4.4	3.8	2.2
23	2.3	5.9	7.2	2.2	6.8	4.0	1.2	7.2	7.0	4.8	3.7	3.77
24	2.4	5.4	5.6	2.5	1.19	7.8	1.2	6.7	6.2	5.6	3.6	3.30
25	2.4	5.4	1.86	5.14	7.6	6.1	1.2	6.2	5.7	6.7	3.5	8.4
26	2.4	5.2	1.04	1.84	5.6	4.7	1.1	2.1	5.4	5.2	4.0	5.1
27	2.5	4.9	5.9	9.9	4.7	3.9	9.9	1.5	5.4	4.8	4.8	3.4
28	2.4	4.8	5.0	6.9	3.9	3.3	9.3	9.6	5.4	4.6	8.2	2.4
29	2.6	4.6	1.20	5.4	-----	9.7	9.0	6.3	5.2	4.6	4.9	1.8
30	2.6	2.1	2.18	4.2	-----	3.14	8.4	5.9	4.8	5.1	4.5	1.4
31	2.6	-----	1.98	3.4	-----	1.24	-----	3.5	-----	5.3	4.2	-----
TOTAL	84.7	165.8	1,260.2	2,207	2,507	2,594	719.6	438.5	419.2	148.4	143.7	1,125.4
MEAN	2.73	5.53	40.7	71.2	89.5	83.7	24.0	14.1	14.0	4.79	4.64	37.5
MAX	3.4	2.3	2.18	5.14	3.56	4.14	7.9	6.3	4.6	6.7	8.2	3.77
MIN	2.3	2.6	7.2	2.2	2.0	1.5	8.4	6.2	4.8	4.2	3.5	3.5
CFSM	.19	.39	2.85	4.98	6.26	5.85	1.68	.99	.98	.34	.32	2.62
IN.	.22	.43	3.28	5.74	6.52	6.75	1.87	1.14	1.09	.39	.37	2.93
CAL YR 1974	TOTAL	10,567.7	MEAN	29.0	MAX	604	MIN	2.3	CFSM	2.03	IN	27.49
WTR YR 1975	TOTAL	11,813.5	MEAN	32.4	MAX	514	MIN	2.3	CFSM	2.27	IN	30.73

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	1130	7.37	821	3-14	0145	7.13	749
2-5	1000	5.57	446	3-30	0630	5.48	432
2-18	1845	5.65	458	9-23	2015	9.05	not determined

MOBILE RIVER BASIN

02388500 Oostanaula River near Rome, Ga.

LOCATION.—Lat 34°18'02", long 85°08'30", Floyd County, on left bank 1.2 mi (1.9 km) upstream from Dry Creek, 4.5 mi (7.2 km) north of Rome, 4.5 mi (7.2 km) upstream from confluence with Etowah River, and 6.5 mi (10.5 km) downstream from Armuchee Creek.

DRAINAGE AREA.—2,120 mi² (5,490 km²), approximately.

PERIOD OF RECORD.—Discharge: October 1939 to current year, in reports of Geological Survey. Gage-height records collected at site 4.2 mi (6.8 km) downstream since 1890 are contained in reports of National Weather Service.
Chemical analyses: March 1968 to June 1974 (discontinued).

GAGE.—Water-stage recorder. Datum of gage is 561.70 ft (171.21 m) above mean sea level. Oct. 1, 1939 to Dec. 7, 1950, water-stage recorder at site 3.2 mi (5.1 km) downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi (6.8 km) 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.

AVERAGE DISCHARGE.—36 years, 3,556 ft³/s (101 m³/s), 22.78 in/yr (578.6 mm/yr), unadjusted.

EXTREMES.—Current year: Maximum discharge, 21,400 ft³/s (606 m³/s) Mar. 31; maximum gage height, 26.57 ft (8.099 m) Mar. 15; minimum daily discharge, 615 ft³/s (17.4 m³/s) Nov. 17.

Period of record: Maximum discharge, 47,000 ft³/s (1,330 m³/s) Jan. 23, 1947; maximum gage height, 35.13 ft (10.708 m) Jan. 22, 1947; minimum daily discharge, 408 ft³/s (11.6 m³/s) Oct. 25, 1954.

Maximum stage known since at least 1834, 40.3 ft (12.28 m) in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

REMARKS.—Records good except those for periods of doubtful or no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	746	710	1,550	6,710	2,900	4,470	19,600	2,010	2,780	1,600	1,070	1,000		
2	725	817	2,000	4,200	2,610	3,940	18,900	1,990	3,050	1,470	1,340	1,100		
3	697	687	2,600	3,340	3,140	3,210	19,900	2,070	2,640	1,470	1,420	1,200		
4	684	690	1,800	4,070	7,570	3,030	17,700	2,010	2,300	2,030	1,350	1,300		
5	673	733	1,200	4,550	15,400	2,710	11,400	2,050	1,960	1,560	1,480	1,400		
6	672	758	960	4,180	19,500	2,500	5,220	1,740	1,630	1,330	1,430	1,300		
7	671	976	1,300	3,510	14,700	2,360	4,290	1,810	1,830	1,280	1,740	1,500		
8	675	701	1,700	2,850	15,400	2,380	3,700	1,870	1,830	1,320	2,700	3,000		
9	671	703	2,000	2,310	10,400	2,290	3,610	2,030	1,590	1,240	2,100	4,000		
10	670	677	1,800	2,330	5,100	2,110	3,640	2,100	1,590	1,350	1,600	4,000		
11	671	620	1,500	5,160	3,880	3,330	3,500	2,430	1,970	1,430	1,250	2,000		
12	671	789	1,200	8,000	4,420	5,010	3,230	2,240	2,870	1,900	1,950	2,200		
13	651	495	1,000	9,000	4,720	7,270	3,240	2,210	3,400	1,400	1,830	2,000		
14	644	739	950	8,310	4,620	16,000	2,470	2,020	3,040	1,170	1,600	1,600		
15	654	651	900	6,240	3,420	19,800	2,360	1,740	2,200	1,150	1,470	1,400		
16	714	641	1,000	3,900	4,320	19,200	2,300	2,340	1,960	869	1,520	1,200		
17	767	615	1,300	3,010	4,120	16,400	2,330	3,640	1,830	830	1,410	1,500		
18	1,000	641	1,300	2,810	12,400	14,300	2,710	6,320	1,740	875	1,390	3,000		
19	905	670	1,200	2,340	17,200	11,100	2,760	6,100	1,590	924	1,220	4,500		
20	825	936	1,200	2,350	16,800	8,050	2,540	3,730	1,530	776	1,190	3,000		
21	745	1,630	1,100	2,330	14,400	6,850	2,480	2,990	1,540	704	1,180	2,500		
22	721	1,410	1,100	3,060	12,000	5,410	2,610	2,670	1,690	826	1,180	3,000		
23	712	1,390	1,100	2,570	7,670	5,070	2,270	1,830	1,530	1,060	900	5,320		
24	712	1,050	1,100	2,140	11,500	5,860	2,260	1,700	1,470	1,210	800	17,300		
25	710	854	3,000	10,400	13,500	9,980	2,270	1,260	1,400	1,320	736	16,200		
26	714	850	5,200	19,800	13,400	10,700	2,260	1,170	1,330	1,740	893	12,700		
27	710	820	5,000	14,300	11,300	9,570	2,250	1,330	1,230	1,320	871	9,000		
28	701	800	4,000	14,900	7,790	7,010	2,180	1,560	1,310	1,090	1,060	8,000		
29	714	774	4,000	12,900	-----	4,690	2,100	1,830	1,620	1,170	1,100	3,500		
30	705	897	6,200	4,930	-----	13,600	2,030	2,310	1,580	1,010	1,000	2,400		
31	705	-----	8,800	3,710	-----	20,400	-----	2,530	-----	1,010	910	-----		
TOTAL	22,244	25,643	71,060	188,210	272,180	248,600	159,250	73,630	58,030	38,434	41,690	122,120		
MEAN	718	855	2,292	6,071	9,721	8,019	5,308	2,375	1,934	1,240	1,345	4,071		
MAX	1,000	1,310	9,400	19,800	19,500	20,400	19,900	6,320	3,400	2,030	2,700	17,300		
MIN	644	615	900	2,140	2,610	2,110	2,030	1,170	1,230	704	736	1,000		
DAY YEAR 1974	TOTAL	1,485,977	MEAN	4,071	MAX	21,700	MIN	615	MEAN	4,105	CFSM	1.94	IN	26.33
WTR YEAR 1975	TOTAL	1,321,090	MEAN	3,619	MAX	20,400	MIN	615	MEAN	4,142	CFSM	1.95	IN	26.47

NOTE.—Doubtful or no gage-height record at base or auxiliary gage Dec. 2 to Jan. 14, Aug. 29 to Sept. 30.

† Adjusted for change in contents in Carters Lake and re-regulation pool.

MOBILE RIVER BASIN

301

02388500 Oostanaula River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.78	5.25	7.11		12.62	9.88	15.96	7.68	8.75	7.55	10.84	6.17
2	5.94	6.69			12.14	10.73	13.65	7.86	8.25	6.11	10.87	6.18
3	4.89	6.25			12.73	16.10	12.15	8.57	8.11	5.49	11.96	4.79
4	4.84	7.81			14.07	16.24	12.04	9.98	6.80	6.64	10.04	4.71
5	5.32	8.49			14.14	15.35	11.97	11.15	6.66	6.55	8.71	4.91
6	5.26	7.66			11.69	14.11	11.61	10.72	7.89	7.61	7.46	5.58
7	5.15	5.81			11.96	12.14	11.09	9.06	7.64	8.05	6.99	5.51
8	5.22	5.53			13.43	12.45	11.83	8.42	6.75	6.95	7.55	6.37
9	5.06	6.68			13.51	13.99	12.74	9.38	7.48	6.16	7.37	6.07
10	4.85	6.68			12.75	14.02	12.49	10.19	7.06	5.90	7.18	4.74
11	4.81	6.60			12.19	12.45	11.32	9.78	6.79	6.57	7.16	4.62
12	4.81	6.61			11.91	10.60	10.59	9.22	6.50	6.54	7.16	4.85
13	4.91	6.46			12.45	9.97	10.57	11.26	6.98	6.33	6.35	5.27
14	4.91	5.09			14.58	10.00	10.33	20.16	6.90	6.28	6.06	5.17
15	4.89	5.02			14.55	9.96	10.29	22.54	6.86	6.49	6.22	5.98
16	4.94	6.22			13.05	9.82	9.22	21.40	6.78	5.55	6.11	5.66
17	5.17	6.28			12.45	9.93	8.85	20.65	6.71	5.47	6.07	4.64
18	5.58	6.26		15.92	13.05	10.20	9.26	14.93	6.01	6.14	6.28	4.67
19	5.44	6.31		14.61	13.65	9.77	9.08	14.86	6.11	7.38	6.42	6.08
20	5.31	6.27		14.21	13.50	9.42	8.87	12.87	8.25	7.36	5.35	5.86
21	5.19	5.01		13.75	11.84	9.50	8.78	11.42	12.53	6.26	5.24	5.54
22	5.20	4.95		13.98	11.44	12.28	9.00	9.75	11.55	6.88	5.88	5.44
23	5.23	5.97		14.50	10.97	15.88	10.20	11.71	2.19	5.46	5.91	5.13
24	5.39	6.22		14.29	10.63	16.48	12.07	11.90	7.78	5.42	5.84	4.57
25	6.67	6.33		13.76	10.42	13.43	11.34	11.86	6.72	5.88	5.88	4.48
26	7.30	6.13		13.20	10.39	11.36	9.38	11.00	6.58	5.76	5.81	5.24
27	7.03	7.22		12.82	10.26	11.01	8.69	10.12	7.50	6.09	5.24	5.44
28	7.46	5.44		11.66	10.52	12.06	8.36	7.70	7.54	7.81	5.37	5.91
29	7.32	5.46		11.43	10.34	14.17	8.15	7.38	7.50	10.79	6.43	6.87
30	6.31	6.93		12.21	-----	16.63	7.83	8.07	7.66	12.08	6.36	5.61
31	5.33	-----		11.88	-----	16.59	-----	7.99	-----	11.97	6.25	-----
MFAN	5.53	6.25			12.32	12.47	10.59	11.73	7.35	6.97	6.98	5.40
MAX	7.46	8.49			14.58	16.63	15.96	22.54	12.53	12.08	11.96	6.87
MTN	4.81	4.95			10.26	9.42	7.93	7.38	2.19	5.42	5.24	4.48

MOBILE RIVER BASIN

02388500 Oostanula River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	6.92		16.86	10.85	8.04	20.48	20.50	24.94	7.88	7.48	6.49
2	6.12	6.86		17.00	11.96	8.04	19.49	16.17	25.06	7.66	7.71	5.38
3	6.02	7.11		14.94	13.64	9.74	17.34	13.36	23.54	8.77	7.30	5.27
4	5.55	8.48		14.57	13.87	10.60	14.30	13.19	17.51	8.74	6.88	5.35
5	5.37	8.45		14.61	11.71	11.52	13.08	12.61	13.41	7.71	6.31	6.14
6	5.54	6.32		15.44	12.24	11.47	12.42	11.63	15.97	8.80	6.15	6.17
7	6.42	7.12		14.12	12.33	11.35	14.48	4.88	20.51	8.99	6.62	6.19
8	5.94	7.49			12.93	10.74	22.12	15.55	20.74	7.40	7.34	6.21
9	5.19				14.36	13.27	21.72	23.40	20.10	7.71	6.79	5.47
10	5.24				16.02	16.65	20.92	21.95	17.15	8.57	6.94	5.44
11	5.17				14.59	15.40	18.22	20.73	15.32	9.10	6.12	5.68
12	5.06				12.01	13.70	14.56	17.96	15.39	8.60	6.10	5.54
13	5.11				11.41	13.70	12.90	14.18	15.16	8.25	6.66	5.68
14	4.91				11.82	14.24	12.51	11.76	14.46	7.91	8.65	10.54
15	4.62				13.47	15.57	11.66	12.16	13.20	6.99	7.90	14.97
16	4.56			10.55	14.04	16.74	9.89	11.69	12.67	8.80	7.92	12.96
17	4.43			10.35	13.21	25.75	11.43	11.34	11.16	9.43	7.41	8.70
18	4.84			9.44	11.00	26.53	11.46	11.16	10.33	9.45	7.35	9.22
19	5.14			11.17	10.22	24.43	11.82	11.06	11.29	9.89	7.85	10.28
20	6.27		14.81	12.44	10.58	24.37	11.86	13.42	12.45		7.40	9.34
21	6.64		14.82	12.02	10.31	25.42	11.37	18.37	11.94		7.32	8.07
22	5.63		19.75	14.12	10.03	26.25	9.02	16.47	12.36		6.70	7.86
23	5.32		20.46	15.64	9.81	25.11	8.81	13.41	11.83		6.53	6.63
24	5.54		19.47	16.05	9.50	19.79	11.74	13.54	9.21		6.39	6.38
25	6.15		17.00	14.12	9.40	14.15	18.60	14.92	8.56		6.31	6.95
26	5.94		14.54	13.05	8.17	12.63	19.93	15.06	9.28		5.71	6.77
27	5.74		12.65	13.80	8.29	13.49	22.62	13.69	9.12		5.60	6.57
28	5.46		11.46	12.55	8.16	12.46	23.01	23.61	9.48		6.55	6.54
29	6.34		11.47	11.90	-----	12.23	21.72	26.26	9.42		6.74	6.74
30	6.46		11.02	11.49	-----	12.00	21.06	24.74	9.33	7.44	6.56	7.20
31	6.66	-----	14.56	12.20	-----	15.93	-----	24.47	-----		5.50	-----
MEAN	5.62				11.60	16.75	15.69	16.25	14.36		6.90	7.36
MAX	6.64				16.02	26.53	23.01	26.26	25.06		8.65	14.97
MIN	4.75				8.16	8.04	8.81	9.88	8.56		5.60	5.27

MOBILE RIVER BASIN

303

02388500 Oostanaula River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.97	7.00	18.45	25.49	16.66	12.91	12.85	9.51	9.80	5.89	6.16	5.60
2	12.39	6.86	17.89	24.91	15.70	12.43	13.60	8.07	9.06	6.77	6.18	5.66
3	11.09	6.82	14.51	23.96	20.01	10.55	15.26	8.26	11.70	6.86	6.16	5.55
4	9.45	5.73	10.05	24.16	20.40	10.34	21.24	10.18	12.38	6.93	5.65	5.88
5	9.34	5.60	10.49	24.34	21.15	10.91	29.03	8.61	10.53	6.09	5.91	5.96
6	8.26	6.60	12.83	23.99	20.49	10.65	28.28	8.22	9.46	6.38	7.13	5.82
7	6.85	6.65	12.59	24.39	19.29	10.44	25.51	8.72	9.08	6.74	7.80	5.77
8	6.39	6.62	10.77	24.50	20.73	10.27	24.02	8.53	9.22	6.82	6.58	5.52
9	6.85	6.66	9.54	23.10	21.15	9.92	23.30	9.15	8.26	7.55	8.02	5.42
10	7.10	6.76	8.46	21.79	19.32	8.95	19.40	9.08	7.90	8.06	8.48	6.34
11	7.05	5.66	8.70	21.62	16.80	8.87	16.21	9.23	8.46	7.64	7.47	6.79
12	6.46	5.51	9.49	22.70	14.26	9.25	14.76	8.35	8.47	7.08	6.36	6.90
13	6.90	6.40	9.69	21.25	13.05	9.20	17.10	8.98	8.18	6.83	7.17	6.83
14	5.83	6.48	9.55	20.51	12.69	9.13	19.07	9.76	8.09	5.83	6.62	6.94
15	5.74	6.46	9.44	21.23	16.41	8.94	19.21	9.26	7.89	5.70	6.38	5.32
16	6.16	6.61	7.33	20.91	20.49	8.76	19.55	9.07	6.76		6.53	5.16
17	6.96	6.67	7.19	20.06	22.45	8.25	16.55	9.04	6.61		6.62	6.36
18	7.19	5.80	7.89	19.13	21.21	8.37	14.87	8.75	7.28		6.06	6.38
19	6.91	5.61	7.77	17.15	20.41	8.42	13.25	7.52	7.18		6.39	5.36
20	6.42	6.79	8.29	14.65	19.69	8.60	12.28	7.26	7.21		6.34	5.27
21	5.50	7.14	9.40	13.56	17.00	9.40	10.54	8.39	7.33		6.17	5.46
22	5.40	9.67	10.50	14.77	18.20	10.42	9.82	8.02	7.40		5.44	
23	6.50	10.51	9.43	13.89	20.53	11.23	11.17	8.11	7.11	5.51	6.26	
24	6.63	9.95	8.36	13.79	19.03	10.25	11.03	10.49	6.17	5.46	6.67	5.28
25	6.56	7.62	8.26	14.16	17.67	9.08	10.36	11.42	6.66	5.63	5.47	5.22
26	6.60	7.06	9.43	14.86	15.78	9.04	9.96	9.35	6.80	5.86	5.25	5.26
27	6.63	8.14	16.64	16.71	14.03	9.20	9.67	11.32	6.69	6.38	6.56	5.28
28	5.27	13.67	18.25	17.65	13.30	9.10	8.62	13.98	6.78	7.79	6.43	5.21
29	5.30	18.30	17.43	20.30	-----	11.93	8.43	14.01	6.74	7.38	6.71	4.97
30	6.65	18.75	17.59	20.10	-----	15.31	8.99	11.59	6.03	7.11	6.48	4.97
31	7.22	-----	19.29	19.09	-----	15.99	-----	10.29	-----	6.40	6.57	-----
MEAN	7.21	7.94	11.47	19.96	18.14	10.19	15.80	9.44	8.04		6.52	
MAX	12.39	18.75	19.29	25.49	22.45	15.99	29.03	14.01	12.38		8.48	
MIN	5.27	5.51	7.19	13.56	12.69	8.25	8.43	7.26	6.03		5.25	

MOBILE RIVER BASIN

02388500 Oostanaula River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.29	5.60	7.11	14.81	10.58	12.89	23.41	7.79	8.53	7.37	5.63	
2	4.86	5.89	8.55	12.24	8.93	11.65	22.75	7.55	8.91	6.72	6.53	
3	4.79	4.92		11.40	9.22	10.22	23.17	7.99	8.98	6.88	6.32	
4	4.84	4.93		11.51	15.84	11.08	23.05	7.38	8.61	7.65	6.18	
5	4.83	5.08		10.85	23.39	10.61	20.02	7.42	8.19	6.84	6.98	
6	4.86	5.11		10.70	24.68	10.29	14.87	8.00	7.60	6.13	7.00	
7	4.83	5.36	6.59	10.13	23.22	8.86	11.85	8.03	7.91	6.04	7.52	
8	4.87	4.87	6.48	9.33	21.33	9.31	11.43	8.27	7.60	6.56		
9	4.86	4.98	7.18	9.12	17.93	7.82	11.84	8.49		6.44		
10	4.86	4.90	7.73	9.35	12.00	7.85	12.10	8.18	6.87	6.66		
11	4.85	4.94	7.51	12.28	9.96	9.74	11.93	8.03	7.98	6.99		
12	5.04	5.19	7.01	14.34	11.07	11.78	11.38	7.81	9.73	7.43	7.73	
13	4.78	5.41	6.74	15.35	11.24	14.93	10.73	8.08	10.45	6.27	7.65	
14	4.80	5.11	6.56	15.74	11.56	24.39	9.11	8.01	10.44	5.41	7.97	
15	4.78	4.98	5.78	14.56	11.46	26.09	11.00	8.56	7.65	6.29	7.45	
16	5.02	4.94	6.11	12.17	12.37	23.58	11.05	8.20	7.25	5.75	7.69	
17	5.14	4.70	6.63	11.07	15.94	22.03	10.87	10.90	7.73	5.64	6.30	
18	5.65	4.78	6.83	10.48	20.24	21.29	9.66	12.62	7.51	5.72	6.39	
19	5.42	4.95	6.71	7.88	23.45	19.67	9.36	13.03	7.43	5.87	6.19	
20	5.17	5.81	6.64	7.90	22.19	16.94	8.19	11.44	7.38	4.85	6.22	
21	5.05	7.04	6.40	8.99	21.10	15.45	8.33	10.62	5.77	4.69	6.14	
22	5.03	7.33	5.41	9.96	19.45	13.97	8.82	10.04	6.79	5.57	6.49	
23	4.90	6.48	5.47	8.22	15.69	12.88	8.96	8.67	6.52	5.08		
24	4.43	5.75	6.78	7.55	19.16	13.68	7.99	8.05	6.61	6.40		
25	4.90	5.50	9.22	15.82	20.67	18.51	8.14	6.01	6.47	7.22		
26	4.95	7.32	11.93	23.41	20.69	18.60	7.78	5.82	6.23	7.48	5.81	
27	4.87	7.52	12.41	22.28	19.09	17.40	7.74	6.39	5.95	6.12	5.89	
28	4.91	7.33	11.87	20.23	16.17	15.15	8.41	6.79	6.31	5.71		
29	4.96	5.23	10.92	18.81	-----	13.62	8.36	7.39	6.67	6.68		
30	4.94	5.27	14.24	15.82	-----	21.50	7.46	6.13	6.63			
31	4.91	-----	16.95	11.74	-----	24.41	-----	8.33	-----	5.48	-----	
MEAN	4.90	5.57		12.71	16.74	15.36	12.00	8.68				
MAX	5.65	7.52		23.41	24.68	26.09	23.41	13.03				
MIN	3.29	4.70		7.55	8.93	7.82	7.74	5.82				

MOBILE RIVER BASIN

305

02388520 Oostanaula River at Rome, Ga.

LOCATION.--Lat 34°16'13", long 85°10'24", Floyd County, at Southern Railway bridge at pumping station at city of Rome water works, 1.2 mi (1.9 km) upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi² (5,570 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 21...	0955	1220	7.4	25.0	5.4

DATE	TOTAL IRON (FF) (MG/L)	TOTAL MAN- GANESE (MN) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG. 21...	1100	60	47	.37	.03	.04	.33

DATE	HARD- NESS (CA, MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BATH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 21...	48	120	20	32	.7	150	3.0

MOBILE RIVER BASIN

0238520 Oostanaula River at Rome, Ga.--Continued

WATER QUALITY DATA WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED OXYGEN (CFS)	PH (UNITS)	TEMPER- ATURE (DEG. C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
02...	1040	712	7.5	18.0	--
15...	1600	713	7.4	18.5	7.8
NOV.					
13...	0900	801	7.2	6.5	7.4
DEC.					
18...	1145	1740	7.0	4.0	10.4
FEB.					
05...	1550	17000	7.3	8.0	10.6
MAR.					
17...	1515	17000	6.9	10.5	10.1
APR.					
30...	1230	2230	7.0	17.5	7.9
JUNE					
09...	1445	1570	7.0	20.5	7.4
JULY					
22...	1510	836	7.3	26.0	--
SEP.					
04...	1000	1200	7.4	26.0	7.8

DATE	TOTAL IRON (FF) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
15...	490	60	54	.36	<.02	--	.53
NOV.							
13...	550	60	61	.23	.11	.14	.42
DEC.							
18...	800	<50	57	.32	.05	.06	.30
FEB.							
05...	2200	80	25	.19	<.02	--	.16
MAR.							
17...	2400	<50	16	.13	<.04	--	.11
APR.							
30...	1000	<50	34	.26	<.02	--	.12
JUNE							
09...	1700	90	49	.36	.02	.03	.24
JULY							
22...	910	70	60	.35	<.02	--	.30
SEP.							
04...	550	50	50	.34	.14	.18	.29

DATE	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
15...	54	138	10	12	1.2	150	3.0
NOV.							
13...	64	155	20	6	.7	430	3.0
DEC.							
18...	64	152	20	12	1.4	4300	6.0
FEB.							
05...	31	69	60	64	1.9	23000	8.0
MAR.							
17...	25	58	100	54	1.3	930	6.0
APR.							
30...	52	114	8	25	.5	430	2.0
JUNE							
09...	55	102	20	32	.4	930	3.0
JULY							
22...	68	165	10	18	.5	430	3.0
SEP.							
04...	50	126	25	14	.6	91	5.0

02389000 Etowah River near Dawsonville, Ga.

LOCATION.--Lat 34°22'57", long 84°03'21", Dawson County, on left bank 0.4 mi (0.6 km) upstream from Palmer Creek, 0.5 mi (0.8 km) upstream from bridge on State Highway 53, 1.2 mi (1.9 km) downstream from Russell Creek, 4 mi (6.4 km) southeast of Dawsonville, and 7.5 mi (12.1 km) upstream from Shoal Creek.

DRAINAGE AREA.--103 mi² (267 km²).

PERIOD OF RECORD.--Discharge: March 1940 to current year.

Chemical analyses: November 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,050 ft (320 m), by barometer.

AVERAGE DISCHARGE.--35 years, 269 ft³/s (7.62 m³/s), 35.47 in/yr (900.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,710 ft³/s (105 m³/s) Mar. 14, gage height, 9.75 ft (2.972 m); minimum, 124 ft³/s (3.51 m³/s) Nov. 3, 4, 9-11, gage height, 1.11 ft (.338 m).

Period of record: Maximum discharge, 6,140 ft³/s (174 m³/s) Mar. 4, 1966, Aug. 24, 1967; maximum gage height, 16.18 ft (4.932 m) in gage well, Dec. 12, 1961; minimum daily discharge, 50 ft³/s (1.42 m³/s) Oct. 22-28, 1954.

REMARKS.--Records good except those for period of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	128	413	242	248	445	655	476	389	231	189	172
2	144	126	231	216	329	434	620	480	323	246	181	137
3	142	126	189	206	417	403	637	452	294	258	168	136
4	142	126	171	251	763	385	557	452	279	220	173	136
5	142	152	160	221	1,110	375	529	368	270	218	205	136
6	142	152	154	206	658	361	508	341	274	209	229	136
7	140	132	177	196	511	364	494	399	268	211	196	258
8	138	128	448	206	441	378	480	396	256	205	177	320
9	138	126	270	213	396	347	476	392	245	201	167	190
10	136	126	211	248	354	364	476	357	246	196	172	220
11	134	130	191	777	335	466	455	335	304	197	209	300
12	134	166	184	592	550	490	434	326	375	191	170	250
13	134	142	171	651	410	1,350	424	323	295	181	157	200
14	132	136	164	424	357	2,160	434	305	263	177	152	170
15	134	140	180	335	332	931	441	519	259	309	148	160
16	240	132	203	290	658	721	417	538	265	233	144	150
17	180	132	175	265	609	641	403	427	243	197	140	220
18	150	162	164	248	805	634	396	384	234	203	142	320
19	142	166	169	242	840	882	392	349	238	186	141	250
20	138	420	166	251	578	697	378	329	256	180	139	200
21	136	265	160	229	490	606	364	316	255	183	138	180
22	134	182	154	218	448	585	357	305	233	172	138	200
23	134	162	152	216	567	550	354	295	224	168	138	350
24	134	152	216	226	1,050	690	354	288	219	181	136	450
25	134	146	371	830	679	662	361	289	216	254	136	370
26	132	140	329	560	557	564	354	323	214	195	144	300
27	132	136	248	385	508	525	335	380	214	178	163	250
28	130	134	234	320	473	504	329	313	222	169	156	220
29	130	132	296	290	-----	588	326	306	259	164	138	200
30	130	224	329	273	-----	1,190	323	386	284	185	137	170
31	128	-----	279	256	-----	767	-----	392	-----	198	139	-----
TOTAL	4,384	4,721	6,959	10,083	15,473	20,059	13,063	11,541	7,916	6,296	4,962	6,751
MEAN	141	157	224	325	553	647	435	372	264	203	160	225
MAX	240	420	448	830	1,110	2,160	655	538	389	309	229	450
MIN	128	126	152	196	248	347	323	288	214	164	136	136
CFSM	1.37	1.52	2.17	3.16	5.37	6.28	4.22	3.61	2.56	1.97	1.55	2.18
IN.	1.58	1.71	2.51	3.64	5.59	7.24	4.72	4.17	2.86	2.27	1.79	2.44

CAL YR 1974 TOTAL 119,193 MEAN 327 MAX 1,910 MIN 126 CFSM 3.17 IN 43.05
WTR YR 1975 TOTAL 112,208 MEAN 307 MAX 2,160 MIN 126 CFSM 2.98 IN 40.53

PEAK DISCHARGE (BASE, 1,800 CFS)

NOTE.--No gage-height record Sept. 8-30.

DATE	TIME	G.H.	DISCHARGE
2-18	2030	6.31	1,990
3-14	0015	9.75	3,710

MOBILE RIVER BASIN

02389000 Etowah River near Dawsonville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)							
JUNE 29...	1220	22	21.0	9.3							
DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED ALUMINUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JUNE 29...	9.3	10	70	90	.7	.7	1.4	.8	10	0	8
DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (NO2) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
JUNE 29...	1.2	1.2	.1	.06	.27	.01	.03	.06	.07	.00	.02
DATE	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA+MG) (MG/L)
JUNE 29...	.03	.08	.08	.14	.62	.02	.00	.00	.00	28	5
DATE	NON-CARBONATE HARDNESS (MG/L)	COLOP (PLATINUM-COBALT UNITS)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE 29...	0	11	.7	0	0	1	2	3	.0	0	10

02392000 Etowah River at Canton, Ga.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, on left bank 100 ft (30 m) downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi (1.3 km) upstream from Canton Creek, and 1.8 mi (2.9 km) downstream from Hickory Log Creek.

DRAINAGE AREA.--605 mi² (1,570 km²).

PERIOD OF RECORD.--Discharge: March 1892 to December 1905 (prior to 1896, gage heights only), October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

Chemical analyses: March 1968 to current year.

Water temperature: June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft (257.42 m) above mean sea level. March 1892 to December 1905, nonrecording gage at site 100 ft (30 m) upstream at datum 2.0 ft (.610 m) higher. Mar. 16, 1937 to Jan. 17, 1939, nonrecording gage at site 100 ft (30 m) upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--48 years (1896-1905, 1936-75), 1,232 ft³/s (34.9 m³/s), 27.65 in/yr (702.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,900 ft³/s (337 m³/s) Mar. 14, gage height, 19.04 ft (5.803 m); minimum, 433 ft³/s (12.3 m³/s) Sept. 5, gage height, 2.12 ft (.646 m). Maximum water temperature, 25.0°C Aug. 23-26; minimum, 3.5°C Dec. 18-19. Period of record: Maximum discharge, 32,300 ft³/s (915 m³/s) Jan. 7, 1946, gage height, 26.7 ft (8.14 m); minimum, 178 ft³/s (5.04 m³/s) Sept. 29, 30, 1954. Maximum water temperature, 26.0°C July 24, 1972; minimum, 3.5°C Jan. 14, Dec. 21, 1973, Dec. 18-19, 1974.

Maximum discharge known, 36,700 ft³/s (1,040 m³/s) in January 1892, gage height, 25.0 ft (7.62 m), present datum, from National Weather Service.

Maximum stage known since at least 1892, that of Jan. 7, 1946.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1906: 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	571	530	1,640	1,430	1,140	1,900	2,970	1,810	1,550	1,040	1,040	567
2	552	525	1,330	1,220	1,130	1,870	2,910	2,600	1,410	1,150	1,020	568
3	535	523	997	1,100	1,480	1,770	2,740	1,920	1,250	1,320	795	489
4	536	520	862	1,210	2,480	1,690	2,480	2,090	1,190	1,040	750	465
5	546	550	800	1,220	5,700	1,640	2,320	1,750	1,150	960	1,000	443
6	547	666	761	1,090	3,710	1,610	2,220	1,590	1,150	929	908	454
7	543	595	776	1,030	2,520	1,600	2,160	4,180	1,220	942	1,020	547
8	535	541	1,720	1,020	2,040	1,810	2,120	3,390	1,150	946	880	1,670
9	533	531	1,690	1,190	1,790	1,630	2,120	2,170	1,070	915	780	998
10	534	529	1,170	1,120	1,630	1,600	2,210	1,910	1,060	849	739	693
11	525	530	987	3,020	1,520	1,740	2,020	1,700	1,320	876	831	1,090
12	519	662	905	2,550	2,470	2,230	1,930	1,580	1,720	838	796	827
13	525	691	858	3,640	2,410	3,670	1,900	1,570	1,510	794	709	841
14	524	595	808	2,270	1,810	10,700	1,860	1,470	1,230	760	660	720
15	522	617	811	1,720	1,610	7,320	1,820	1,520	1,130	747	629	616
16	739	604	1,020	1,480	2,090	3,670	1,790	2,160	1,130	896	608	565
17	970	572	914	1,320	3,340	3,060	1,760	1,830	1,070	782	590	572
18	683	700	816	1,220	2,700	2,770	1,730	1,960	1,020	758	579	807
19	601	808	788	1,160	4,920	3,610	1,700	1,630	1,010	744	576	920
20	572	1,770	802	1,170	3,000	3,270	1,660	1,480	1,190	716	575	712
21	548	1,840	767	1,130	2,340	2,680	1,610	1,400	1,150	725	558	624
22	541	1,040	735	1,060	2,060	2,440	1,590	1,340	1,060	710	539	592
23	538	820	692	1,020	2,060	2,400	1,560	1,300	972	698	519	1,020
24	540	733	878	1,040	3,550	2,720	1,540	1,260	929	704	507	1,510
25	541	688	1,890	3,010	3,490	3,320	1,510	1,220	913	868	489	1,230
26	541	653	2,200	3,510	2,630	2,510	1,490	1,200	898	839	478	943
27	541	623	1,440	1,970	2,160	2,280	1,470	1,510	882	739	626	806
28	535	639	1,190	1,440	2,010	2,160	1,440	1,370	931	698	611	729
29	529	646	1,450	1,370	-----	2,440	1,450	1,360	1,140	666	609	678
30	530	692	2,120	1,270	-----	5,310	1,420	1,500	1,160	747	534	645
31	532	-----	1,770	1,190	-----	4,130	-----	1,490	-----	789	512	-----
TOTAL	17,528	21,433	35,587	49,190	69,790	91,550	57,500	55,260	34,565	26,185	21,467	23,341
MFAN	565	714	1,148	1,587	2,493	2,953	1,917	1,783	1,152	845	692	778
MAX	970	1,840	2,200	3,640	5,700	10,700	2,970	4,180	1,720	1,320	1,040	1,670
MIN	519	520	692	1,020	1,130	1,600	1,420	1,200	882	666	478	443
CFSM	.93	1.18	1.90	2.62	4.12	4.88	3.17	2.95	1.90	1.40	1.14	1.29
IN.	1.08	1.32	2.19	3.02	4.29	5.63	3.54	3.40	2.13	1.61	1.32	1.44

CAL YR 1974 TOTAL 527,635 MEAN 1,446 MAX 9,870 MIN 519 CFSM 2.39 IN 32.44
WTR YR 1975 TOTAL 503,396 MEAN 1,379 MAX 10,700 MIN 443 CFSM 2.28 IN 30.95

PEAK DISCHARGE (BASE, 6,500 CFS)

DATE	TIME	G.H.	DISCHARGE
3-14	1900	19.04	11,900
5-7	1900	16.59	7,620

MOBILE RIVER BASIN

02392000 Etowah River at Canton, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.89	3.54	4.46	5.21	4.65	5.58	3.98	4.45	3.29	4.60	2.29
2	2.62	3.78	3.25	4.35	5.11	4.81	5.26	3.95	4.26	3.17	4.73	2.27
3	2.56	4.34	3.73	4.78	5.34	5.53	5.05	4.15	4.16	3.61	3.97	2.27
4	2.51	4.75	5.26	8.52	5.82	5.11	5.02	4.45	4.08	3.51	3.50	2.26
5	2.51	3.80	5.81	17.81	5.34	4.85	5.03	4.18	4.00	3.71	3.30	2.57
6	2.70	3.42	6.66	10.73	5.24	4.67	4.84	3.90	3.93	3.71	5.67	2.81
7	2.61	3.28	9.59	7.66	5.96	4.58	4.78	3.81	4.36	3.30	4.07	2.46
8	2.48	3.15	10.30	6.52	5.65	4.95	5.61	4.40	4.05	3.18	3.62	2.34
9	2.45	3.06	6.65	6.04	5.30	5.17	5.36	6.23	3.89	3.10	3.28	2.29
10	2.48	3.03	5.66	12.49	5.16	4.76	4.93	4.90	3.96	3.12	3.26	2.27
11	2.47	2.99	5.26	19.83	5.04	4.65	4.83	4.36	3.86	3.08	3.18	2.19
12	2.43	2.95	4.98	16.66	5.07	4.55	4.98	4.13	3.69	2.98	3.11	2.12
13	2.41	2.92	5.00	10.01	6.82	4.50	4.83	5.90	3.64	2.87	3.04	2.10
14	2.40	2.91	4.75	10.09	6.32	4.63	4.70	18.74	3.60	2.82	3.61	2.07
15	2.40	2.87	4.46	8.35	5.65	4.58	4.59	15.35	3.56	2.88	3.16	2.04
16	2.47	2.85	4.58	7.36	5.38	4.59	4.51	8.57	3.50	3.13	2.90	2.07
17	2.82	2.83	6.04	6.82	5.29	5.02	4.46	7.05	3.60	3.08	2.83	2.16
18	2.58	2.79	5.51	6.47	5.33	4.72	4.35	6.35	3.57	3.55	2.80	2.68
19	2.50	2.79	4.90	6.21	5.61	4.65	4.28	5.96	3.47	3.26	2.72	2.75
20	2.46	2.93	5.18	6.02	5.25	4.49	4.25	5.77	4.33	3.05	2.70	2.36
21	2.48	2.91	8.11	5.95	5.04	4.43	4.22	5.86	5.02	2.88	2.80	2.19
22	2.84	2.76	6.19	5.84	4.99	7.77	4.61	5.97	4.03	2.77	2.69	2.12
23	4.37	2.68	5.34	5.78	4.91	6.83	5.29	5.58	3.64	2.71	2.59	2.10
24	4.37	3.01	4.95	5.56	4.90	5.54	4.53	5.28	3.47	2.68	2.62	2.11
25	4.22	3.93	4.72	5.44	4.85	5.17	4.30	5.11	3.39	2.66	2.60	2.09
26	3.53	3.41	4.53	5.23	4.87	5.14	4.18	5.09	3.39	2.65	2.77	2.07
27	3.13	3.21	4.39	5.13	5.05	4.90	4.10	4.83	3.35	2.69	2.89	2.15
28	2.95	3.28	4.26	5.10	4.77	5.94	4.04	4.62	3.41	4.86	2.61	2.55
29	2.85	3.28	4.17	5.17	4.69	6.22	4.01	4.56	3.59	4.79	2.48	2.38
30	2.79	3.88	4.12	5.85	-----	6.39	4.03	4.57	3.45	6.20	2.40	2.67
31	2.75	-----	4.69	5.54	-----	5.74	-----	4.57	-----	4.76	2.33	-----
MEAN	2.80	3.22	5.37	7.80	5.31	5.15	4.69	5.88	3.82	3.36	3.19	2.29
MAX	4.37	4.75	10.30	19.83	6.82	7.77	5.61	18.74	5.02	6.20	5.67	2.81
MIN	2.40	2.68	3.25	4.35	4.69	4.43	4.01	3.81	3.35	2.65	2.33	2.04

WTR YR 1972 MEAN 4.41 MAX 19.83 MIN 2.04

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.89	2.58	3.92	6.37	4.94	4.45	12.56	6.87	7.35	4.95	3.70	3.09
2	2.43	2.49	3.65	5.46	12.98	4.45	8.64	6.57	7.04	4.88	4.20	3.03
3	2.23	4.10	3.49	5.15	10.03	4.78	7.41	6.47	6.70	4.92	3.70	2.94
4	2.15	4.46	3.41	5.87	7.20	5.03	6.89	6.46	6.39	4.87	3.49	2.88
5	2.22	3.36	3.38	5.73	6.35	5.14	6.55	6.12	6.14	4.63	3.44	2.85
6	2.62	2.98	3.54	5.88	5.97	5.14	6.18	5.97	8.65	4.55	3.20	2.84
7	2.39	2.91	3.86	5.63	5.91	5.20	8.40	5.89	9.66	4.48	3.52	2.83
8	2.22	5.05	3.57	6.14	5.93	5.57	12.74	2.57	7.47	4.70	3.60	2.83
9	2.12	4.31	3.44	5.57	6.90	6.08	8.77	11.66	6.78	4.51	3.57	2.78
10	2.05	3.52	3.43	5.17	6.12	6.21	7.56	4.73	6.73	4.34	3.44	2.76
11	2.01	3.21	3.63	4.78	5.69	5.94	6.95	7.33	6.41	4.09	3.82	2.79
12	1.97	3.03	3.69	4.62	5.42	8.05	6.59	7.45	6.18	3.95	3.58	2.67
13	2.00	2.93	3.67	4.53	5.25	6.76	6.36	6.77	6.25	3.88	4.24	2.99
14	2.05	5.23	3.98	4.40	5.48	5.97	6.14	6.38	6.19	3.85	3.75	8.66
15	2.06	4.95	12.64	4.29	6.17	5.62	5.99	6.14	6.01	4.60	4.00	6.15
16	2.02	3.89	16.58	4.15	5.63	7.47	5.89	5.95	6.00	4.54	3.60	4.22
17	2.00	3.47	8.38	4.11	5.32	16.74	5.89	5.87	5.88	4.38	3.68	3.70
18	2.04	3.24	6.45	4.07	5.17	10.80	5.93	5.79	5.87	4.47	5.50	3.72
19	2.08	3.22	5.55	5.20	5.07	7.98	6.03	5.76	5.54	4.31	5.14	3.82
20	2.17	4.54	5.25	4.78	4.99	7.27	6.27	8.51	5.51	4.33	3.98	3.39
21	2.05	4.31	9.05	6.80	4.92	8.49	5.88	7.38	6.38	4.16	3.85	3.23
22	2.01	3.73	12.29	8.50	4.86	7.37	5.69	6.33	7.43	3.85	3.55	3.13
23	2.14	3.46	8.01	6.80	4.81	6.62	5.61	5.97	6.18	3.85	3.42	3.12
24	3.35	3.28	6.55	6.20	4.77	6.24	5.86	7.18	5.58	4.07	3.44	3.10
25	2.98	3.30	5.88	5.82	4.64	6.25	10.35	7.22	5.36	4.36	3.88	2.99
26	2.45	4.18	5.42	5.60	4.57	6.63	9.55	6.35	5.16	4.84	3.29	2.89
27	2.46	4.05	5.10	6.00	4.57	6.20	12.61	6.05	4.98	4.40	3.23	2.88
28	4.31	3.65	4.83	5.24	4.50	5.90	10.08	13.50	4.94	4.20	3.19	3.39
29	3.97	3.54	4.63	4.87	-----	5.88	8.11	14.73	6.05	3.85	3.12	3.63
30	3.12	3.55	4.46	4.64	-----	6.12	7.32	9.42	5.15	3.65	3.07	3.72
31	2.76	-----	5.95	4.74	-----	9.75	-----	7.99	-----	3.56	3.05	-----
MFAN	2.43	3.68	5.73	5.39	5.86	6.78	7.63	7.46	6.34	4.33	3.67	3.43
MAX	4.31	5.23	16.58	8.50	12.98	16.74	12.74	14.73	9.66	4.95	5.50	8.66
MIN	1.97	2.49	3.38	4.07	4.50	4.45	5.61	5.76	4.98	3.56	3.05	2.67
WTR YR 1973 MFAN 5.22 MAX 16.74 MIN 1.97												

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.57	3.23	4.14	15.26	6.13	5.85	5.68	4.70	5.00	3.28	2.78	3.58
2	4.24	3.15	3.85	4.27	5.38	5.78	6.58	4.75	5.56	3.23	2.81	3.59
3	4.14	2.80	3.63	7.30	6.71	5.60	6.78	4.08	5.35	3.24	3.21	3.34
4	3.55	2.83	3.52	4.32	6.46	5.60	13.01	5.20	4.75	3.91	4.41	3.22
5	3.31	2.78	4.85	1.56	5.01	5.54	10.42	5.26	4.52	6.04	4.12	3.14
6	3.15	2.73	4.23	6.62	5.96	5.68	9.17	5.97	4.41	4.74	3.43	3.05
7	3.03	2.69	5.45	4.41	5.71	5.48	7.62	5.49	4.78	4.22	3.31	3.31
8	2.94	2.73	4.86	7.67	7.78	5.33	7.21	5.02	5.10	4.60	4.24	3.18
9	2.84	2.65	4.45	6.75	6.24	5.20	7.31	4.43	4.71	4.10	6.43	3.06
10	2.80	2.60	4.18	7.10	6.41	5.05	6.52	4.78	4.50	3.78	4.48	2.91
11	3.00	2.74	3.46	6.60	6.12	5.04	6.18	4.40	4.85	3.56	3.86	2.88
12	2.94	2.68	3.81	7.45	5.48	5.10	5.46	4.34	4.34	3.44	3.90	2.90
13	2.92	2.68	3.78	6.62	5.69	4.97	4.23	5.90	4.28	3.34	3.94	3.49
14	2.84	2.68	3.44	6.21	5.64	4.86	4.36	5.04	4.14	3.27	3.55	3.26
15	2.81	2.68	3.72	7.66	6.91	4.83	8.57	4.80	4.06	3.14	3.42	2.99
16	2.85	2.93	3.43	7.05	8.64	4.92	6.94	4.95	4.01	3.10	3.91	2.89
17	2.81	3.16	3.62	6.41	4.41	4.44	6.40	4.76	3.91	3.24	4.88	2.86
18	2.73	2.83	3.48	5.40	7.35	4.70	6.07	4.65	3.80	3.13	5.42	2.81
19	2.70	2.76	3.43	5.71	6.93	4.70	5.47	4.47	3.78	3.02	4.40	2.76
20	2.70	2.72	3.53	5.55	6.71	4.45	5.64	4.85	3.71	3.00	3.40	2.69
21	2.82	3.68	4.26	7.33	6.25	5.56	5.55	4.61	3.66	2.94	3.57	2.66
22	2.66	6.02	3.95	6.72	4.93	5.25	5.48	4.66	3.67	2.25	3.55	2.69
23	2.65	4.14	3.70	5.96	8.41	5.12	5.71	6.42	3.62	2.82	3.49	2.66
24	2.85	4.57	3.60	5.76	7.06	4.97	5.46	6.37	3.60	3.01	3.34	2.61
25	2.65	3.35	3.52	6.01	6.55	4.80	5.25	5.10	3.53	3.43	3.20	2.55
26	2.83	3.24	5.13	6.12	6.24	4.79	5.15	4.68	3.45	3.95	3.09	2.62
27	2.62	3.23	4.12	4.35	5.06	4.81	4.38	3.42	3.45	3.07	2.64	
28	2.64	5.45	6.11	4.03	5.94	4.73	4.97	5.91	3.72	3.71	3.07	2.71
29	3.20	7.63	5.10	4.20	-----	6.28	4.84	4.92	3.54	3.24	3.04	2.83
30	3.06	4.07	5.20	7.11	-----	4.65	4.42	4.74	3.36	3.03	3.34	2.65
31	2.84	-----	8.28	6.49	-----	6.52	-----	4.50	-----	2.88	3.94	-----
MEAN	3.04	3.41	4.75	7.74	6.78	5.38	6.22	5.17	4.18	3.53	3.79	2.97
MAX	4.40	7.63	4.12	15.26	4.41	9.65	10.82	6.97	5.56	6.04	6.43	3.99
MIN	2.62	2.68	3.43	5.55	5.64	4.70	4.82	4.46	3.36	2.82	2.78	2.55
CAI YR 1973	MEAN 5.17			MAX 16.74	MIN 2.62							
WTR YR 1974	MEAN 4.76			MAX 16.42	MIN 2.55							

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.47	2.38	5.17	4.79	4.32	5.95	7.87	5.54	4.91	3.71	3.79	2.54
2	2.43	2.38	4.51	4.33	4.29	5.89	7.77	7.12	4.60	4.01	3.72	2.55
3	2.38	2.37	3.72	4.02	5.12	5.68	7.48	5.78	4.25	4.40	3.15	2.31
4	2.38	2.36	3.38	4.29	7.08	5.51	6.96	6.13	4.09	3.74	3.03	2.23
5	2.41	2.45	3.21	4.33	12.31	5.41	6.64	5.43	3.99	3.53	3.70	2.15
6	2.41	2.78	3.10	4.01	9.26	5.36	6.44	5.09	4.00	3.46	3.46	2.19
7	2.40	2.58	3.14	3.86	7.20	5.32	6.38	9.34	4.18	3.49	3.72	2.48
8	2.39	2.41	5.34	3.82	6.24	5.77	6.29	8.46	4.01	3.50	3.38	5.24
9	2.38	2.40	5.32	4.25	5.74	5.39	6.28	6.26	3.81	3.42	3.12	3.73
10	2.39	2.39	4.17	4.07	5.42	5.32	6.46	5.74	3.78	3.27	3.00	2.92
11	2.36	2.39	3.71	7.86	5.18	5.63	6.08	5.31	4.41	3.33	3.26	3.95
12	2.34	2.77	3.51	7.08	7.03	6.61	5.89	5.06	5.29	3.24	3.17	3.30
13	2.36	2.86	3.39	9.09	6.98	9.05	5.82	5.02	4.84	3.11	2.92	3.34
14	2.35	2.58	3.25	6.63	5.78	17.90	5.94	4.81	4.19	3.01	2.78	3.01
15	2.35	2.64	3.26	5.54	5.36	14.04	6.00	4.92	3.94	2.98	2.70	2.71
16	2.96	2.61	3.79	5.01	6.30	9.14	5.69	6.21	3.95	3.39	2.64	2.57
17	3.59	2.52	3.53	4.65	8.67	8.13	5.54	5.55	3.81	3.08	2.59	2.59
18	2.81	2.88	3.27	4.40	7.52	7.60	5.52	5.80	3.67	3.02	2.56	3.25
19	2.59	3.19	3.19	4.28	11.16	9.04	5.55	5.13	3.65	2.98	2.55	3.55
20	2.51	5.37	3.23	4.30	8.07	8.47	5.31	4.80	4.11	2.90	2.55	3.00
21	2.44	5.59	3.13	4.21	6.84	7.44	5.21	4.61	4.00	2.92	2.50	2.74
22	2.42	3.82	3.04	4.02	6.26	6.99	5.19	4.49	3.77	2.89	2.45	2.65
23	2.41	3.25	2.92	3.92	6.26	6.91	5.22	4.38	3.56	2.86	2.39	3.80
24	2.41	3.01	3.42	3.98	8.96	7.43	5.03	4.29	3.45	2.87	2.35	4.96
25	2.42	2.88	5.76	7.84	8.89	8.56	5.07	4.20	3.41	3.33	2.29	4.32
26	2.42	2.78	6.40	8.94	6.70	7.13	5.24	4.14	3.37	3.25	2.25	3.63
27	2.42	2.69	4.82	6.14	6.47	6.56	5.04	4.84	3.33	2.97	2.71	3.27
28	2.40	2.74	4.26	4.96	6.17	6.32	4.81	4.52	3.45	2.87	2.67	3.06
29	2.38	2.76	4.84	4.88	-----	6.88	4.82	4.62	3.97	2.77	2.66	2.88
30	2.38	2.89	6.16	4.65	-----	11.59	4.70	4.81	4.15	3.01	2.44	2.81
31	2.39	-----	5.53	4.45	-----	9.80	-----	4.78	-----	3.12	2.37	-----
MEAN	2.48	2.89	4.05	5.12	6.99	7.64	5.87	5.39	4.00	3.24	2.87	3.12
MAX	3.59	5.59	6.40	9.09	12.31	17.90	7.87	9.34	5.29	4.60	3.79	5.24
MIN	2.34	2.36	2.92	3.82	4.29	5.32	4.70	4.14	3.33	2.77	2.25	2.15
WTR YR 1975 MEAN 4.46 MAX 17.90 MIN 2.15												

MOBILE RIVER BASIN

02392000 Etowah River at Canton, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
DEC. 16...	1035	1100	7.0	3.5	12.8
MAR. 17...	0900	3130	6.8	9.0	10.9
JUNE 10...	0845	1040	6.8	19.5	8.0
SEP. 02...	0830	584	6.9	21.0	8.1

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
DEC. 16...	11	.15	<.02	.03	10
MAR. 17...	8	.19	<.04	.08	10
JUNE 10...	11	.19	<.02	<.02	11
SEP. 02...	14	.11	<.02	.04	10

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 16...	32	20	15	1.0	150	3.0
MAR. 17...	24	60	54	.9	2300	3.0
JUNE 10...	21	10	12	.4	150	1.0
SEP. 02...	30	20	14	<.1	430	3.0

DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
DEC. 30...	1100	2170	196	1150
JAN. 28...	1305	1540	65	270

02392000 Etowah River at Canton, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	16.0	16.0	14.5	6.0	6.0	12.5	11.0	12.5	12.0	9.5	9.0
2	15.5	14.0	16.0	14.5	6.0	5.0	11.0	8.5	12.0	11.5	9.0	8.0
3	14.0	12.5	16.0	14.5	5.5	4.5	8.5	7.0	11.5	9.5	7.5	6.5
4	13.0	11.5	15.5	14.5	5.0	4.5	7.5	7.0	9.0	7.0	6.5	5.5
5	13.0	11.0	15.5	15.0	5.0	4.0	7.0	6.0	7.5	7.0	7.0	6.0
6	13.5	11.0	15.0	13.0	4.5	4.0	6.5	5.5	8.5	7.5	8.5	6.5
7	14.0	12.0	13.0	12.0	5.0	4.5	6.5	5.5	8.0	7.0	9.5	8.0
8	15.0	13.0	12.0	11.0	6.5	5.5	7.0	6.5	7.0	6.0	9.5	9.0
9	14.5	13.0	11.5	10.0	7.0	6.0	8.0	7.0	6.5	6.0	9.0	7.5
10	14.5	13.0	11.0	9.5	6.0	4.5	10.0	8.5	6.5	5.5	8.0	7.5
11	15.0	12.5	10.0	9.5	4.5	4.0	10.5	10.0	8.5	6.5	7.5	7.0
12	15.0	13.5	10.5	9.5	6.5	4.5	10.0	8.5	10.5	8.5	9.5	7.5
13	16.0	14.0	9.5	8.5	7.0	6.0	8.5	7.0	10.5	9.5	11.5	9.5
14	16.5	14.5	8.5	7.5	6.5	5.5	7.0	5.0	9.5	8.5	12.0	10.5
15	16.5	15.5	7.5	6.5	6.0	5.5	4.5	4.0	9.5	8.5	10.0	9.0
16	16.5	16.0	7.0	6.0	6.5	6.0	5.0	4.0	10.5	9.5	9.5	9.5
17	16.0	15.0	8.0	6.5	6.0	4.5	5.0	4.5	11.5	10.5	11.0	9.5
18	15.0	14.0	9.5	8.0	4.5	3.5	6.0	5.0	11.5	11.0	11.0	10.5
19	14.5	13.0	11.5	9.5	4.0	3.5	8.0	6.0	11.0	11.0	10.5	9.5
20	13.0	12.0	13.0	11.0	5.5	4.0	8.5	7.5	11.0	10.0	11.0	9.5
21	12.0	10.5	12.5	10.5	6.5	5.5	7.5	7.0	10.0	9.0	12.0	10.5
22	11.0	9.5	10.0	9.0	6.0	5.0	7.0	6.0	9.0	9.0	13.0	12.0
23	10.5	9.0	8.5	8.0	5.5	5.0	7.5	6.5	10.5	9.0	13.0	12.5
24	10.5	9.0	8.5	7.5	7.0	5.5	8.0	7.5	11.0	10.5	14.0	13.0
25	11.5	9.5	8.0	8.5	10.0	7.0	9.0	8.0	10.5	9.5	13.5	12.0
26	13.0	10.5	8.0	7.0	10.0	8.5	9.0	8.5	9.5	9.0	12.0	11.0
27	14.0	12.5	7.0	6.0	8.5	8.0	8.5	7.5	9.5	9.0	11.5	10.5
28	14.0	12.5	6.0	5.0	9.0	8.0	9.0	8.0	9.5	9.0	12.0	11.0
29	14.5	13.0	7.5	4.5	10.0	9.0	11.0	9.0	---	---	---	---
30	15.5	14.0	8.0	5.0	11.0	10.0	12.0	11.0	---	---	---	---
31	16.0	14.5	---	---	12.5	11.0	12.5	11.5	---	---	---	---
MONTH	17.0	9.0	15.0	4.5	12.5	3.5	12.5	4.0	12.5	5.5	14.0	5.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	18.0	17.5	20.0	19.0	22.5	21.5	22.0	21.0	22.5	21.0
2	---	---	18.0	16.5	20.5	19.0	22.5	21.5	22.5	21.0	22.5	21.0
3	---	---	17.5	17.0	20.0	18.5	22.0	20.5	23.5	22.0	23.5	21.0
4	---	---	17.5	16.5	20.5	18.5	22.5	21.0	23.0	22.5	24.0	21.5
5	---	---	17.5	16.0	20.0	19.0	22.5	22.0	22.5	22.5	24.5	22.0
6	---	---	18.5	18.0	20.0	19.5	22.5	21.0	22.5	22.0	23.0	21.5
7	---	---	18.5	18.0	20.0	19.5	21.0	20.5	22.0	20.5	21.5	20.5
8	---	---	18.0	18.0	21.0	19.0	21.5	20.5	21.5	20.5	20.5	19.5
9	---	---	17.5	16.0	20.5	19.5	22.0	21.0	21.5	21.0	21.0	19.5
10	---	---	18.5	17.0	20.0	19.5	22.5	22.0	21.5	21.0	22.0	21.0
11	---	---	18.5	17.5	19.5	18.5	22.0	21.5	22.0	20.5	21.0	20.0
12	---	---	18.5	17.5	19.5	18.5	22.5	21.5	22.5	21.0	21.5	20.5
13	---	---	18.5	17.0	20.5	18.5	22.0	21.0	23.5	22.0	20.5	19.5
14	---	---	18.0	17.0	20.5	19.0	21.5	20.5	23.5	22.5	19.5	18.5
15	---	---	18.0	17.0	20.5	19.5	22.0	21.0	24.5	22.5	18.5	17.5
16	---	---	17.5	17.0	21.0	19.5	22.5	21.5	24.0	23.0	18.0	17.5
17	---	---	17.5	17.0	21.5	20.0	22.0	21.5	24.5	23.0	---	---
18	---	---	18.5	17.0	22.0	20.5	22.5	21.5	24.0	22.5	---	---
19	---	---	17.0	17.5	22.0	21.0	22.5	22.0	24.0	22.5	---	---
20	---	---	19.5	18.0	21.5	20.0	23.5	22.0	24.0	22.0	---	---
21	---	---	20.0	18.5	22.0	20.5	23.5	22.5	24.0	22.0	---	---
22	---	---	---	---	22.0	21.0	24.0	22.5	24.0	22.0	---	---
23	---	---	---	---	21.5	20.5	24.0	23.0	25.0	22.5	---	---
24	---	---	---	---	21.5	20.0	23.5	22.5	25.0	23.0	---	---
25	---	---	---	---	21.5	20.5	23.0	22.5	25.0	22.5	---	---
26	---	---	---	---	22.0	21.0	23.0	22.5	25.0	23.0	---	---
27	---	---	---	---	22.5	21.5	23.5	22.5	23.5	22.0	---	---
28	---	---	---	---	22.5	21.5	23.5	22.5	22.5	21.5	---	---
29	---	---	---	---	22.0	21.0	24.0	22.5	23.0	21.0	---	---
30	18.5	17.5	17.5	18.0	22.5	21.5	23.0	22.0	22.5	21.5	---	---
31	---	---	18.5	19.0	---	---	22.0	21.5	22.5	21.0	---	---
MONTH	---	---	---	---	22.5	18.5	24.0	20.5	25.0	20.5	---	---

02392500 Little River near Roswell, Ga.

LOCATION.--Lat 34°07'09", long 84°23'18", Fulton County, on upstream side of bridge on State Highway 140, 1 mi (1.6 km) downstream from Cooper Sandy Creek, and 7 mi (11.3 km) north of Roswell.

DRAINAGE AREA.--60.5 mi² (157 km²).

PERIOD OF RECORD.--Discharge: January 1947 to current year. Monthly discharge only for some periods, published in WSP 1304.
Water temperature: February 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 894.8 ft (272.74 m) above mean sea level (Levels by Georgia Department of Transportation). Prior to July 25, 1949, nonrecording gage, and July 25, 1949 to Sept. 30, 1965, water-stage recorder at site 500 ft (152 m) upstream at datum 3.00 ft (.914 m) higher.

AVERAGE DISCHARGE.--28 years, 83.4 ft³/s (2.36 m³/s), 18.72 in/yr (475.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,910 ft³/s (54.1 m³/s) Mar. 14, gage height, 9.27 ft (2.825 m); minimum daily, 22 ft³/s (.62 m³/s) Oct. 3, 4, 7-14, Sept. 5. Maximum water temperature, 28.5°C July 22; minimum recorded, 3.0°C Dec. 5, 6.
Period of record: Maximum discharge, 4,040 ft³/s (114 m³/s) Feb. 21, 1961, gage height, 15.6 ft (4.75 m); minimum daily, 2.1 ft³/s (.59 l/s) Sept. 22-24, 1955. Maximum water temperature, 31.0°C July 22, 1972; minimum, 1.0°C Feb. 14, 1972.
Maximum stage known since at least 1890, 18.0 ft (5.49 m), former site and datum, in January 1946, from information by local resident, discharge, 5,000 ft³/s (142 m³/s), from rating curve extended above 2,600 ft³/s (73.6 m³/s).

REMARKS.--Records good. Runoff affected at times by several flood-detention reservoirs upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	27	109	130	78	96	120	124	85	76	125	43
2	23	26	58	97	80	94	114	110	64	70	82	32
3	22	26	44	86	149	86	117	124	55	101	57	29
4	22	26	40	123	455	85	99	113	51	71	112	25
5	23	36	37	95	528	82	94	82	50	58	101	22
6	23	33	36	81	338	80	92	73	56	58	101	24
7	22	28	61	72	223	88	90	608	59	70	161	37
8	22	28	292	93	163	100	88	377	60	65	212	56
9	22	28	119	111	128	81	106	292	48	75	97	37
10	22	27	69	160	107	85	136	223	57	73	296	30
11	22	31	56	447	97	98	104	138	150	76	298	37
12	22	44	53	388	174	135	91	110	106	74	148	56
13	22	31	47	383	128	1,050	85	103	77	58	103	63
14	22	32	44	233	102	1,080	105	95	64	45	77	35
15	24	37	76	150	93	459	110	120	58	44	65	25
16	58	32	91	113	242	415	92	136	57	42	59	24
17	36	31	62	95	278	360	87	154	52	52	54	34
18	29	54	51	84	193	373	83	136	49	67	48	100
19	26	45	56	81	174	433	81	110	79	44	46	73
20	25	102	57	82	136	300	78	96	131	47	44	43
21	25	70	52	71	115	235	75	87	83	55	40	34
22	25	42	47	67	108	209	74	81	67	43	38	37
23	25	36	44	67	135	175	73	77	58	41	36	88
24	26	34	129	99	284	237	73	74	55	47	34	103
25	26	33	187	549	173	205	73	68	54	77	32	65
26	26	32	150	336	128	150	70	66	51	51	38	53
27	26	31	98	202	110	124	66	68	50	44	40	48
28	26	31	88	127	100	115	64	68	62	41	36	45
29	26	31	176	102	-----	116	62	95	107	49	34	42
30	26	74	229	91	-----	186	69	78	110	68	31	40
31	27	-----	198	83	-----	141	-----	70	-----	76	41	-----
TOTAL	794	1,138	2,856	4,898	5,019	7,473	2,671	4,156	2,105	1,858	2,686	1,380
MEAN	25.6	37.9	92.1	158	179	241	89.0	134	70.2	59.9	86.6	46.0
MAX	58	102	292	549	528	1,080	136	608	150	101	298	103
MIN	22	26	36	67	78	80	62	66	48	41	31	22
CFSM	.42	.63	1.52	2.61	2.96	3.98	1.47	2.21	1.16	.99	1.43	.76
IN.	.49	.70	1.76	3.01	3.09	4.59	1.64	2.56	1.29	1.14	1.65	.85
CAL YR 1974	TOTAL 33,519	MEAN 91.8	MAX 1,180	MIN 22	CFSM 1.52	IN 20.61						
WTR YR 1975	TOTAL 37,034	MEAN 101	MAX 1,080	MIN 22	CFSM 1.67	IN 22.77						

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-25	1200	6.48	994	5-7	1300	7.31	1,240
3-14	0330	9.27	1,910				

02392500 Little River near Roswell, Ga.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	---	19.0	11.5	6.5	5.5	11.5	10.5	13.0	10.0	11.0	6.5
2	16.5	10.5	18.5	11.5	5.5	5.0	9.5	6.5	11.0	9.5	8.5	5.5
3	15.5	8.0	18.5	11.5	7.0	4.5	9.0	6.5	9.5	8.0	10.5	4.5
4	15.5	8.0	16.5	11.0	8.0	3.5	9.5	8.5	7.0	6.0	11.0	8.0
5	16.0	8.0	17.0	13.0	8.0	3.0	9.0	5.0	7.0	6.0	10.5	5.5
6	17.0	9.0	20.5	10.5	7.0	3.0	9.5	6.5	8.5	6.0	11.5	5.5
7	18.0	10.0	14.0	8.5	6.5	6.0	9.0	5.0	7.0	5.5	11.0	7.0
8	17.0	11.5	14.0	10.0	7.0	6.5	8.5	8.0	9.0	4.5	11.5	7.0
9	17.0	10.0	13.5	8.0	7.0	5.5	9.5	8.0	8.0	5.5	11.0	6.0
10	17.0	10.0	13.5	7.0	7.0	3.5	12.0	9.5	8.5	4.0	8.5	7.0
11	18.0	10.0	11.5	8.5	8.0	4.5	12.0	9.0	11.0	9.0	10.5	8.0
12	18.5	11.5	11.5	9.5	9.0	7.0	9.0	8.0	11.0	8.5	11.0	9.0
13	19.5	13.5	11.5	6.5	8.5	5.5	8.0	6.0	11.0	6.5	13.0	9.0
14	19.0	13.5	9.0	6.5	8.5	4.0	6.5	4.5	11.0	6.0	12.0	9.0
15	19.0	14.0	9.5	5.5	6.5	6.0	8.0	4.0	12.0	7.0	11.5	8.5
16	17.0	14.5	10.0	4.5	9.0	6.5	8.0	4.5	11.0	9.0	10.0	9.5
17	18.0	11.5	12.0	8.5	6.0	4.5	8.0	4.5	---	10.5	12.0	9.0
18	18.0	10.5	12.0	10.5	6.5	3.0	8.5	5.5	---	10.0	10.5	8.5
19	15.5	10.5	13.5	11.5	6.5	5.0	10.5	6.5	---	10.0	10.0	8.5
20	14.5	8.0	14.5	9.5	8.0	6.5	9.0	5.5	---	8.0	13.0	8.5
21	19.5	8.0	11.5	8.0	9.0	6.0	8.0	5.0	---	7.0	14.5	9.0
22	13.5	6.5	11.0	6.5	8.5	4.0	9.5	5.5	---	8.5	15.0	9.5
23	13.5	6.0	11.0	5.5	9.0	4.5	9.0	6.5	---	9.5	15.5	10.5
24	14.0	7.0	11.5	6.0	9.5	8.0	9.0	8.0	---	9.0	15.0	12.0
25	20.5	8.5	9.5	7.0	11.0	8.0	10.0	8.5	11.5	8.0	14.0	10.5
26	21.5	9.5	9.5	4.5	8.5	6.5	9.5	8.5	10.5	7.0	14.5	9.0
27	16.5	10.5	9.0	4.0	9.5	8.0	10.5	6.5	11.0	6.5	14.5	9.5
28	21.5	10.5	9.0	4.0	11.0	9.5	11.5	7.0	10.5	7.0	14.0	10.5
29	22.0	11.0	8.5	3.5	10.0	9.5	13.5	8.0	---	---	15.0	12.0
30	19.0	13.5	7.0	6.0	11.5	10.0	14.0	9.5	---	---	14.5	11.0
31	18.5	11.5	---	---	13.0	11.0	14.0	10.0	---	---	14.0	9.0
MONTH	22.0	6.0	20.5	3.5	13.0	3.0	14.0	4.0	---	4.0	15.5	4.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	10.0	20.0	18.0	24.0	19.5	27.0	22.0	23.5	21.0	25.5	21.0
2	14.0	11.5	23.0	17.0	24.0	18.0	25.0	21.5	25.5	21.0	25.0	19.5
3	13.5	10.0	20.0	16.5	23.5	17.0	25.0	21.0	28.0	21.0	26.0	19.5
4	14.5	8.0	20.5	16.5	25.0	18.0	25.5	21.0	24.5	21.5	27.0	20.0
5	15.5	8.5	19.0	14.5	24.5	18.5	27.0	21.0	24.5	21.5	28.0	21.0
6	15.5	8.5	21.0	14.0	23.5	19.5	23.5	21.0	23.5	22.0	23.5	21.0
7	16.0	8.5	19.0	15.5	23.5	20.0	24.0	21.0	23.5	21.0	23.0	20.5
8	14.0	10.5	17.0	16.0	24.5	19.0	25.5	21.0	23.5	21.0	24.0	20.5
9	14.0	10.5	19.5	16.0	22.0	18.5	26.0	20.5	24.0	21.0	25.5	20.0
10	15.0	13.0	20.5	17.0	23.0	19.5	25.5	21.0	23.5	21.0	25.5	20.5
11	18.0	11.5	21.0	16.0	21.0	20.0	25.5	21.5	24.0	21.0	24.5	21.0
12	17.0	10.5	21.5	16.5	23.5	20.0	25.0	20.5	25.5	21.0	23.5	20.5
13	16.5	9.5	22.0	17.0	24.0	18.5	25.0	20.0	25.5	21.0	22.0	19.0
14	14.5	11.5	21.0	16.0	24.5	18.0	24.5	18.5	26.0	21.0	21.0	18.0
15	16.0	11.5	20.0	18.5	23.0	19.5	25.5	20.5	26.5	21.5	20.5	15.0
16	18.0	10.0	21.0	17.0	24.5	19.5	25.5	21.0	26.5	21.5	20.5	16.5
17	19.0	11.0	19.5	18.0	25.5	19.0	25.5	20.5	26.5	23.0	19.0	18.5
18	19.5	12.0	21.0	18.0	27.0	20.0	26.0	21.5	26.5	21.0	21.0	19.0
19	18.5	15.0	23.0	16.5	26.0	20.5	26.0	21.5	26.5	21.5	22.0	18.0
20	19.0	12.0	23.5	17.0	24.5	20.5	28.0	21.0	26.5	21.0	23.0	18.0
21	20.0	11.0	24.0	18.0	25.5	20.5	27.0	22.0	26.0	21.0	21.5	18.0
22	20.5	11.5	25.0	19.0	24.5	20.0	28.5	21.5	26.0	21.0	19.0	18.0
23	20.5	13.0	25.5	19.5	24.5	19.0	26.5	23.0	27.0	21.5	20.0	18.5
24	20.5	14.5	26.0	19.5	23.5	18.5	25.5	22.0	27.0	21.0	19.0	18.0
25	21.5	16.5	26.0	19.5	25.5	19.5	26.5	22.0	27.0	21.5	18.0	15.0
26	23.5	15.5	23.5	19.5	25.5	21.0	27.0	22.0	26.5	21.5	18.0	14.0
27	23.5	16.0	24.5	18.5	25.5	20.5	27.0	22.0	26.5	21.0	19.5	14.0
28	23.5	16.5	23.5	19.0	26.0	20.5	27.0	22.0	25.0	21.5	18.5	13.5
29	20.5	16.5	22.0	19.5	26.0	21.5	26.0	23.0	25.5	20.5	19.0	14.0
30	21.5	16.5	24.0	19.5	26.5	22.0	24.5	21.5	24.5	20.5	19.5	14.5
31	---	---	23.0	20.0	---	---	23.0	21.0	---	---	---	---
MONTH	23.5	8.0	26.0	14.0	27.0	17.0	28.5	18.5	28.0	20.5	28.0	13.5

02394000 Etowah River at Allatoona Dam, above Cartersville, Ga.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, on right bank 0.8 mi (1.3 km) downstream from Allatoona Dam, 2 mi (3.2 km) upstream from Nashville, Chattanooga & St. Louis Railway bridge, and 3 mi (4.8 km) east of Cartersville.

DRAINAGE AREA.--1,110 mi² (2,870 km²), approximately.

PERIOD OF RECORD.--Discharge: September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville. Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft (209.37 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 1,862 ft³/s (52.7 m³/s), 22.78 in/yr (578.6 mm/yr), adjusted for storage since 1950.

EXTREMES.--Current year: Maximum discharge, 8,870 ft³/s (251 m³/s) Jan. 17, gage height, 6.98 ft (2.128 m); minimum daily, 235 ft³/s (6.66 m³/s) Mar. 8, 9, July 19, 26, Aug. 2.

Period of record: Maximum discharge, 40,400 ft³/s (1,140 m³/s) Jan. 8, 1946, gage height, 20.8 ft (6.34 m), from rating curve extended above 26,000 ft³/s (736 m³/s); minimum daily, 152 ft³/s (4.30 m³/s) Oct. 15, 1966.

REMARKS.--Flow regulated by Allatoona Lake since December 1949 (see sta. 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

COOPERATION.--Gage-height record, 12 discharge measurements, and computation of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1032: 1944.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,040	3,070	1,460	3,550	2,560	5,230	1,590	1,230	273	1,500	1,610	1,040
2	1,070	1,380	4,060	5,090	263	1,750	2,850	1,750	2,850	1,480	235	2,290
3	1,230	1,420	3,180	5,080	4,080	5,400	3,810	263	2,920	1,470	541	3,200
4	1,230	1,360	3,180	263	4,740	5,400	7,010	263	3,010	1,470	2,180	4,450
5	1,230	1,410	3,180	263	5,510	5,400	8,510	2,460	2,910	253	2,180	617
6	1,230	1,230	3,150	2,480	1,460	2,400	5,940	4,920	3,030	253	2,180	263
7	1,250	1,230	1,470	2,530	3,380	4,200	5,700	4,880	1,930	1,860	2,710	586
8	1,230	1,400	1,470	2,590	4,750	235	5,690	4,900	283	1,850	1,770	933
9	1,250	1,410	2,480	3,290	1,780	235	5,690	4,910	1,300	1,870	244	253
10	1,230	1,410	3,040	2,450	244	1,800	5,610	253	2,360	2,340	565	2,020
11	1,640	1,390	3,060	263	244	1,800	5,560	253	2,870	1,360	1,800	2,000
12	1,290	1,390	2,910	263	266	3,100	5,260	4,090	2,400	253	1,980	1,140
13	1,290	1,390	3,080	2,930	1,470	3,100	273	4,180	5,430	253	3,920	577
14	1,290	1,310	1,460	5,550	5,100	1,090	5,490	4,180	273	1,990	3,050	244
15	1,290	1,540	1,480	5,850	5,140	244	5,550	4,140	273	2,000	3,600	867
16	1,270	1,410	2,610	5,850	1,880	1,830	5,540	4,160	2,230	2,000	253	724
17	1,270	1,390	2,550	5,850	5,410	5,260	3,320	253	2,360	2,000	893	1,440
18	1,270	1,390	2,550	263	5,390	5,280	3,440	253	2,670	2,030	1,340	1,840
19	1,280	1,390	2,610	253	2,080	5,340	263	4,570	2,620	235	1,560	2,490
20	1,280	1,390	2,610	2,490	5,350	5,430	263	5,230	1,270	247	1,390	2,110
21	1,300	1,390	273	3,990	5,400	5,450	2,330	5,260	253	1,840	1,880	562
22	1,290	1,390	1,510	253	5,230	5,240	3,470	4,360	253	1,860	1,880	1,450
23	1,290	1,130	1,780	253	1,800	1,940	1,120	3,660	1,220	2,760	253	241
24	1,300	481	1,720	253	1,600	5,600	1,870	253	1,220	3,100	567	253
25	1,320	4,450	1,100	263	5,400	5,540	596	253	892	1,610	2,540	260
26	1,360	4,450	3,560	665	5,400	5,540	253	1,220	273	235	2,570	253
27	1,360	4,450	5,600	2,100	5,400	5,540	2,650	1,240	1,210	549	3,530	244
28	1,330	1,480	2,170	3,200	5,400	5,540	2,610	1,290	263	2,740	2,570	568
29	1,330	770	283	2,990	-----	5,540	1,700	1,230	641	531	2,600	1,810
30	1,340	1,460	4,050	5,430	-----	953	1,680	1,220	2,670	541	263	3,180
31	2,370	-----	4,170	5,460	-----	1,570	-----	263	-----	536	599	-----
TOTAL	40,800	52,761	74,416	82,005	92,731	112,977	105,638	77,387	52,157	43,016	53,253	37,905
MEAN	1,316	1,759	2,530	2,645	3,312	3,644	3,521	2,496	1,739	1,388	1,718	1,264
MAX	2,370	4,450	5,600	5,850	5,410	5,600	8,510	5,260	5,430	3,100	3,920	4,450
MIN	1,070	770	273	253	244	235	253	253	253	235	235	241
(†)	-579	-550	-353	+338	+1,097	+1,540	-536	+263	-7	-88	-546	-86
MEAN‡	737	1,209	2,177	2,983	4,409	5,184	2,985	2,759	1,732	1,300	1,172	1,178
CFSM‡	.66	1.09	1.96	2.69	3.97	4.67	2.69	2.49	1.56	1.17	1.06	1.06
IN‡	.76	1.22	2.26	3.10	4.13	5.38	3.00	2.87	1.74	1.35	1.22	1.18

CAL YR 1974 TOTAL 874,639 MEAN 2,407 MAX 8,720 MIN 226 MEAN‡ 2,363 CFSM‡ 2.13 IN‡ 28.91

WTR YR 1975 TOTAL 824,046 MEAN 2,271 MAX 8,510 MIN 235 MEAN‡ 2,307 CFSM‡ 2.08 IN‡ 28.24

† Change in contents, equivalent in cubic feet per second, in Allatoona Lake; furnished by Corps of Engineers.

‡ Adjusted for change in contents in Allatoona Lake.

02394000 Etowah River at Allatoona Dam, above Cartersville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
11...	1040	3970	6.9	16.0	7.2
DEC.					
16...	1200	406	6.9	8.5	11.2
FEB.					
03...	0910	7910	6.3	6.0	11.5
MAR.					
17...	1030	7740	6.9	9.0	11.0
APR.					
28...	0945	263	7.1	14.0	10.9
JUNE					
09...	1545	7350	6.5	19.0	6.7
JULY					
23...	1300	217	6.7	22.5	--
SEP.					
02...	1015	263	6.8	24.0	5.7

DATE	TOTAL IRON (PP) (UG/L)	TOTAL MAN- GANESE (PP) (UG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
NOV.							
11...	230	<50	13	.04	.03	.04	<.02
DEC.							
16...	550	<50	15	.11	.06	.08	<.02
FEB.							
03...	1100	<50	12	.24	.04	.05	.04
MAR.							
17...	1100	<50	9	.23	<.04	--	.03
APR.							
28...	980	<50	10	.18	<.02	--	.02
JUNE							
09...	280	80	14	.17	.03	.04	<.02
JULY							
23...	100	80	14	.11	.04	.05	<.05
SEP.							
02...	200	220	17	.07	.36	.46	.02

DATE	HAZAR- DOUS (CAL MG) (MG/L)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MOS)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (C BIRTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.							
11...	13	41	5	6	.7	<30	2.0
DEC.							
16...	12	40	10	11	.7	<30	3.0
FEB.							
03...	12	37	35	23	.6	--	3.0
MAR.							
17...	11	34	40	26	.8	<30	2.0
APR.							
28...	12	32	60	22	.4	<30	2.0
JUNE							
09...	12	27	10	11	.3	91	1.0
JULY							
23...	14	38	<5	2	.1	<30	1.0
SEP.							
02...	11	34	10	2	.5	73	4.0

MOBILE RIVER BASIN

02394980 Etowah River near Euharlee, Ga.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, at Harden Bridge on county road, 1,000 ft (305 m) downstream from Ashpole Creek, and 3 mi (4.8 km) north of Euharlee.

DRAINAGE AREA.--1,600 mi² (4,100 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 19...	0955	724	7.8	23.5	7.4
SEP. 30...	1400	718	7.9	21.0	6.3

DATE	ALKA- LINIT- Y AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG)
AUG. 19...	57	.25	<.02	--	.04	64
SEP. 30...	42	.18	.16	.21	<.02	44

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 14...	153	5	4	.5	430	3.0
SEP. 30...	104	5	5	.9	36	4.0

02394980 Etowah River near Euharlee, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV.					
11...	1230	658	7.5	15.0	7.2
DEC.					
16...	1400	5200	6.9	8.0	11.2
FEB.					
03...	1045	1060	7.5	11.0	9.5
MAR.					
17...	1200	5660	7.1	11.0	10.5
APR.					
28...	1130	562	7.2	17.0	9.8
JUNE					
09...	0930	850	7.6	20.0	8.6
JULY					
23...	1130	736	7.5	23.5	--
SEP.					
02...	1145	508	7.3	24.0	8.3

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
NOV.						
11...	33	.09	<.02	--	.03	32
DEC.						
16...	28	.20	.05	.06	.08	28
FEB.						
03...	58	.41	<.02	--	.06	64
MAR.						
17...	24	.25	<.04	--	.08	33
APR.						
28...	32	.29	<.02	--	.03	42
JUNE						
09...	51	.33	<.02	--	.03	50
JULY						
23...	37	.09	<.02	--	.03	52
SEP.						
02...	43	.20	.03	.04	.03	42

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BREATH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
11...	78	50	6	.6	430	2.0
DEC.						
16...	71	30	28	1.1	930	2.0
FEB.						
03...	142	20	15	.7	--	2.0
MAR.						
17...	80	60	60	1.2	2300	3.0
APR.						
28...	94	30	18	.7	230	2.0
JUNE						
09...	100	20	14	.2	430	1.0
JULY						
23...	100	<5	9	.7	73	10
SEP.						
02...	100	10	5	.6	230	1.0

02395000 Etowah River near Kingston, Ga.

LOCATION.--Lat 34°12'24", long 84°58'44", Bartow County, on downstream side of center pier of bridge on U.S. Highway 411, 1 mi (1.6 km) upstream from Two Run Creek, 1.5 mi (2.4 km) upstream from Connesena Creek, and 2.5 mi (4.0 km) southwest of Kingston.

DRAINAGE AREA.--1,630 mi² (4,220 km²), approximately.

PERIOD OF RECORD.--Discharge: July 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304, 1734.

Chemical analyses: October 1969 to June 1974.

GAGE.--Water-stage recorder. Datum of gage is 609.97 ft (185.92 m) above mean sea level, Dixie Construction Co. bench mark. Prior to Aug. 11, 1928, nonrecording gage, Aug. 11, 1928 to Dec. 28, 1931, water-stage recorder, Nov. 16, 1936 to June 15, 1937, nonrecording gage and June 16, 1937 to June 27, 1960, water-stage recorder, all 500 ft (152 m) upstream at same datum.

AVERAGE DISCHARGE.--42 years, 2,518 ft³/s (71.3 m³/s), unadjusted, 20.98 in/yr (532.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,300 ft³/s (377 m³/s) Feb. 5, gage height, 13.30 ft (4.054 m); minimum daily, 550 ft³/s (15.6 m³/s) Aug. 31.

Period of record: Maximum discharge, 42,700 ft³/s (1,210 m³/s) Apr. 9, 1938, gage height, 27.7 ft (8.44 m); minimum daily, 268 ft³/s (7.59 m³/s) Oct. 19, 1931.

Maximum stage known, about 31 ft (9.4 m) Dec. 11, 1919, from information by local resident, discharge, 52,000 ft³/s (1,470 m³/s).

REMARKS.--Records good. Flow regulated by Allatoona Lake since December 1949 (see sta. 02393500).

COOPERATION.--Gage-height record, 15 discharge measurements, and computation of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1304: 1292-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	3,480	2,570	4,810	4,240	5,330	3,180	1,830	858	1,970	1,680	1,200
2	1,270	1,560	3,980	5,740	2,240	3,400	3,760	2,320	2,100	2,000	1,190	1,870
3	1,350	1,530	3,800	5,650	3,300	5,410	4,920	1,530	3,180	2,170	754	2,700
4	1,430	1,560	3,470	2,820	7,880	6,200	7,040	1,610	3,270	1,800	2,080	4,280
5	1,420	1,560	3,370	1,270	8,940	5,950	8,990	2,310	3,310	1,160	2,520	2,170
6	1,460	1,390	3,310	1,890	5,210	5,100	8,900	4,820	3,220	592	2,620	852
7	1,500	1,390	2,510	3,070	4,380	3,390	4,830	5,510	2,700	1,650	2,880	552
8	1,480	1,540	1,880	3,150	5,700	2,780	6,430	5,820	1,740	2,140	2,770	981
9	1,500	1,540	2,530	4,330	3,370	1,150	6,290	5,590	1,550	2,190	1,120	1,140
10	1,530	1,560	3,300	3,990	2,790	2,730	6,740	2,710	2,380	2,640	802	1,540
11	2,000	1,600	3,190	2,640	1,260	2,620	6,440	1,050	2,590	2,040	2,220	2,530
12	1,290	1,550	3,160	2,060	1,640	2,690	6,280	3,000	3,730	967	2,450	2,230
13	1,510	1,630	3,150	3,140	1,590	6,050	2,770	4,490	5,630	577	3,310	1,070
14	1,430	1,600	2,070	6,440	4,840	11,500	4,340	4,920	2,760	1,620	4,030	674
15	1,490	2,240	1,510	6,400	7,920	6,340	6,540	4,740	923	2,220	3,100	768
16	1,590	938	2,600	6,380	4,270	3,130	6,550	4,370	1,380	2,290	2,170	936
17	1,600	1,540	3,170	6,370	7,160	6,180	5,750	2,670	3,400	2,210	739	2,030
18	1,540	1,530	2,870	3,250	7,380	6,840	4,190	1,170	3,130	2,350	1,980	1,480
19	1,370	1,690	2,870	946	5,260	7,780	1,930	3,350	2,940	1,250	1,540	3,160
20	1,450	1,980	2,770	1,470	5,740	7,320	1,070	5,570	1,960	589	1,760	3,010
21	1,980	2,050	1,450	5,170	6,260	6,810	2,920	5,640	956	1,740	1,960	1,160
22	1,250	1,640	1,110	1,910	6,240	6,700	2,430	4,870	775	1,940	2,010	1,450
23	1,440	2,000	2,090	858	3,690	3,660	3,100	4,760	1,250	2,220	961	1,940
24	1,490	649	2,180	872	6,300	6,460	2,220	1,750	1,600	3,740	411	3,110
25	1,490	3,780	2,440	2,980	7,020	7,840	1,330	823	1,360	3,040	2,110	2,190
26	1,480	4,300	4,470	3,970	6,740	6,730	1,670	1,290	870	1,510	2,500	1,020
27	1,430	5,060	4,410	2,970	6,540	6,540	1,640	1,700	1,130	949	3,210	830
28	1,540	2,430	4,140	4,230	6,350	6,450	3,860	1,670	1,070	2,590	3,000	1,150
29	1,520	1,460	2,250	3,310	-----	6,820	2,800	1,840	817	1,370	2,750	1,100
30	1,520	1,160	5,720	5,240	-----	5,480	2,200	1,970	2,440	869	1,340	2,900
31	1,780	-----	5,720	5,920	-----	3,790	-----	1,300	-----	1,050	550	-----
TOTAL	46,430	59,047	94,870	113,246	142,350	170,210	131,030	97,033	65,029	55,723	63,017	52,023
MEAN	1,493	1,898	3,054	3,653	5,084	5,491	4,368	3,130	2,168	1,794	2,033	1,734
MAX	2,000	7,080	5,720	6,440	11,500	8,990	5,820	5,630	3,740	4,030	4,280	4,280
MIN	1,240	649	1,110	858	1,260	1,150	1,070	823	775	577	550	552
CAL YR 1974 TOTAL 1,161,741 MEAN 3,183 MAX 15,500 MIN 632 MEAN† 3,139 CFSM† 1.93 IN† 26.20												
WTR YR 1975 TOTAL 1,089,808 MEAN 2,986 MAX 11,500 MIN 550 MEAN† 3,022 CFSM† 1.85 IN† 25.11												

† Adjusted for change in contents in Allatoona Lake.

02396000 Etowah River at Rome, Ga.

LOCATION.--Lat 34°15'26", long 85°09'30", Floyd County, on downstream side of center pier of Southern Railway bridge in Rome, 2 mi (3.2 km) upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1,810 mi² (4,690 km²), approximately.

PERIOD OF RECORD.--Discharge: July to December 1903, August 1904 to June 1921 (published as "near Rome"), October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304.

Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft (171.21 m) above mean sea level. July 1 to Dec. 31, 1903, nonrecording gage at Second Avenue Bridge, 1 mi (1.6 km) downstream at different datum. Aug. 17, 1904 to June 30, 1921, nonrecording gage at Freemans Ferry, 5 mi (8.0 km) upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi (1.6 km) downstream.

AVERAGE DISCHARGE.--53 years (1904-20, 1938-75), 2,919 ft³/s (82.7 m³/s), 21.90 in/yr (556.3 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 15,800 ft³/s (447 m³/s) Mar. 14, maximum gage height, 24.50 ft (7.468 m) Mar. 15, minimum daily discharge, 641 ft³/s (18.2 m³/s) Aug. 31.

Period of record: Maximum discharge, 55,000 ft³/s (1,560 m³/s) Dec. 11, 1919, gage height, over 28 ft (8.5 m), at former site at Freemans Ferry, computed from data at upstream stations; minimum daily, 360 ft³/s (10.2 m³/s) Oct. 10, 1904.

Maximum stage known, that of Dec. 11, 1919.

Flood of Apr. 9, 1938, reached a stage of 37.5 ft (11.43 m), discharge, 46,500 ft³/s (1,320 m³/s), from gage readings and discharge measurements by Corps of Engineers.

REMARKS.--Records good except those for period of doubtful or no gage-height record, which are fair. Flow regulated by Allatoona Lake since 1949 (see sta. 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by Geological Survey.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1,370	3,120	2,830	6,090	5,840	7,300	6,200	2,570	1,180	2,530	1,130	1,030	
2	1,370	2,830	3,160	5,730	3,170	4,110	5,400	2,210	1,180	2,020	2,140	1,400	
3	1,400	1,760	4,730	6,080	2,460	7,530	6,400	2,840	3,300	2,440	814	2,560	
4	1,560	1,770	3,720	5,140	7,770	6,620	8,100	1,770	3,430	2,080	1,070	3,810	
5	1,530	1,800	3,710	1,940	11,600	6,290	13,000	1,670	3,570	1,870	2,600	4,110	
6	1,630	1,740	3,620	2,270	8,050	5,850	11,000	4,270	3,370	870	2,780	1,080	
7	1,590	1,590	3,090	3,510	5,960	3,430	5,700	5,660	3,390	881	2,870	753	
8	1,700	1,570	2,120	3,620	6,480	3,230	6,840	6,010	2,720	2,290	3,300	1,130	
9	1,640	1,760	2,500	4,090	6,100	1,650	7,010	5,890	1,030	2,340	2,510	1,420	
10	1,720	1,740	3,210	4,680	3,750	3,440	7,490	4,800	1,990	2,650	1,030	922	
11	1,760	1,770	3,440	3,980	2,060	2,620	7,080	1,340	3,010	2,520	1,350	2,510	
12	2,000	1,820	3,410	3,140	2,880	2,740	6,860	1,720	4,250	1,980	2,690	3,090	
13	1,700	1,760	3,340	3,990	2,920	9,600	5,260	4,690	5,050	747	2,950	1,860	
14	1,700	1,790	3,090	5,840	4,200	14,000	3,260	5,170	4,020	736	4,180	950	
15	1,670	2,210	1,990	7,010	6,540	10,500	6,950	5,040	1,130	2,340	3,440	679	
16	1,770	1,560	2,660	6,770	6,130	4,980	6,990	4,480	1,050	2,430	3,800	1,220	
17	1,740	1,720	3,330	6,680	7,220	8,160	6,970	4,560	2,930	2,370	830	1,230	
18	1,780	1,680	3,130	5,570	8,820	8,540	4,840	1,990	3,120	2,420	1,450	2,550	
19	1,660	1,890	3,140	1,440	9,000	11,800	3,670	2,480	3,020	2,410	1,720	2,850	
20	1,570	2,230	3,080	1,400	6,500	9,800	1,620	5,750	2,720	745	2,010	3,190	
21	1,860	2,460	2,290	4,620	7,610	8,590	2,590	5,750	1,820	1,200	1,880	2,610	
22	1,770	1,940	938	3,910	7,490	9,000	3,200	5,270	953	2,000	2,330	1,100	
23	1,680	2,020	2,230	1,310	6,000	6,000	4,480	4,920	893	2,290	2,060	1,980	
24	1,640	1,390	2,390	1,230	8,290	5,400	2,310	3,750	1,770	3,540	759	4,860	
25	1,660	2,250	3,110	3,480	7,870	9,500	2,680	1,200	1,680	3,620	1,120	5,010	
26	1,740	4,960	3,730	6,180	9,140	9,000	1,630	1,030	1,370	2,930	2,630	2,790	
27	1,530	5,230	4,650	4,890	8,270	7,800	1,300	1,940	784	1,110	3,060	1,840	
28	1,730	4,480	5,540	5,090	6,930	7,400	3,460	1,880	1,740	1,530	3,580	1,950	
29	1,740	1,770	3,200	4,990	-----	7,900	3,530	2,220	789	2,860	2,860	1,690	
30	1,730	1,230	4,950	4,970	-----	11,000	2,590	2,280	1,730	1,060	2,910	2,630	
31	1,680	-----	6,910	6,460	-----	6,700	-----	2,070	-----	1,150	641	-----	
TOTAL	51,770	65,840	103,238	136,100	179,050	220,440	158,210	107,220	68,989	61,959	68,494	64,804	
MEAN	1,670	2,105	3,330	4,390	6,395	7,112	5,274	3,459	2,300	1,999	2,209	2,160	
MAX	2,000	5,230	6,910	7,010	11,600	14,000	13,000	6,010	5,050	3,620	4,180	5,010	
MIN	1,370	1,230	938	1,230	2,060	1,650	1,300	1,030	784	736	641	679	
CAL YR 1974 TOTAL													
MEAN	1,305,016	MEAN	3,575	MAX	19,600	MIN	742	MEAN†	3,531	CFSM†	1.95	INT†	26.47
WTR YR 1975 TOTAL													
MEAN	1,286,154	MEAN	3,524	MAX	14,000	MIN	641	MEAN†	3,560	CFSM†	1.97	INT†	26.74

NOTE.--Doubtful or no gage-height record at base or auxiliary gage Feb. 25 to Apr. 7.

† Adjusted for change in contents in Allatoona Lake.

MOBILE RIVER BASIN

02396000 Etowah River at Rome, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
02...	1145	1610	8.0	18.5	--
15...	1415	1550	7.7	20.0	8.8
NOV.					
13...	0950	2830	7.0	10.5	9.6
DEC.					
18...	1100	3330	6.8	6.0	11.3
FEB.					
05...	1415	10200	7.1	8.0	10.9
MAR.					
17...	1345	8000	7.4	11.0	10.4
APR.					
30...	1145	1880	7.0	16.0	8.6
JUNE					
02...	1015	1030	7.0	20.0	9.5
JULY					
23...	0715	3900	7.4	24.5	--
SEP.					
04...	0845	5620	8.1	24.0	6.7

DATE	TOTAL IRON (FF) (MG/L)	TOTAL MAN- GANESE (MN) (MG/L)	ALKAL- INITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.							
15...	200	50	41	.15	<.02	--	.02
NOV.							
13...	--	--	33	.16	<.02	--	.04
DEC.							
18...	490	90	22	.18	.04	.05	.04
FEB.							
05...	2600	130	17	.18	.02	.03	.13
MAR.							
17...	1700	50	21	--	--	--	.05
APR.							
30...	420	<50	24	.24	<.02	--	.04
JUNE							
02...	380	<50	37	.28	<.02	--	.02
JULY							
23...	1400	370	38	.09	<.02	--	.05
SEP.							
04...	1100	300	28	.13	.14	.18	.07

DATE	HAZAR- DOUS MATERIALS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHO/CM)	COLOR (PLAT- INUM- COHART UNITS)	TUR- BID- ITY (JTU)	MET- AL- LIC CON- CENT- RATION (MG/L)	FECAL COLI- FORM (FC PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.							
15...	42	100	5	6	.8	430	3.0
NOV.							
13...	39	80	10	15	.7	430	2.0
DEC.							
18...	24	61	25	18	.4	230	3.0
FEB.							
05...	21	52	40	76	1.7	15000	7.0
MAR.							
17...	27	67	80	52	1.0	2300	3.0
APR.							
30...	37	81	35	21	.6	150	2.0
JUNE							
02...	40	71	10	12	.2	230	1.0
JULY							
23...	46	109	10	40	.8	73	10
SEP.							
04...	20	54	13	22	.8	430	5.0

02397000 Coosa River near Rome, Ga.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, on left bank attached to shoreward side of lock wall of Mayo Bar lock near upstream end, 1.5 mi (2.4 km) upstream from Webb Creek, 6 mi (9.7 km) southwest of Rome, 7.5 mi (12.1 km) downstream from confluence of Oostanula and Etowah Rivers, and at mile 278.6 (448.3 km).

DRAINAGE AREA.--4,040 mi² (10,500 km²), approximately.

PERIOD OF RECORD.--Discharge: October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Monthly discharge only for some periods, published in WSP 1304. Water years 1959-62 (annual maximum only). Gage-height records collected at same site, 1922-49, are contained in reports of National Weather Service.

Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft (168.57 m) above mean sea level (levels by Corps of Engineers). Jan. 1, 1897 to Dec. 31, 1903, nonrecording gage at site 7.5 mi (12.1 km) upstream at datum 8.65 ft (2.64 m) higher. June 21, 1928 to Dec. 31, 1931 and Mar. 10, 1937 to Dec. 31, 1958, water-stage recorder at site 200 ft (61 m) downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

AVERAGE DISCHARGE.--44 years (1896-1903, 1928-31, 1937-58, 1962-75), 6,630 ft³/s (188 m³/s), 22.29 in/yr (566.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,200 ft³/s (884 m³/s) Mar. 15, gage height, 25.86 ft (7.882 m); minimum daily, 1,660 ft³/s (47.0 m³/s) Aug. 24.

Period of record: Maximum discharge, 65,000 ft³/s (1,840 m³/s) Jan. 22, 1947, gage height, 37.0 ft (11.28 m); minimum daily, 870 ft³/s (24.6 m³/s) Oct. 18-22, 1931.

Maximum stage known since at least 1834, 40.3 ft (12.28 m) at site and datum at Rome, equivalent to stage of about 43 ft (13.1 m) at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s (2,830 m³/s), from rating curve extended above 63,000 ft³/s (1,780 m³/s) on basis of peak flow at Gadsden, Ala.

REMARKS.--Records good. Flow regulated by Allatoona Lake since December 1949 (see sta. 02393500) and by Carters Lake since October 1974. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1906: 1959(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,200	3,180	4,180	12,800	8,680	11,500	25,800	4,610	4,310	4,570	2,320	2,040
2	2,180	3,640	5,370	9,930	5,970	9,490	24,300	4,190	4,540	3,540	3,420	2,340
3	2,140	2,270	7,310	9,420	5,330	7,430	25,300	5,000	5,970	3,880	2,510	3,390
4	2,260	2,270	5,460	9,210	14,500	9,340	25,800	3,850	5,780	4,250	2,630	4,330
5	2,250	2,380	4,920	6,490	26,700	8,860	24,100	3,910	5,560	3,600	4,090	5,250
6	2,300	2,360	4,580	6,450	28,000	8,560	16,600	5,510	4,960	2,480	4,220	2,360
7	2,280	2,420	4,370	7,020	25,700	6,150	10,000	7,310	5,180	2,400	4,520	2,180
8	2,320	2,180	3,430	6,470	23,300	7,000	10,200	7,620	4,630	3,650	5,590	2,630
9	2,280	2,330	4,070	6,400	19,100	4,120	10,200	7,810	2,940	3,540	5,000	4,140
10	2,300	2,270	4,890	7,010	9,120	4,340	10,700	7,180	3,670	3,730	3,570	4,140
11	2,280	2,330	4,990	9,140	6,050	6,240	10,500	4,050	5,140	4,130	2,920	4,880
12	2,540	2,460	4,590	10,500	7,830	8,190	9,870	3,900	7,120	4,060	4,620	4,980
13	2,210	2,500	4,340	11,600	7,620	12,600	8,630	6,800	7,700	2,480	4,690	3,740
14	2,250	2,440	4,200	12,900	8,330	28,100	5,600	6,920	8,460	2,170	5,700	2,710
15	2,200	2,330	2,950	12,800	9,660	30,700	9,510	6,540	3,690	3,510	4,910	2,290
16	2,380	2,380	3,350	10,400	10,400	27,100	9,590	6,860	3,280	3,220	5,210	2,500
17	2,420	2,120	4,200	9,350	13,900	24,600	9,350	8,310	4,770	3,100	2,560	2,350
18	2,690	2,180	4,240	8,550	21,700	24,400	7,180	8,070	4,540	3,130	3,020	5,340
19	2,540	2,370	4,180	4,010	26,700	23,200	6,570	8,270	4,700	3,270	3,010	6,510
20	2,320	3,150	4,080	3,930	24,600	18,800	4,280	9,520	4,740	1,800	3,140	6,730
21	2,320	3,980	3,710	6,300	23,500	15,700	4,550	8,750	3,470	1,800	3,000	5,100
22	2,350	4,090	2,050	7,270	21,100	13,400	5,720	8,070	2,890	2,930	3,380	3,350
23	2,210	3,380	2,980	4,150	15,700	11,100	6,520	6,610	2,730	3,300	2,830	8,260
24	2,270	2,740	3,880	3,570	19,700	11,300	4,530	5,680	3,340	4,300	1,660	21,600
25	2,220	2,520	6,160	12,200	22,600	19,500	4,940	2,540	3,220	4,920	1,860	21,400
26	2,290	5,550	8,460	23,900	23,100	19,600	4,010	2,410	2,840	4,660	3,250	13,500
27	2,190	5,840	9,570	23,200	20,600	17,400	3,750	3,270	2,310	2,720	3,390	10,500
28	2,260	5,660	9,750	20,000	16,500	14,400	5,540	3,470	3,100	2,520	4,230	9,600
29	2,290	2,580	7,800	17,700	-----	12,600	5,600	4,320	2,660	4,150	3,700	5,690
30	2,270	2,310	11,100	13,700	-----	24,400	4,670	4,860	3,040	2,240	3,780	4,870
31	2,220	-----	15,700	9,950	-----	27,100	-----	4,720	-----	2,250	1,780	-----
TOTAL	71,230	88,210	170,870	316,320	465,990	467,220	313,910	180,930	131,280	102,300	110,510	178,700
MEAN	2,298	2,940	5,512	10,200	16,640	15,070	10,460	5,836	4,376	3,300	3,565	5,957
MAX	2,690	5,840	15,700	23,900	28,000	30,700	25,800	9,520	8,460	4,920	5,700	21,600
MIN	2,140	2,120	2,050	3,570	5,330	4,120	3,750	2,410	2,310	1,800	1,660	2,040
CAL YR 1974	TOTAL 2,800,990	MEAN 7,674	MAX 35,000	MIN 1,810	MEAN+ 7,665	CFSM+ 1.90	IN+ 25.79					
WTR YR 1975	TOTAL 2,597,470	MEAN 7,116	MAX 30,700	MIN 1,660	MEAN+ 7,676	CFSM+ 1.90	IN+ 25.79					

+ Adjusted for change in contents in Allatoona and Carters Lakes.

MOBILE RIVER BASIN

02397000 Coosa River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.95	12.39	13.56	14.18	15.73	14.24	16.56	13.05	13.92	13.63	14.41	13.06
2	12.90	13.37	13.57	13.71	15.56	14.22	15.16	13.38	13.88	12.54	14.50	13.13
3	12.10	12.77	14.27	14.70	15.78	16.08	14.72	13.83	13.84	12.48	14.80	11.92
4	12.06	13.40	14.34	17.67	16.26	16.33	15.13	14.21	12.78	12.95	14.22	11.87
5	12.49	14.04	14.15	23.12	16.15	15.69	15.11	14.39	12.72	12.71	13.76	12.10
6	12.42	13.69	13.88	22.96	14.63	15.35	14.98	14.22	13.80	13.23	12.89	12.62
7	12.28	12.36	15.13	20.77	14.92	15.18	14.83	13.50	13.59	13.36	12.72	12.48
8	12.30	12.28	16.31	20.04	15.86	15.30	15.24	13.30	12.74	12.98	13.47	13.14
9	12.21	13.34	16.50	20.48	16.04	15.78	15.17	14.00	13.46	12.45	13.42	12.97
10	12.07	13.35	16.02	21.68	15.77	15.81	14.88	14.49	13.07	12.36	13.36	11.84
11	12.05	13.32	15.19	25.65	15.59	15.24	14.64	14.36	12.71	13.12	13.36	11.77
12	12.06	13.34	14.42	26.42	15.40	14.13	14.39	14.17	12.60	13.12	13.36	12.13
13	12.17	13.23	13.28	24.52	14.96	13.91	14.36	15.09	13.23	13.02	12.78	12.47
14	12.19	12.08	14.71	23.33	15.65	14.12	14.27	14.35	13.20	12.98	12.72	12.41
15	12.17	12.04	14.83	22.52	15.91	14.10	14.43	21.44	13.20	13.11	12.75	13.00
16	12.21	13.13	15.24	21.79	15.50	14.06	13.63	20.55	13.17	12.28	12.71	12.70
17	12.28	13.17	15.76	20.31	15.33	14.11	13.50	20.30	13.15	12.21	12.75	11.82
18	12.45	13.16	16.03	18.27	15.49	14.18	14.06	19.86	12.42	12.92	12.98	11.83
19	12.53	13.19	14.37	17.31	15.62	13.84	14.00	17.55	12.46	13.43	13.11	12.87
20	12.49	13.14	14.40	16.99	15.59	13.72	13.91	16.03	13.71	13.43	12.15	12.68
21	12.43	12.05	15.51	16.64	14.66	14.07	13.89	15.26	15.31	12.79	12.10	12.51
22	12.45	11.99	16.04	16.66	14.91	15.25	14.00	14.30	14.79	13.33	12.77	12.52
23	12.45	12.97	15.40	16.87	14.76	16.40	13.98	15.76	13.89	12.21	12.80	12.33
24	12.39	13.10	14.74	16.72	14.62	16.55	14.56	15.89	13.42	12.16	12.76	11.74
25	12.80	13.12	14.00	16.49	14.58	15.39	14.41	15.89	12.72	12.66	12.80	11.68
26	13.34	12.75	13.27	16.26	14.52	14.43	13.77	15.27	12.66	12.62	12.76	12.46
27	13.44	13.61	13.30	16.13	14.02	14.37	13.55	14.82	13.59	12.90	12.10	12.36
28	13.82	12.24	14.12	15.45	14.09	15.22	13.44	13.14	13.63	13.44	12.14	12.51
29	13.76	12.25	14.08	15.32	14.38	15.92	13.37	13.02	13.62	14.33	13.16	13.23
30	13.15	13.51	14.05	15.47	-----	16.70	13.11	13.70	13.67	14.53	13.14	12.21
31	12.43	-----	14.20	15.12	-----	16.88	-----	13.66	-----	14.45	13.10	-----
MEAN	12.54	12.95	14.67	18.82	15.25	15.05	14.37	15.41	13.37	13.02	13.09	12.41
MAX	13.82	14.04	16.50	26.42	16.26	16.88	16.56	21.44	15.31	14.53	14.80	13.23
MIN	12.05	11.99	13.27	13.71	14.02	13.72	13.11	13.02	12.42	12.16	12.10	11.68

WTR YR 1972 MEAN 14.25 MAX 26.42 MIN 11.68

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.42	13.28	13.45	16.89	14.77	13.40	21.44	20.56	22.43	13.22	13.47	13.11
2	12.31	13.32	13.85	17.48	15.18	13.48	19.55	14.29	22.57	13.15	13.61	12.20
3	12.51	13.66	12.94	16.52	15.84	13.00	14.67	16.34	22.08	14.09	13.26	12.10
4	12.41	14.07	12.91	16.20	16.10	14.00	16.71	16.20	19.42	14.10	12.99	12.25
5	12.37	12.42	13.93	15.31	15.03	14.34	15.94	15.94	16.82	13.14	12.55	12.92
6	12.50	12.42	14.01	16.79	15.58	14.58	15.70	15.43	18.17	14.08	12.50	12.95
7	12.40	13.41	14.08	15.73	15.61	14.68	16.93	14.21	21.63	14.13	13.04	12.97
8	12.29	13.34	14.22	17.91	15.74	14.40	22.57	17.06	21.55	13.05	13.47	12.98
9	11.97	13.77	14.18	21.53	15.83	15.49	21.42	21.12	20.97	13.07	12.87	12.43
10	12.29	14.05	13.01	20.48	16.93	16.43	21.07	21.76	13.22	13.86	13.14	12.42
11	12.28	13.80	13.54	12.63	15.84	16.13	17.45	20.75	17.82	14.09	12.49	12.59
12	12.24	12.79	14.46	16.32	14.70	18.41	17.93	19.49	17.76	13.84	12.45	12.47
13	12.30	12.66	15.00	15.76	14.91	18.79	16.07	16.88	17.70	13.79	12.64	12.64
14	12.13	14.31	15.16	14.33	15.05	18.43	15.79	15.93	17.31	13.68	12.45	14.03
15	11.79	14.36	17.41	14.03	15.50	17.33	15.24	15.93	16.27	12.88	13.62	15.57
16	11.70	14.28	22.02	14.74	15.72	18.17	14.99	15.51	15.92	13.31	13.66	14.77
17	12.01	14.00	20.05	14.68	15.44	24.44	15.37	15.43	14.43	14.12	13.47	13.36
18	12.15	13.87	18.16	14.32	14.27	25.55	15.40	15.14	14.09	14.11	13.43	13.76
19	12.15	13.57	18.40	15.03	14.05	23.27	15.53	15.17	15.05	14.28	13.02	13.92
20	12.47	12.45	16.71	15.35	14.65	22.43	15.53	14.76	15.77	14.11	12.95	13.83
21	12.64	14.30	16.44	14.66	14.50	23.30	15.25	19.28	15.58	17.00	13.40	13.43
22	12.17	14.63	17.33	15.80	14.50	23.90	13.65	14.41	15.74	12.88	13.05	13.68
23	12.04	14.22	19.88	16.54	14.43	23.23	13.68	14.40	15.40	12.77	12.99	12.62
24	12.35	13.72	18.94	17.06	14.27	20.29	15.47	15.14	13.71	13.80	12.94	12.52
25	12.45	14.12	15.77	16.27	13.36	16.74	21.19	16.83	13.47	14.12	12.91	13.15
26	12.46	12.82	16.35	15.88	13.25	15.39	21.34	16.91	14.22	14.68	12.38	13.10
27	12.41	13.09	15.63	16.01	13.46	16.12	23.68	15.83	14.18	14.70	12.26	13.04
28	12.44	13.92	15.39	14.83	13.44	15.85	23.51	21.74	14.34	14.02	13.12	13.04
29	12.42	13.82	15.24	14.70	-----	15.61	21.32	24.63	14.34	12.99	13.24	13.10
30	12.46	13.79	15.07	15.07	-----	15.52	20.40	21.27	14.25	12.86	13.13	13.01
31	12.43	-----	16.17	15.54	-----	17.73	-----	22.36	-----	13.70	13.12	-----
MEAN	12.32	13.62	15.92	16.16	14.93	17.83	18.01	17.99	17.07	13.64	13.07	13.13
MAX	12.43	14.63	22.02	21.53	16.83	25.55	23.68	24.63	22.57	14.70	13.85	15.57
MIN	11.70	12.46	12.91	14.03	13.25	13.36	13.65	14.21	13.47	12.77	12.26	12.10
CAL YR 1972	MEAN	14.39	MAX	26.42	MIN	11.68						
WTR YR 1973	MEAN	15.31	MAX	25.55	MIN	11.70						

02397000 Coosa River near Rome, Ga.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.63	13.25	17.26	23.66	17.52	15.77	14.95	14.38	14.51	12.39	12.90	12.38
2	15.39	13.23	16.88	23.40	16.69	15.45	15.89	13.24	13.46	13.25	12.97	12.48
3	14.76	13.21	15.50	22.22	18.81	14.13	16.71	13.36	14.30	13.33	12.94	12.42
4	14.48	12.33	14.36	22.25	18.80	14.17	21.75	14.60	15.07	13.37	12.37	12.73
5	14.34	12.33	14.70	22.48	20.06	14.72	28.14	13.40	14.58	12.56	12.48	12.72
6	13.41	13.24	15.40	22.24	19.87	14.68	27.90	13.31	14.25	12.86	13.51	12.67
7	12.92	13.27	15.20	23.03	19.27	14.60	24.79	12.97	14.13	12.74	13.87	12.68
8	12.43	13.26	14.62	23.83	20.13	14.56	23.06	13.83	14.12	12.74	12.95	12.45
9	13.14	13.28	14.16	22.94	20.44	14.31	23.53	14.32	13.24	13.46	13.95	12.32
10	13.34	13.27	13.54	22.13	17.92	13.53	21.23	14.28	13.13	13.81	14.11	13.09
11	13.33	12.28	13.94	21.74	16.50	13.60	18.66	14.30	13.86	13.65	13.59	13.37
12	13.30	12.27	14.54	22.59	15.78	14.05	17.53	13.36	13.88	13.35	12.69	13.44
13	13.28	13.12	14.66	20.55	15.39	14.05	19.07	13.58	13.77	13.22	13.36	13.38
14	12.47	13.16	14.61	19.66	15.31	14.02	19.76	14.33	13.73	12.37	13.01	13.41
15	12.44	13.16	14.48	20.75	17.00	13.95	18.76	14.20	13.70	12.31	12.69	12.34
16	12.80	13.22	12.99	20.66	20.10	13.77	20.47	14.13	12.76	12.63	13.00	12.28
17	13.33	13.20	13.00	20.06	21.66	13.26	18.76	14.00	12.72	12.59	13.15	13.13
18	13.56	12.35	13.72	19.97	20.32	13.39	17.53	13.96	12.89	12.66	12.41	13.15
19	13.43	12.33	13.69	18.89	19.73	13.53	16.28	13.01	13.34	12.97	12.51	12.49
20	13.13	13.36	13.88	16.72	19.76	13.62	15.65	12.92	13.38	12.70	12.84	12.42
21	12.34	13.56	14.21	15.57	18.20	13.92	14.49	13.87	13.51	12.06	12.78	12.57
22	12.24	14.42	14.44	16.64	19.29	14.24	14.08	13.67	13.53	12.06	12.13	12.61
23	13.15	14.23	13.66	16.17	20.99	14.36	15.02	13.71	13.35	12.43	12.92	12.13
24	13.22	14.37	13.32	16.10	18.33	13.91	14.84	14.34	12.55	12.39	13.16	12.45
25	13.20	13.00	13.57	16.20	17.34	13.65	14.56	14.74	13.15	12.40	12.24	12.41
26	13.21	12.83	13.68	16.44	17.22	13.91	14.45	13.67	13.15	12.49	12.15	12.45
27	13.21	13.61	16.48	17.44	16.25	14.13	14.24	14.25	13.12	12.76	13.22	12.46
28	12.16	15.63	17.25	17.36	15.91	14.05	13.44	15.16	13.09	12.88	13.14	12.38
29	12.17	17.37	16.61	19.80	-----	15.17	13.38	16.08	13.10	12.66	13.28	12.18
30	13.15	17.44	16.49	19.85	-----	16.20	14.04	15.24	12.46	13.38	13.10	12.18
31	12.34	-----	17.65	19.03	-----	16.19	-----	14.76	-----	13.01	13.13	-----
MEAN	13.49	13.52	14.79	20.01	18.34	14.29	18.10	14.03	13.53	12.82	12.99	12.64
MAX	15.39	17.44	17.66	23.83	21.66	16.20	28.14	16.08	15.07	13.81	14.11	13.44
MTN	12.16	12.27	12.99	15.57	15.31	13.26	13.38	12.92	12.46	12.06	12.13	12.13
CAL YR 1973	MEAN 15.29		MAX 25.55	MTN 12.10								
WTR YR 1974	MEAN 14.84		MAX 24.14	MTN 12.06								

329

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.21	12.74	13.23	14.39	14.94	15.95	22.21	13.45	13.32	13.41	12.38	12.19
2	12.18	12.92	13.71	15.36	13.98	15.22	21.37	13.27	13.42	12.86	12.92	12.36
3	12.15	12.27	13.83	15.19	13.71	14.51	21.49	13.60	13.97	13.13	12.51	12.86
4	12.23	12.27	13.74	15.12	17.08	15.17	22.18	13.14	13.90	13.29	12.56	13.29
5	12.23	12.34	13.53	14.18	22.77	15.00	21.32	13.16	13.81	13.01	13.21	13.67
6	12.25	12.33	13.39	14.16	23.54	14.49	17.88	13.80	13.58	12.49	13.27	12.40
7	12.24	12.36	13.30	14.36	22.14	14.03	15.43	14.45	13.67	12.44	13.41	12.28
8	12.26	12.22	12.91	14.16	20.88	14.34	15.02	14.56	13.45	13.02	13.82	12.56
9	12.25	12.30	13.20	14.15	19.00	13.25	15.44	14.63	12.72	12.97	13.60	13.23
10	12.26	12.27	13.53	14.35	15.09	13.33	15.66	14.39	13.05	13.06	13.02	13.25
11	12.25	12.31	13.57	15.09	14.02	14.06	15.58	13.22	13.30	13.23	12.56	13.55
12	12.37	12.39	13.40	15.56	14.64	14.77	15.35	13.16	14.38	13.21	13.44	13.59
13	12.21	12.42	13.30	15.98	14.57	16.37	14.92	14.26	14.59	12.48	13.47	13.08
14	12.23	12.38	13.23	16.49	14.81	23.75	13.82	14.31	14.85	12.94	13.85	12.60
15	12.21	12.32	12.69	16.40	15.28	25.44	15.23	14.18	13.08	12.98	13.54	12.36
16	12.32	12.29	12.88	15.54	15.55	22.98	15.26	14.29	12.84	12.79	13.67	12.49
17	12.35	12.18	13.25	15.17	16.82	21.54	15.17	14.81	13.50	12.74	12.52	12.39
18	12.50	12.23	13.26	14.88	20.14	21.42	14.40	14.72	13.41	12.75	12.75	13.73
19	12.42	12.35	13.24	13.21	22.73	20.88	14.17	14.73	13.46	12.82	12.72	14.17
20	12.30	12.76	13.21	13.17	21.53	18.85	13.31	15.23	13.48	12.02	12.78	14.24
21	12.30	13.14	13.04	14.09	21.00	17.53	13.42	14.96	12.95	12.01	12.72	13.63
22	12.24	13.18	12.17	14.43	19.86	16.63	13.87	14.71	12.69	12.69	12.88	12.92
23	12.23	12.88	12.72	13.26	17.59	15.80	14.17	14.19	12.61	12.85	12.60	14.80
24	12.26	12.53	13.13	13.02	20.54	15.88	13.41	13.83	12.90	13.29	11.90	20.08
25	12.23	12.41	14.03	16.29	20.56	19.16	13.57	12.52	12.84	13.55	12.06	20.00
26	12.28	13.76	14.84	21.17	20.72	19.18	13.20	12.44	12.67	13.46	12.79	16.66
27	12.21	13.47	15.23	20.85	19.62	18.22	13.10	12.86	12.38	12.61	12.86	15.59
28	12.26	13.78	15.30	19.35	17.87	17.02	13.80	12.95	12.78	12.49	13.24	15.25
29	12.24	12.48	14.61	18.36	-----	16.33	13.83	13.32	12.58	13.22	13.02	13.86
30	12.27	12.33	15.77	16.76	-----	21.49	13.47	13.54	12.77	12.35	13.05	13.55
31	12.24	-----	17.51	15.30	-----	22.97	-----	13.49	-----	12.33	12.00	-----
MEAN	12.27	12.60	13.70	15.54	18.25	17.61	15.72	13.88	13.30	12.83	12.44	13.89
MAX	12.50	13.87	17.51	21.17	23.54	25.44	22.21	15.23	14.38	13.55	13.85	20.08
MIN	12.15	12.18	12.17	13.02	13.71	13.25	13.10	12.44	12.38	12.01	11.90	12.14
CAL YR 1974	MEAN 14.59		MAX 22.14		MIN 12.06							
WTR YR 1975	MEAN 14.35		MAX 25.48		MIN 11.90							

MOBILE RIVER BASIN

02397000 Coosa River near Rome, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
02...	1415	2360	7.8	18.5	--
15...	1650	2240	7.4	19.5	7.8
NOV.					
13...	1450	2940	7.4	11.0	9.2
DEC.					
18...	1310	4400	7.4	7.0	10.6
FEB.					
05...	1230	27700	7.3	8.0	10.5
MAR.					
17...	1600	24000	7.3	11.0	10.1
APR.					
30...	1345	4480	7.6	17.5	7.6
JUNE					
11...	1400	4820	7.5	22.5	7.2
JULY					
23...	0830	5000	7.5	25.5	--
SEP.					
04...	0730	6560	7.5	24.5	7.1

DATE	ALKA- LITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca, Mg) (MG/L)
OCT.						
15...	4	.18	.03	.04	.17	44
NOV.						
13...	44	.25	.03	.04	.19	44
DEC.						
18...	41	.25	.05	.06	.14	46
FEB.						
05...	23	.20	<.02	--	.17	31
MAR.						
17...	18	.15	<.04	--	.11	28
APR.						
30...	38	.31	.02	.03	.10	50
JUNE						
11...	45	.36	.03	.04	.12	46
JULY						
23...	49	.35	.04	.05	.26	54
SEP.						
04...	37	.18	.21	.27	.15	34

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	COLOR (PLAT- INUM- COALF UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC H/100ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
15...	109	5	7	1.1	93000	3.0
NOV.						
13...	116	10	7	.9	430000	2.0
DEC.						
18...	110	30	14	1.3	23000	2.0
FEB.						
05...	65	75	12	1.4	23000	7.0
MAR.						
17...	65	100	54	1.4	21000	5.0
APR.						
30...	110	25	23	.7	9300	2.0
JUNE						
11...	90	20	25	.8	21000	3.0
JULY						
23...	134	15	38	1.2	4300	3.0
SEP.						
04...	85	10	20	.4	23000	4.0

MOBILE RIVER BASIN

331

02397500 Cedar Creek near Cedartown, Ga.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, on left bank 700 ft (213 m) downstream from bridge on State Highway 161, 4.5 mi (7.2 km) upstream from Lake Creek, and 4.5 mi (7.2 km) northwest of Cedartown.

DRAINAGE AREA.--109 mi² (282 km²).

PERIOD OF RECORD.--Discharge: October 1942 to September 1973.

Chemical analyses: February 1968 to current year.

AVERAGE DISCHARGE.--31 years (1942-73), 160 ft³/s (4.53 m³/s), 19.93 in/yr (506.2 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 8,820 ft³/s (250 m³/s) Nov. 28, 1948, gage height, 16.4 ft (5.00 m); minimum daily, 26 ft³/s (.74 m³/s) Oct. 20, Nov. 13, 14, 1954, Nov. 2, 3, 1968.

Maximum stage known since at least 1886, that of Nov. 28, 1948, from information by local resident.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
OCT.						
02...	1715	7.8	16.0	--		
15...	1200	7.5	17.5	4.8		
NOV.						
13...	1545	7.8	9.0	8.4		
DEC.						
18...	1415	7.9	7.5	8.9		
FEB.						
05...	1115	7.0	7.5	10.6		
MAR.						
17...	1650	7.5	13.0	10.0		
APR.						
29...	1415	7.7	20.0	8.7		
JUNE						
11...	1445	7.7	21.0	8.7		
JULY						
23...	0915	7.9	22.0	--		
SEP.						
04...	1245	7.9	24.0	7.3		

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
15...	134	.32	<.02	--	.36	140
NOV.						
13...	122	.28	<.02	--	.20	128
DEC.						
18...	108	.43	.13	.17	.30	112
FEB.						
05...	23	.19	<.02	--	.13	26
MAR.						
17...	37	.24	<.04	--	.06	53
APR.						
29...	84	.42	<.02	--	.12	106
JUNE						
11...	102	.43	.03	.04	.14	107
JULY						
23...	124	.70	.74	.95	.27	130
SEP.						
04...	107	.25	.33	.43	.16	112

MOBILE RIVER BASIN

02397500 Cedar Creek near Cedartown, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	COPI- CON- DUCT- ANCE (MICRO- MHO/S)	COLOR (PLAT- INUM- COBALT UNITS)	TURB- IDITY (JTU)	WTO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FFCAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
15...	350	5	2	1.0	<30	9.0
NOV.						
15...	340	4	3	1.4	2300	5.0
DEC.						
15...	250	5	6	1.3	9300	7.0
FEB.						
05...	63	50	64	1.9	9300	7.0
MAR.						
17...	114	30	15	1.3	9300	3.0
APR.						
20...	215	4	6	2.3	2300	5.0
MAY						
11...	183	10	13	1.1	15000	4.0
JULY						
23...	240	<5	3	.9	<30	3.0
SEP.						
04...	252	20	5	.9	230	9.0

MOBILE RIVER BASIN

333

02397530 Coosa River near Coosa, Ga.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County (Ga.) - Cherokee County (Ala.), Ga.-Ala. State Line, 6.5 mi (10.5 km) southwest of Coosa, and at mile 254.8 (410.0 km).

DRAINAGE AREA.--4,360 mi² (11,300 km²), approximately.

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	PH		TEMPER- ATURE		DIS- SOLVED OXYGEN					
		(UNITS)		(DEG C)		(MG/L)					
AUG.											
21...	1310	7.5		29.0		5.2					

DATE	TOTAL TSS (PPH)	TOTAL MANE- GANESE (PPH)	DIS- SOLVED MANG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (MG/L)	DIS- SOLVED PO- TAS- SIUM (K)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
AUG.										
21...	520	120	5.6	7.0	1.9	51	10	6.6	.27	.05

DATE	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE SUSPENSE (MG/L)	HARD- NESS (CA+MG) (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC PROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG.										
21...	.06	.21	14	52	142	5	11	1.4	2300	3.0

MOBILE RIVER BASIN

02397530 Coosa River near Coosa, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.				
02...	1545	7.7	22.5	--
15...	1740	7.3	21.0	7.8
NOV.				
13...	1200	7.3	13.5	8.7
DEC.				
17...	1630	7.4	8.5	8.0
FEB.				
05...	0935	6.9	8.0	9.3
MAR.				
19...	1300	7.2	10.0	10.2
APR.				
30...	0945	7.5	19.0	7.0
JUNE				
11...	1250	7.5	24.0	6.1
JULY				
22...	1230	7.5	29.5	--
SEP.				
04...	1145	7.8	29.0	6.8

DATE	TOTAL IRON (PPM)	TOTAL MANGANESE (PPM)	DIS- SOLVED CAL- CIUM (MG/L)	DIS- SOLVED MAG- NESIUM (MG/L)	DIS- SOLVED SODIUM (MG/L)	DIS- SOLVED TAS- SIUM (MG/L)	ALKAL- INITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLO- RIDE (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N)	DIS- SOLVED AMMONIA NITRO- GEN (N)
OCT.											
15...	210	<50	--	3.7	5.2	1.4	46	7.0	3.8	.14	.05
NOV.											
13...	400	50	13	4.2	8.6	2.6	52	15	4.8	.15	.09
DEC.											
17...	950	90	15	3.9	6.6	2.6	50	12	3.8	.26	.07
FEB.											
05...	4400	350	9.8	2.8	2.2	1.9	33	9.0	2.8	.24	.05
MAR.											
19...	1700	80	10	2.6	1.4	1.6	25	6.5	2.2	.23	<.04
APR.											
30...	840	<50	11	3.8	4.2	--	35	10	2.5	.25	<.02
JUNE											
11...	1200	100	12	3.7	5.9	2.3	48	11	3.7	.34	.08
JULY											
22...	460	80	--	--	8.3	1.7	47	13	2.0	.21	.03
SEP.											
04...	460	120	12	--	5.9	1.6	58	11	3.8	.22	.17

DATE	DIS- SOLVED AMMONIA (MG/L)	TOTAL PHOS- PHORUS (PPM)	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	HAZAR- DOUS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHO/CM)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY (MG/L)	FECAL COLI- FORM (EC H20TH)	TOTAL ORGANIC CARBON (C)
OCT.											
15...	.05	.26	4	108	46	120	5	5	1.0	2300	3.0
NOV.											
13...	.12	.24	8	146	52	146	15	8	.9	930	3.0
DEC.											
17...	.09	.20	17	140	40	134	20	19	2.6	43000	4.0
FEB.											
05...	.05	.27	194	250	36	87	70	96	2.4	23000	10
MAR.											
19...	--	.39	42	116	36	82	45	42	1.0	23000	3.0
APR.											
30...	--	.12	17	104	43	110	25	19	.8	430	3.0
JUNE											
11...	.10	.17	28	136	45	106	35	26	1.0	230	3.0
JULY											
22...	.04	.12	4	126	34	130	20	7	1.5	930	3.0
SEP.											
04...	.22	.17	8	122	54	135	20	10	1.1	930	5.0

02398000 Chattooga River at Summerville, Ga.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, on left bank 600 ft (183 m) downstream from bridge on U.S. Highway 27, 1 mi (1.6 km) southeast of Summerville, and 4 mi (6.4 km) upstream from Raccoon Creek.

DRAINAGE AREA.--193 mi² (500 km²).

PERIOD OF RECORD.--Discharge: March 1937 to current year.
Chemical analyses: March 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft (186.99 m) above mean sea level (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 352 ft³/s (9.97 m³/s), 24.77 in/yr (629.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,980 ft³/s (198 m³/s) Mar. 14, gage height, 15.54 ft (4.737 m); minimum, 74 ft³/s (2.10 m³/s) Sept. 6, gage height, 2.03 ft (.619 m).

Period of record: Maximum discharge, 24,500 ft³/s (694 m³/s) Mar. 29, 1951, gage height, 21.0 ft (6.40 m); minimum daily, 38 ft³/s (1.08 m³/s) Oct. 17, 1937, Nov. 9, 1939.

REMARKS.--Records good. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	81	485	1,100	416	521	1,170	183	176	129	97	83
2	76	78	240	900	434	474	902	177	159	125	100	82
3	78	78	165	800	659	413	931	184	145	172	93	78
4	77	80	142	1,000	1,110	378	714	184	141	129	91	77
5	77	91	129	800	2,350	355	599	174	143	120	108	76
6	77	92	120	620	1,490	334	522	167	165	127	118	75
7	79	82	143	500	978	322	464	174	177	150	111	128
8	78	80	391	560	756	323	423	198	166	136	98	204
9	80	76	302	500	636	289	416	262	141	119	124	97
10	82	78	221	700	531	294	442	231	164	115	323	90
11	82	94	186	1,500	469	461	381	193	418	114	540	107
12	83	101	168	1,300	512	654	345	182	593	108	234	93
13	81	89	152	1,000	440	1,380	320	175	302	106	172	87
14	81	85	140	801	387	5,770	324	164	242	105	140	80
15	80	83	142	621	360	2,030	323	174	236	102	131	79
16	96	79	152	508	701	1,190	296	273	250	100	134	78
17	98	82	139	418	1,710	1,020	283	324	205	98	116	88
18	86	83	131	371	1,870	904	271	515	182	96	109	563
19	82	83	128	351	3,690	1,920	268	340	171	95	202	210
20	78	345	125	421	1,350	1,350	267	280	174	99	119	144
21	82	220	119	385	936	950	241	239	162	97	104	134
22	82	130	115	341	750	827	230	214	149	95	99	159
23	82	111	112	315	743	774	224	193	144	92	94	1,150
24	83	102	245	307	1,680	1,170	221	181	140	120	92	4,050
25	82	99	1,030	3,830	1,010	1,150	222	170	134	143	90	889
26	81	95	745	3,440	767	775	218	174	133	107	88	494
27	80	92	488	1,100	669	644	201	173	130	100	87	379
28	83	91	400	808	597	560	194	161	130	102	110	302
29	84	88	1,000	649	-----	996	188	171	145	97	94	253
30	81	127	2,000	567	-----	4,830	186	176	132	93	86	219
31	80	-----	1,400	474	-----	2,440	-----	164	-----	95	85	-----
TOTAL	2,529	3,095	11,455	26,987	28,001	35,498	11,786	6,570	5,749	3,486	4,189	10,548
MEAN	81.6	103	370	871	1,000	1,145	393	212	192	112	135	352
MAX	98	345	2,000	3,830	3,690	5,770	1,170	515	593	172	540	4,050
MIN	76	76	112	307	360	289	186	161	130	92	85	75
CFSM	.42	.53	1.92	4.51	5.18	5.93	2.04	1.10	.99	.58	.70	1.82
IN.	.49	.60	2.21	5.20	5.40	6.84	2.27	1.27	1.11	.67	.81	2.03

CAL YR 1974 TOTAL 142,581 MEAN 391 MAX 3,720 MIN 76 CFSM 2.03 IN 27.48
WTR YR 1975 TOTAL 149,893 MEAN 411 MAX 5,770 MIN 75 CFSM 2.13 IN 28.89

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-26	0100	15.17	6,240	3-30	1700	14.94	5,790
2-19	0700	14.35	4,840	9-24	1400	14.26	4,710
3-14	1400	15.54	6,980				

MOBILE RIVER BASIN

02398000 Chattooga River at Summerville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
02...	0715	76	9.3	16.0	--
NOV.					
12...	1445	108	9.4	11.0	5.2
DEC.					
17...	1445	140	9.4	7.0	7.9
FEB.					
04...	1400	1060	9.4	9.0	10.3
MAR.					
19...	0945	2060	8.3	10.0	9.5
APR.					
29...	1215	177	8.3	19.0	6.7
JUNE					
11...	1035	262	7.9	16.0	7.9
JULY					
22...	1040	94	8.2	22.5	--
SEP.					
03...	1300	78	7.8	23.0	6.3
11...	1425	101	8.9	22.5	5.0

DATE	ALKAL- INITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
NOV.						
12...	229	.46	.43	.55	.87	108
DEC.						
17...	192	.38	.10	.13	.40	102
FEB.						
04...	68	.23	<.02	--	.14	65
MAR.						
19...	38	.24	<.04	--	.13	48
APR.						
29...	109	.46	.17	.22	.27	103
JUNE						
11...	122	.52	.03	.04	.25	100
JULY						
22...	173	.52	.07	.09	.48	120
SEP.						
11...	176	.80	.18	.23	.52	99

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/OS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
12...	570	35	7	5.4	1500	12
DEC.						
17...	390	10	5	6.1	230	9.0
FEB.						
04...	160	40	28	1.8	43000	6.0
MAR.						
19...	123	50	60	1.8	21000	4.0
APR.						
29...	310	8	5	2.2	91	5.0
JUNE						
11...	215	10	22	2.0	7500	6.0
JULY						
22...	440	8	4	1.9	36	46
SEP.						
11...	450	40	10	2.4	930	27

02398037 Chattooga River at Chattoogaville, Ga.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, at bridge on Holland-Chattoogaville Road, 0.4 mi (0.6 km) downstream from Hinton Creek, and 0.7 mi (1.1 km) south of Chattoogaville.

PERIOD OF RECORD.--August 1974 to current year. -

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 20...	1550	152	8.3	24.0	6.7

DATE	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca+Mg) (MG/L)
AUG. 20...	132	.61	.03	.04	.36	113

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	COLOR (PLAT- TINUM- COPALTI UNITS)	TUR- BID- ITY (JTU)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 20...	315	5	11	1.2	2300	3.0

MOBILE RIVER BASIN

02398037 Chattooga River at Chattoogaville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
02...	0845	104	8.1	15.5	--
NOV.					
12...	1545	146	7.9	9.0	7.4
DEC.					
17...	1530	122	8.0	6.0	9.0
FEB.					
04...	1530	1680	8.1	8.5	9.8
MAR.					
19...	1125	2670	8.2	10.5	9.9
APR.					
29...	1300	240	7.9	20.0	7.9
JUNE					
11...	1130	476	7.4	19.0	7.1
JULY					
22...	1130	114	7.8	24.0	--
SEP.					
03...	1345	105	7.6	25.0	6.9
11...	1530	617	7.4	22.0	6.7

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA,MG) (MG/L)
NOV.						
12...	147	.52	.06	.08	.76	118
DEC.						
17...	113	.53	.06	.08	.33	106
FEB.						
04...	67	.28	<.02	--	.16	69
MAR.						
19...	45	.24	<.04	--	.11	55
APR.						
29...	91	.56	.05	.06	.21	105
JUNE						
11...	74	.51	.03	.04	.29	70
JULY						
22...	124	.44	.03	.04	.27	120
SEP.						
11...	48	.26	.16	.21	.35	45

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.						
12...	350	20	5	1.8	2300	5.0
DEC.						
17...	260	20	10	1.6	2300	3.0
FEB.						
04...	160	40	33	1.9	43000	6.0
MAR.						
19...	136	35	39	1.5	3900	4.0
APR.						
29...	245	<5	7	1.2	230	2.0
JUNE						
11...	150	40	108	3.0	23000	9.0
JULY						
22...	290	--	5	1.0	36	3.0
SEP.						
11...	142	100	66	2.7	21000	25

MOBILE RIVER BASIN

339

02411800 Little River near Buchanan, Ga.

LOCATION.--Lat 33°47'51", long 85°07'03", Haralson County, on right bank 150 ft (46 m) upstream from county highway bridge, 4.5 mi (7.2 km) east of Buchanan, and 7 mi (11.3 km) upstream from mouth.

DRAINAGE AREA.--18 mi² (47 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft (338 m), from topographic map.

AVERAGE DISCHARGE.--16 years, 33.3 ft³/s (.943 m³/s), 25.12 in/yr (638.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 981 ft³/s (27.8 m³/s) Mar. 13, gage height, 5.70 ft (1.737 m); minimum, 5.8 ft³/s (164 l/s) Sept. 6, gage height, 0.08 ft (.024 m).

Period of record: Maximum discharge, 3,820 ft³/s (108 m³/s) Mar. 4, 1966, gage height, 12.58 ft (3.83 m), from rating curve extended above 2,300 ft³/s (65.1 m³/s) on basis of slope-area measurement at gage height, 12.47 ft (3.80 m); minimum, 1.6 ft³/s (45 l/s) Oct. 5, 6, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.5	71	51	30	49	51	41	31	14	14	9.7
2	10	9.5	38	39	34	48	55	34	21	23	12	8.3
3	9.9	9.6	26	36	124	42	67	61	20	21	11	7.2
4	9.9	9.5	21	61	284	40	52	47	17	15	11	6.8
5	9.6	16	18	43	227	39	46	35	17	14	16	6.4
6	9.5	12	16	35	137	38	43	29	17	19	27	6.4
7	9.3	11	27	30	109	41	40	83	17	36	22	9.3
8	9.3	10	89	54	80	40	38	62	16	20	16	9.7
9	9.3	10	51	55	69	35	73	57	15	16	25	8.4
10	8.9	9.8	33	75	56	42	77	41	17	14	69	7.5
11	8.7	16	26	152	48	63	59	32	32	15	70	18
12	8.3	20	22	110	63	123	49	28	48	13	37	12
13	8.4	13	20	86	50	457	43	25	29	12	22	11
14	8.2	14	18	59	43	357	80	23	21	11	17	9.1
15	8.4	16	38	47	40	152	82	31	22	11	14	8.0
16	19	13	37	40	117	155	60	47	20	11	12	7.6
17	13	12	27	35	133	136	51	50	17	12	11	10
18	11	22	22	31	116	182	45	81	16	12	10	23
19	10	17	26	34	115	182	41	53	15	11	10	15
20	9.3	32	26	51	77	131	38	37	14	14	10	12
21	8.9	21	23	36	62	117	35	28	15	15	9.2	10
22	8.9	16	20	31	56	101	33	25	14	12	8.8	16
23	8.9	14	19	31	70	78	31	22	13	12	8.4	189
24	9.2	13	69	45	187	124	31	20	12	23	8.0	156
25	10	13	94	170	102	92	30	19	13	41	7.7	87
26	9.8	12	68	107	76	73	29	26	13	18	10	55
27	10	12	46	70	62	60	28	23	13	15	12	36
28	9.4	11	43	51	53	54	27	21	13	13	9.6	22
29	9.3	11	154	42	-----	51	27	21	15	12	9.3	18
30	9.7	71	114	37	-----	77	27	21	16	13	9.1	16
31	9.6	-----	72	33	-----	58	-----	24	-----	16	8.9	-----
TOTAL	304.7	475.9	1,374	1,777	2,620	3,237	1,388	1,147	559	504	537.0	810.4
MEAN	9.83	15.9	44.3	57.3	93.6	104	46.3	37.0	18.6	16.3	17.3	27.0
MAX	19	71	154	170	284	457	82	83	48	41	70	189
MIN	8.2	9.5	16	30	30	35	27	19	12	11	7.7	6.4
CFSM	.55	.88	2.46	3.18	5.20	5.78	2.57	2.06	1.03	.91	.96	1.50
IN.	.63	.98	2.84	3.67	5.41	6.69	2.87	2.37	1.16	1.04	1.11	1.67
CAL YR 1974	TOTAL 13,497.1	MEAN 37.0	MAX 412	MIN 6.1	CFSM 2.06	IN 27.89						
WTR YR 1975	TOTAL 14,734.0	MEAN 40.4	MAX 457	MIN 6.4	CFSM 2.24	IN 30.45						

PEAK DISCHARGE (BASE, 500 CFS)

DATE TIME G.H. DISCHARGE

3-13 1030 5.70 981

MOBILE RIVER BASIN

02411930 Tallapoosa River below Tallapoosa, Ga.

LOCATION.--Lat 33°44'27", long 85°20'11", Haralson County, at bridge on U.S. Highway 78, 0.4 mi (0.6 km) upstream from Walker Creek, and 2.7 mi (4.3 km) west of Tallapoosa.

DRAINAGE AREA.--270 mi² (700 km²), approximately.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 30...	1215	129	6.6	24.0	7.7
SEP. 11...	1210	243	7.2	21.5	8.0

DATE	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
JULY 30...	9	.19	<.02	.05	11
SEP. 11...	14	.15	<.02	.07	13

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	COLOR (PLAT- INUM- COALTY (UNITS)	TUR- BID- ITY (JTU)	410- (CHEM- ICAL OXYGEN DEMAND) 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 30...	37	45	23	1.0	2300	5.0
SEP. 11...	35	40	15	--	--	3.0

02411930 Tallapoosa River below Tallapoosa, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
22...	1250	117	6.5	11.5	10.0
DEC.					
02...	1600	587	6.3	6.0	11.8
JAN.					
14...	1445	776	6.7	2.0	13.1
FEB.					
24...	1345	--	6.2	11.0	9.8
APR.					
08...	1145	612	6.8	12.5	10.2
MAY					
13...	1200	504	7.0	19.0	8.6
JUNE					
30...	1350	308	6.7	23.0	8.1
AUG.					
11...	1315	1450	6.1	22.0	8.1
SEP.					
22...	1200	255	7.0	18.5	6.7

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.						
22...	16	.08	<.02	--	.04	12
DEC.						
02...	9	.12	<.02	--	.08	10
JAN.						
14...	11	.12	<.02	--	.04	8
FEB.						
24...	4	.08	<.02	--	.14	8
APR.						
08...	8	.11	<.02	--	.03	9
MAY						
13...	9	.15	.05	.06	.02	10
JUNE						
30...	12	.15	.02	.03	.04	10
AUG.						
11...	11	.11	<.02	--	.15	11
SEP.						
22...	13	.14	<.02	--	.04	11

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
22...	42	35	7	1.8	73	3.0
DEC.						
02...	35	60	39	1.6	4300	6.0
JAN.						
14...	31	55	30	1.5	390	4.0
FEB.						
24...	24	100	104	1.9	9300	9.0
APR.						
08...	28	25	11	.5	430	3.0
MAY						
13...	30	20	16	.7	36	3.0
JUNF						
30...	35	30	15	--	930	3.0
AUG.						
11...	33	70	180	2.0	4300	9.0
SEP.						
22...	36	35	16	.7	430	4.0

MOBILE RIVER BASIN

02413210 Little Tallapoosa River below Bowdon, Ga.

LOCATION.--Lat 33°29'34", long 85°16'45", Carroll County, at bridge on State Highway 100, 1.9 mi (3.1 km) upstream from Indian Creek, and 3.8 mi (6.1 km) southwest of Bowdon.

PERIOD OF RECORD.--July 1974 to current year.

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JULY 30...	1340	--	6.9	25.0	8.6
SEP. 11...	1325	193	7.2	22.5	7.6

DATE	ALKA- LINIT- AS CaCO3 (MG/L)	DIS- SOLVED NITRATE PLUS NITRITE (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca, Mg) (MG/L)
JULY 30...	17	.73	<.02	--	.22	15
SEP. 11...	17	.77	.03	.04	.12	14

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC B/100ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY 30...	69	35	22	1.2	30	2.0
SEP. 11...	60	30	11	--	--	3.0

02413210 Little Tallapoosa River below Bowdon, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
22...	1410	71	6.7	11.5	8.7
DEC.					
02...	1715	527	6.5	4.5	9.6
JAN.					
14...	1550	742	6.5	3.0	12.1
FEB.					
24...	1230	1930	6.2	11.5	8.0
APR.					
08...	1245	620	6.8	13.5	9.2
MAY					
13...	1300	361	6.9	20.5	7.6
JUNE					
30...	1250	156	6.8	24.5	7.4
AUG.					
11...	1150	942	6.8	22.0	6.7
SEP.					
22...	1315	162	6.8	19.0	6.5

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA+MG) (MG/L)
OCT.						
22...	17	.68	.06	.08	.17	16
DEC.						
02...	10	.26	.07	.09	.17	12
JAN.						
14...	11	.29	.09	.12	.13	12
FEB.						
24...	6	.20	.03	.04	.18	9
APR.						
08...	9	.23	.07	.09	.09	11
MAY						
13...	10	.45	.07	.09	.09	12
JUNE						
30...	14	.79	.05	.06	.14	15
AUG.						
11...	12	.24	.09	.12	.22	11
SEP.						
22...	14	.76	.05	.06	.12	13

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
22...	79	35	19	2.4	230	4.0
DEC.						
02...	48	60	56	2.4	4300	6.0
JAN.						
14...	44	70	46	1.1	430	5.0
FEB.						
24...	33	100	120	2.2	2300	9.0
APR.						
08...	37	50	33	1.0	230	10
MAY						
13...	44	20	22	1.3	930	3.0
JUNE						
30...	55	40	20	--	36	3.0
AUG.						
11...	42	80	160	2.4	4300	8.0
SEP.						
22...	58	35	19	1.8	2300	5.0

Carters Lake and Carters Re-regulation Dam near Carters, Ga.

02381400 CARTERS LAKE.--Lat 34°36'50", long 84°40'16", Murray County, at forebay of dam on Coosawattee River, 1.3 mi (2.1 km) upstream from Talking Rock Creek, 1.3 mi (2.1 km) east of Carters, 1.9 mi (3.1 km) upstream from Louisville and Nashville Railway bridge, and at mile 26.8 (43.1 km). Drainage area, 376 mi² (974 km²). Period of record, November 1974 to current year. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for current year: Maximum contents, 381,000 acre-ft (470 hm³) July 22, elevation, 1,073.5 ft (327.20 m); minimum, after first filling, 372,800 acre-ft (460 hm³), Sept. 4, elevation, 1,070.9 ft (326.41 m).

Lake is formed by rolled rock-filled dam. Emergency spillway, crest elevation, 1,070 ft (326.14 m), is equipped with 5 taintor gates 42 ft (12.8 m) wide by 36.6 ft (11.2 m) high. There is one sluice 16.5 ft (5.0 m) in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft (311.51 m) Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft (334.98 m), 472,800 acre-ft (583 hm³). Capacity at maximum power pool elevation, 1,072 ft (326.75 m), 377,100 acre-ft (465 hm³). Dead storage below elevation 1,022 ft (311.51 m), 242,200 acre-ft (299 hm³). Lake is used for flood control and power. Capacity table and monthend elevations furnished by Corps of Engineers.

02382400 CARTERS RE-REGULATION DAM.--Lat 34°36'15", long 84°41'29", Murray County, on Coosawattee River, 0.2 mi (0.3 km) downstream from Talking Rock Creek, 0.2 mi (0.3 km) upstream from Louisville and Nashville Railway bridge, 1.5 mi (2.4 km) downstream from main dam, and at mile 25.3 (40.7 km). Gage is at afterbay of main dam. Drainage area, 530 mi² (1,370 km²). Period of record, July to September 1975. Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Extremes for period July to September 1975: Maximum contents, 9,100 acre-ft (11.2 hm³) Aug. 1, elevation, 687.40 ft (209.52 m); minimum, June 30, 500 acre-ft (.62 hm³), elevation, 666.12 ft.

Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway, crest elevation, 662.5 ft (201.93 m), is equipped with 4 taintor gates 42 ft (12.8 m) wide by 36.5 ft (11.1 m) high, capacity at maximum storage pool, elevation, 698 ft (212.8 m), 17,600 acre-ft (21.7 hm³). Dead storage, 290 acre-ft (0.36 hm³). The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by Corps of Engineers.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre-feet)	Elevation (feet)	Contents (acre-feet)	Combined change in contents (acre-feet)
	02381400 Carters Lake		02382400 Carters Re-regulation Dam		Carters Lake and Carters Re-regulation Dam
Sept. 30.....	678.0	100	-	-	-
Oct. 31.....	679.0	1,000	-	-	+900
Nov. 30.....	768.5	10,000	-	-	+9,000
Dec. 31.....	813.1	25,000	-	-	+15,000
CAL YR 1974	-	-	-	-	+25,000
Jan. 31.....	899.6	71,000	-	-	+46,000
Feb. 28.....	994.5	186,600	-	-	+115,600
Mar. 31.....	1,047.0	302,600	-	-	+116,000
Apr. 30.....	1,062.8	347,600	-	-	+45,000
May 31.....	1,071.2	373,700	-	-	+26,100
June 30.....	1,071.7	375,600	666.12	500	+2,400
July 31.....	1,072.58	378,200	685.90	8,100	+10,200
Aug. 31.....	1,072.04	376,400	679.10	3,500	-6,400
Sept. 30.....	1,071.62	375,100	679.90	3,900	-900
WTR YR 1975	-	-	-	-	+379,000

02393500 Allatoona Lake near Cartersville, Ga.

LOCATION.--Lat 34°09'46", long 84°43'40", Bartow County, at forebay of dam on Etowah River, 2.8 mi (4.5 km) upstream from Nashville, Chattanooga & St. Louis Railway bridge, 4 mi (6.4 km) east of Cartersville, and 6 mi (9.7 km) upstream from Pumpkinvine Creek.

DRAINAGE AREA.--1,110 mi² (2,870 km²), approximately.

PERIOD OF RECORD.--December 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 400,000 acre-ft (493 hm³) Apr. 3, elevation, 842.66 ft (256.84 m); minimum, 200,900 acre-ft (248 hm³) Jan. 3, elevation, 822.75 ft (250.77 m).

Period of record: Maximum contents, 693,800 acre-ft (855 hm³) Apr. 10, 1964, elevation, 861.19 ft (262.49 m); minimum, 119,600 acre-ft (147 hm³) Dec. 4, 1954, elevation, 809.34 ft (246.69 m).

REMARKS.--Lake is formed by concrete gravity dam. Spillway, crest elevation, 835.0 ft (254.51 m) is equipped with nine taintor gates 40 ft (12.2 m) wide by 25 ft (7.6 m) high. There are four sluices 5.67 ft (1.73 m) by 10 ft (3.05 m) high and one sluice 4.0 ft (1.22 m) 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 (262.13 m), top of gates is 670,000 acre-ft (826 hm³), of which 587,100 acre-ft (724 hm³) is controlled storage above 800 ft (243.84 m), minimum pool. Lake is used for flood control and power.

COOPERATION.--Records furnished by Corps of Engineers.

MONTHEND GAGE HEIGHT AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30.....	834.25	303,600	-
Oct. 31.....	830.66	268,000	-35,600
Nov. 30.....	827.03	235,300	-32,700
Dec. 31.....	824.39	213,600	-21,700
CAL YR 1974.....	-	-	-32,200
Jan. 31.....	826.92	234,400	+20,800
Feb. 28.....	833.44	295,300	+60,900
Mar. 31.....	841.86	390,000	+94,700
Apr. 30.....	839.20	358,100	-31,900
May 31.....	840.57	374,300	+16,200
June 30.....	840.54	373,900	-400
July 31.....	840.09	368,500	-5,400
Aug. 31.....	837.16	334,900	-33,600
Sept. 30.....	836.70	329,800	-5,100
WTR YR 1975.....	-	-	+26,200

03545000 Hiwassee River at Presley, Ga.

LOCATION.--Lat 34°54'17", long 83°42'01", Towns County, on left bank 0.1 mi (0.2 km) downstream from Cynth Creek, 0.5 mi (0.8 km) southeast of Presley, 1.4 mi (2.3 km) upstream from Hightower Creek, and at mile 133.9 (215.4 km).

DRAINAGE AREA.--45.5 mi² (118 km²).

PERIOD OF RECORD.--Discharge: October 1941 to current year. Monthly discharge only for some periods, published in WSP 1306.
Chemical analyses: October 1968 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 1,932.69 ft (589.08 m) above mean sea level.

AVERAGE DISCHARGE.--34 years, 137 ft³/s (3.88 m³/s), 40.89 in/yr (1038.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) Mar. 13, gage height, 6.42 ft (1.957 m); minimum daily, 30 ft³/s (.85 m³/s) Oct. 14, Nov. 3, 4, 10.

Period of record: Maximum discharge, 5,700 ft³/s (161 m³/s) Mar. 11, 1952, gage height, 15.24 ft (4.645 m), from rating curve extended above 3,000 ft³/s (85.0 m³/s) on basis of slope-area and contracted-opening measurements at gage heights 12.80 and 15.24 ft (3.901 and 4.645 m), respectively; minimum, 15 ft³/s (.42 m³/s) Dec. 16, 1958, gage height, 1.48 ft (.451 m), result of a freezeup; minimum daily, 23 ft³/s (.65 m³/s) Sept. 29, Oct. 5, 6, 8, 10-13, 1954, Sept. 7, 1957.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 973: 1942. WSP 1910: 1957-58, 1959-60(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	31	228	140	139	263	385	156	152	96	55	51
2	40	31	128	128	220	243	343	138	125	106	54	47
3	38	30	101	130	240	223	320	144	114	88	51	45
4	38	30	86	146	434	210	288	138	108	79	57	44
5	36	56	78	132	620	200	270	130	105	75	59	43
6	35	35	72	125	423	190	255	125	103	73	94	44
7	37	32	117	117	324	198	243	136	96	73	63	126
8	35	32	208	114	272	188	233	128	91	69	57	105
9	34	31	162	112	245	178	228	130	88	68	55	67
10	34	30	134	193	222	188	218	123	88	66	91	61
11	32	34	117	463	203	203	208	117	112	66	78	67
12	31	48	108	391	228	218	198	123	116	65	64	62
13	31	35	98	427	198	610	190	126	94	61	59	58
14	30	37	88	290	186	1,000	193	116	86	61	56	54
15	42	38	96	233	178	517	190	245	89	64	72	52
16	136	35	94	198	265	397	180	255	88	64	63	51
17	51	38	88	178	273	343	172	186	80	60	56	107
18	41	61	81	166	283	333	170	170	78	58	54	199
19	37	56	81	164	288	397	166	150	77	57	52	122
20	36	161	78	154	258	349	158	138	110	77	51	92
21	35	102	75	142	230	315	154	130	98	74	50	78
22	34	73	71	136	215	308	150	123	82	60	50	100
23	35	62	70	130	323	283	148	117	79	58	49	305
24	34	55	86	195	949	430	146	114	74	59	51	378
25	33	51	128	379	484	388	150	110	73	59	49	203
26	33	47	119	243	361	328	142	140	72	56	48	153
27	32	44	112	200	313	295	138	123	78	55	52	127
28	31	42	154	180	283	278	136	112	94	52	51	111
29	31	41	160	170	-----	394	134	125	97	51	50	100
30	31	167	158	160	-----	673	132	132	91	54	48	92
31	31	-----	148	145	-----	469	-----	130	-----	58	50	-----
TOTAL	1,202	1,565	3,524	6,081	8,657	10,609	6,038	4,330	2,838	2,062	1,789	3,144
MEAN	38.8	52.2	114	196	309	342	201	140	94.6	66.5	57.7	105
MAX	136	167	228	463	949	1,000	385	255	152	106	94	378
MIN	30	30	70	112	139	178	132	110	72	51	48	43
CFSM	.85	1.15	2.51	4.31	6.79	7.52	4.42	3.08	2.08	1.46	1.27	2.31
IN.	.98	1.28	2.88	4.97	7.08	8.67	4.94	3.54	2.32	1.69	1.46	2.57

CAL YR 1974 TOTAL 62,919 MEAN 172 MAX 869 MIN 30 CFSM 3.78 IN 51.44
WTR YR 1975 TOTAL 51,839 MEAN 142 MAX 1,000 MIN 30 CFSM 3.12 IN 42.38

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
1-10	2330	4.87	1,000	3-30	0530	4.24	812
2-24	0345	6.08	1,430	9-23	2100	4.55	914
3-13	2400	6.42	1,560				

TENNESSEE RIVER BASIN

347

03550500 Nottely River near Blairsville, Ga.

LOCATION.--Lat 34°50'28", long 83°56'10", Union County, on left bank 250 ft (76 m) upstream from county road bridge, 0.1 mi (0.2 km) downstream from Arkaqua Creek, 0.2 mi (0.3 km) upstream from Akins Creek, 2.7 mi (4.3 km) southeast of Blairsville, and at mile 44.3 (71.3 km).

DRAINAGE AREA.--74.8 mi² (194 km²).

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,812.47 ft (552.44 m), above mean sea level.

AVERAGE DISCHARGE.--33 years, 184 ft³/s (5.21 m³/s), 33.41 in/yr (848.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,200 ft³/s (62.3 m³/s) Mar. 13, gage height, 7.18 ft (2.188 m); minimum, 45 ft³/s (1.27 m³/s) Sept. 5, 6, gage height, 2.00 ft (.610 m).

Period of record: Maximum discharge, 12,900 ft³/s (365 m³/s) Aug. 23, 1967, gage height, 21.04 ft (6.413 m), from floodmark, from rating curve extended above 3,400 ft³/s (96.3 m³/s) on basis of contracted-opening measurement at gage heights 13.29 ft (4.051 m), 16.78 ft (5.115 m), and 21.04 ft (6.413 m); minimum, 27 ft³/s (.76 m³/s) Sept. 8, Oct. 7, 1947, gage height, 1.77 ft (.539 m).

REMARKS.--Records good. Occasional regulation by Lake Trahlyta in Vogel State Park.

REVISIONS (WATER YEARS).--WSP 1053: 1942(M), 1943. WSP 1236: 1946(M), 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	63	296	195	203	338	532	239	296	116	85	63
2	66	63	186	174	386	315	462	195	240	129	83	57
3	65	62	150	176	410	289	426	210	210	116	74	54
4	66	61	132	211	676	274	375	199	190	108	87	50
5	65	105	120	181	883	261	347	181	187	104	80	50
6	64	72	112	168	580	250	330	172	177	106	231	51
7	63	66	175	157	429	268	315	209	165	108	116	347
8	63	65	306	150	354	254	303	189	154	100	96	194
9	62	64	225	149	317	236	296	198	145	95	86	103
10	62	62	181	331	287	261	290	179	143	92	200	86
11	61	68	158	724	269	291	275	171	170	97	161	98
12	61	89	150	666	310	326	264	189	200	93	115	90
13	60	70	134	655	264	995	255	197	157	85	99	81
14	60	74	124	411	247	1,460	256	173	144	83	90	72
15	75	77	143	320	235	740	261	431	141	131	84	66
16	275	70	137	276	459	555	246	414	144	100	84	65
17	102	74	125	243	443	468	239	296	131	87	77	99
18	83	103	117	223	479	440	234	256	126	83	74	204
19	76	113	118	217	499	553	231	226	133	80	73	134
20	73	284	112	226	404	463	225	204	175	105	69	102
21	71	168	108	198	343	408	213	189	175	99	66	87
22	70	124	103	185	316	400	208	180	140	82	63	118
23	69	106	100	176	451	359	205	170	132	79	61	446
24	68	96	129	183	1,160	747	205	161	124	127	59	451
25	67	92	220	754	637	549	209	160	120	109	56	250
26	66	85	187	431	478	439	188	228	135	96	55	187
27	66	82	165	318	408	385	179	186	123	85	107	154
28	65	79	228	276	361	354	176	169	126	79	76	133
29	64	77	246	251	-----	603	173	283	123	75	64	118
30	64	278	233	231	-----	1,100	172	324	119	76	58	109
31	64	-----	211	215	-----	676	-----	280	-----	81	74	-----
TOTAL	2,303	2,892	5,131	9,071	12,288	15,057	8,090	6,858	4,745	3,006	2,803	4,119
MFAN	74.3	96.4	166	293	439	486	270	221	158	97.0	90.4	137
MAX	275	284	306	754	1,160	1,460	532	431	296	131	231	451
MIN	60	61	100	149	203	236	172	160	119	75	55	50
CFSM	1.99	1.29	2.22	3.92	5.87	6.50	3.61	2.95	2.11	1.30	1.21	1.83
IN.	1.15	1.44	2.55	4.51	6.11	7.49	4.02	3.41	2.36	1.49	1.39	2.05

CAL YR 1974 TOTAL 88.657 MFAN 243 MAX 1,560 MIN 60 CFSM 3.25 IN 44.09
WTR YR 1975 TOTAL 76.363 MFAN 209 MAX 1,460 MIN 50 CFSM 2.79 IN 37.98

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE TIME G.H. DISCHARGE

3-13 2330 7.18 2,200

TENNESSEE RIVER BASIN

03553500 Nottely River at Nottely Dam, near Ivylog, Ga.

LOCATION.--Lat 34°57'55", long 84°05'25", Union County, on right bank 1,600 ft (488 m) downstream from Rhodes Branch, 0.6 mi (1.0 km) downstream from Nottely Dam, 0.6 mi (1.0 km) upstream from Dooley Creek, 1.8 mi (2.9 km) northwest of Ivylog, and at mile 20.4 (32.8 km).

DRAINAGE AREA.--215 mi² (557 km²).

PERIOD OF RECORD.--Discharge: July 1942 to September 1975 (discontinued).

Chemical analyses: October 1968 to July 1974.

GAGE.--Water-stage recorder. Datum of gage is 1,599.21 ft (487.44 m) above mean sea level.

AVERAGE DISCHARGE.--33 years, 421 ft³/s (11.9 m³/s), 26.59 in/yr (675.4 mm/yr), adjusted for storage.

EXTREMES.--Current year: Maximum discharge, 1,960 ft³/s (55.5 m³/s) Feb. 25, gage height, 5.13 ft (1.564 m); minimum daily, 13 ft³/s (.37 m³/s) Nov. 17.

Period of record: Maximum discharge, 8,000 ft³/s (227 m³/s) May 28, 1973, gage height, 11.63 ft (3.545 m), from rating curve extended above 2,000 ft³/s (56.6 m³/s) by computation of flow over dam at gage heights, 8.84 and 11.63 ft (2.694 and 3.545 m), respectively; minimum, 0.1 ft³/s (2.8 l/s) Sept. 6-9, 1954, gage height, 0.15 ft (.046 m).

REMARKS.--Records good except those for period of no gage-height record, which are fair. Flow completely regulated by Nottely Lake (see sta. 03553000).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	670	775	15	719	471	963	489	764	487	710	674	16
2	660	301	15	868	613	522	18	56	621	796	16	795
3	616	14	288	15	643	579	452	20	920	851	16	830
4	657	661	280	15	1,010	638	259	19	854	540	619	886
5	221	800	293	15	762	818	389	866	801	18	642	759
6	15	553	286	15	1,260	523	216	1,000	864	18	632	15
7	1,090	281	15	305	867	657	374	1,170	590	861	630	18
8	688	557	158	310	773	1,040	295	926	250	601	636	705
9	649	987	345	322	762	804	239	1,130	748	861	414	912
10	907	494	263	425	634	16	246	857	362	806	17	738
11	975	573	287	239	632	358	562	20	742	557	658	698
12	15	551	333	1,140	327	360	133	1,040	611	260	760	633
13	15	1,280	307	926	514	691	84	809	426	17	750	15
14	724	921	15	1,030	450	249	621	958	205	593	755	15
15	664	896	15	645	454	881	238	590	18	945	774	647
16	663	586	402	664	452	1,060	250	147	893	1,130	635	696
17	662	13	801	692	457	1,080	336	19	869	964	16	518
18	670	618	511	76	636	425	245	19	1,010	916	780	513
19	15	804	366	22	943	326	19	19	1,100	622	987	562
20	15	210	316	602	1,030	294	20	1,010	1,050	17	1,130	15
21	749	707	351	429	1,120	304	20	755	709	500	750	15
22	1,500	986	311	465	1,160	337	19	1,070	223	478	751	562
23	926	1,190	314	375	1,090	304	19	835	731	798	137	254
24	622	1,140	15	360	1,500	429	21	843	796	955	16	266
25	661	1,100	15	399	1,140	300	31	19	847	752	786	263
26	14	561	786	345	1,000	302	19	195	785	397	792	555
27	295	425	15	834	987	277	53	558	652	301	660	542
28	617	15	15	461	989	303	781	735	870	950	713	15
29	689	15	15	494	-----	328	85	348	573	852	758	620
30	618	15	15	503	-----	382	19	714	683	849	583	609
31	641	-----	15	499	-----	859	-----	580	-----	697	15	-----
TOTAL	17,934	18,629	7,478	14,209	22,676	16,409	6,552	18,091	20,290	19,612	17,502	13,687
MEAN	579	621	241	458	810	529	218	584	676	633	565	456
MAX	1,500	1,280	801	1,140	1,500	1,080	781	1,170	1,100	1,130	1,130	912
MIN	14	13	15	15	327	16	18	19	18	17	15	15
(+)	-10,700	-9,300	+4,300	+5,000	+4,000	+17,500	+11,300	-2,000	-8,700	-10,100	-8,900	-2,900
MEAN†	234	311	380	619	953	1,094	595	519	386	307	278	359
CFSM†	1.09	1.45	1.77	2.88	4.43	5.09	2.77	2.41	1.80	1.43	1.29	1.67
IN†	1.26	1.62	2.04	3.32	4.61	5.87	3.09	2.78	2.01	1.65	1.49	1.86

CAL YR 1974 TOTAL 212,059.7 MEAN 581 MAX 1,600 MIN 2.3 MEAN† 560 CFSM† 2.60 IN† 35.29
WTR YR 1975 TOTAL 193,069.0 MEAN 529 MAX 1,500 MIN 13 MEAN† 500 CFSM† 2.33 IN† 31.63

† Change in contents, in cfs days, in Nottely Lake, furnished by Tennessee Valley Authority.

‡ Adjusted for change in lake contents.

NOTE.--No gage-height record Nov. 20 to Jan. 7.

03558000 Toccoa River near Dial, Ga.

LOCATION.--Lat 34°47'24", long 84°14'24", Fannin County, on right bank 1.4 mi (2.3 km) upstream from Shallowford Bridge, 1.8 mi (2.9 km) upstream from Stanley Creek, 2.5 mi (4.0 km) northwest of Dial, and at mile 69.1 (111.2 km).

DRAINAGE AREA.--177 mi² (458 km²).

PERIOD OF RECORD.--October 1912 to current year. Prior to January 1913 monthly discharge only, published in WSP 1306.

GAGE.--Water-stage recorder. Datum of gage is 1,792.08 ft (546.23 m) above mean sea level. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927 to Nov. 16, 1928, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--63 years, 493 ft³/s (14.0 m³/s), 37.82 in/yr (960.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,110 ft³/s (88.1 m³/s) Mar. 14, gage height, 5.54 ft (1.689 m); minimum, 159 ft³/s (4.50 m³/s) Nov. 11, Sept. 5, 6.

Period of record: Maximum discharge, 14,700 ft³/s (416 m³/s) Aug. 23, 1967, gage height, 13.73 ft (4.185 m), from rating curve extended above 5,000 ft³/s (142 m³/s) on basis of slope-area measurement at gage height 11.20 ft (3.414 m), and a contracted-opening measurement at 13.73 ft (4.185 m); minimum, 60 ft³/s (1.70 m³/s) Sept. 6, 1925, gage height, .40 ft (.122 m).

Flood of November 1906 reached a stage of 18.5 ft (5.64 m) and is highest known since about 1840, from reports of Tennessee Valley Authority.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 823: Drainage area. WSP 1386: 1923(M), 1924, 1927(M), 1929-32(M), 1933, 1934(M), 1944(M).

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	171	561	412	562	900	1,350	729	749	406	322	236
2	227	167	369	385	814	875	1,240	759	605	428	316	194
3	227	167	311	400	814	835	1,190	666	546	379	279	182
4	231	163	280	483	1,210	790	1,110	657	512	363	295	170
5	231	296	263	423	1,870	765	1,060	617	491	374	346	166
6	227	218	251	407	1,300	742	1,010	582	513	345	511	178
7	223	184	276	379	1,030	770	968	577	498	353	393	459
8	223	176	509	375	885	765	944	598	475	333	362	520
9	219	169	395	387	828	715	924	758	434	331	305	277
10	215	165	338	477	773	746	911	682	400	343	468	262
11	211	184	312	1,220	745	820	886	617	438	347	494	332
12	211	258	308	898	889	830	852	584	543	316	363	304
13	211	191	283	1,010	757	1,430	821	580	552	302	320	266
14	207	192	267	729	717	2,500	812	559	504	292	300	227
15	223	206	282	641	691	1,410	818	738	451	440	296	207
16	522	180	327	589	972	1,190	794	878	414	347	355	201
17	290	195	275	548	1,070	1,100	766	716	403	313	286	247
18	231	245	259	523	1,160	1,060	754	664	392	308	277	401
19	212	255	273	524	1,270	1,290	740	616	398	301	278	293
20	202	580	263	569	1,030	1,130	723	578	406	297	249	246
21	196	382	251	507	900	1,040	706	550	404	301	240	223
22	192	282	243	482	845	1,040	688	532	377	274	231	371
23	191	247	234	473	1,040	925	677	517	363	291	227	689
24	189	227	314	484	2,040	1,840	665	502	354	490	220	738
25	187	222	531	1,570	1,310	1,410	659	490	352	371	215	476
26	184	207	451	958	1,110	1,180	662	497	355	394	207	393
27	182	195	384	732	1,030	1,080	644	533	386	328	203	346
28	178	191	474	667	950	1,030	631	510	450	294	256	315
29	175	185	505	629	-----	1,450	617	496	375	281	212	294
30	175	379	507	601	-----	2,450	608	738	378	314	197	280
31	171	-----	463	577	-----	1,590	-----	653	-----	303	245	-----
TOTAL	6,800	6,879	10,759	19,059	28,612	35,698	25,230	19,173	13,518	10,559	9,268	9,493
MEAN	219	229	347	615	1,022	1,152	841	618	451	341	299	316
MAX	522	580	561	1,570	2,040	2,500	1,350	878	749	490	511	738
MIN	171	163	234	375	562	715	608	490	352	274	197	166
CFSM	1.24	1.29	1.96	3.47	5.77	6.51	4.75	3.49	2.55	1.93	1.69	1.79
IN.	1.43	1.45	2.26	4.01	6.01	7.50	5.30	4.03	2.84	2.22	1.95	2.00
CAL YR 1974	TOTAL	222,339	MEAN	609	MAX	2,630	MIN	163	CFSM	3.44	IN	46.73
WTR YR 1975	TOTAL	195,048	MEAN	534	MAX	2,500	MIN	163	CFSM	3.02	IN	40.99

PEAK DISCHARGE (BASE, 2,400 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
2-24	0600	5.14	2,710	3-24	1600	5.21	2,810
3-14	0200	5.54	3,110	3-30	0515	5.32	2,990

TENNESSEE RIVER BASIN

03566800 South Chickamauga Creek at Graysville, Ga.

LOCATION.--Lat 34°58'39", long 85°08'42", Catoosa County, at bridge on Graysville Road at Graysville, 200 ft (61 m) above dam at Swanson Mill, and 19.5 mi (31.4 km) above mouth.

DRAINAGE AREA.--198 mi² (513 km²).

PERIOD OF RECORD.-- August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 20...	1100	78	8.0	22.0	7.3

DATE	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
AUG. 20...	110	.36	.02	.03	.05	121

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COALIT UNITS)	TUR- BID- ITY (JTU)	RIQ- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BOTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 20...	540	5	17	.5	230	4.0

03566800 South Chickamauga Creek at Graysville, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DTS- SOLVED OXYGEN (MG/L)
OCT.					
01...	1515	78	8.2	17.0	8.4
NOV.					
12...	1145	136	7.5	14.0	8.3
DEC.					
17...	1230	136	7.7	6.0	10.0
FEB.					
04...	1040	--	7.2	9.0	9.7
MAR.					
19...	0730	--	7.7	11.0	10.0
APR.					
29...	0945	480	7.6	20.0	5.4
JUNE					
11...	0840	92	7.8	19.0	6.9
JULY					
22...	0700	69	8.0	22.0	6.8
SEP.					
03...	0945	57	--	22.5	6.8
11...	1105	156	7.8	21.0	7.3

DATE	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.						
01...	121	.22	<.02	--	.02	134
NOV.						
12...	119	.09	<.02	--	.03	130
DEC.						
17...	108	.03	<.02	--	.04	122
FEB.						
04...	40	.29	<.02	--	.11	48
MAR.						
19...	44	.24	<.04	--	.09	62
APR.						
29...	79	.19	<.02	--	<.02	108
JUNE						
11...	107	.47	.03	.04	.05	124
JULY						
22...	118	.32	<.02	--	.05	134
SEP.						
11...	91	.44	.06	.08	.12	102

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
01...	255	5	9	.3	<30	3.0
NOV.						
12...	250	5	4	.5	430	27
DEC.						
17...	232	5	5	.7	930	1.0
FEB.						
04...	103	70	36	1.4	9300	6.0
MAR.						
19...	134	30	42	1.3	9300	4.0
APR.						
29...	207	5	6	.7	430	2.0
JUNE						
11...	185	10	23	.5	2300	2.0
JULY						
22...	260	<5	12	.4	230	29
SEP.						
11...	205	40	22	.8	9300	17

TENNESSEE RIVER BASIN

03567340 West Chickamauga Creek near Lakeview, Ga.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, at Dyer Bridge on Cloud Springs Road, and 3 mi (4.8 km) southeast of Lakeview.

DRAINAGE AREA.--148 mi² (383 km²).

PERIOD OF RECORD.--August 1974 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS- CHARGE (CFS)	pH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG. 20...	1220	39	7.7	23.0	4.4

DATE	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH ₄) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (Ca, Mg) (MG/L)
AUG. 20...	128	.54	.05	.06	.46	126

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT (UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (FC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 20...	330	5	15	1.2	36	4.0

03567340 West Chickamauga Creek near Lakeview, Ga.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
OCT.					
01...	1600	31	7.9	17.5	--
NOV.					
12...	1230	56	7.4	11.5	6.0
DEC.					
17...	1315	95	7.6	6.0	9.0
FEB.					
04...	1130	--	7.6	9.5	8.8
MAR.					
19...	0815	--	7.8	10.0	9.1
APR.					
29...	1015	161	7.6	19.5	5.2
JUNE					
11...	0905	87	7.7	19.0	7.2
JULY					
22...	0800	35	7.5	22.0	--
SEP.					
03...	1030	36	7.1	22.5	5.8
11...	1140	37	7.9	21.0	5.6

DATE	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	HARD- NESS (CA, MG) (MG/L)
OCT.						
01...	150	.37	.04	.05	.61	129
NOV.						
12...	164	.20	.03	.04	.59	130
DEC.						
17...	130	.57	.05	.06	.19	134
FEB.						
04...	92	.46	.02	.03	.17	100
MAR.						
19...	69	.47	.04	.05	.18	94
APR.						
29...	94	.44	.05	.06	.16	118
JUNE						
11...	122	.66	.05	.06	.26	138
JULY						
22...	152	.47	.04	.05	.58	130
SEP.						
11...	132	.60	.08	.10	.27	131

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- CORALIT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (EC BROTH) (MPN)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.						
01...	360	20	5	.8	91	6.0
NOV.						
12...	435	15	4	1.4	930	25
DEC.						
17...	310	5	10	1.2	430	3.0
FEB.						
04...	207	50	46	1.6	9300	7.0
MAR.						
19...	205	35	34	2.1	2300	4.0
APR.						
29...	240	5	8	1.2	<30	3.0
JUNE						
11...	205	15	27	1.2	9300	3.0
JULY						
22...	335	4	10	2.7	430	41
SEP.						
11...	285	20	9	.9	2300	12

Lakes in Tennessee River basin

03553000 NOTTELY LAKE.--Lat 34°57'29", long 84°05'22", Union County, at dam on Nottely River, 1.3 mi (2.1 km) upstream from Dooley Creek, 1.7 mi (2.7 km) southwest of Ivylog, 2.5 mi (4.0 km) upstream from Georgia-North Carolina State line, and at mile 21.0 (33.8 km). Drainage area, 214 mi² (554 km²). Period of record, January 1942 to current year. Water-stage recorder. Datum of gage is at mean sea level. Extremes for current year: Maximum contents, 76,200 ft³/s-days (186.5 hm³) May 5, elevation, 1,774.14 ft (540.76 m); minimum, 31,300 ft³/s-days (76.59 hm³) Nov. 27, elevation, 1,738.07 ft (529.76 m). Extremes for period of record: Maximum contents, 94,100 ft³/s-days (230.3 hm³) Apr. 20, 1943, elevation, 1,780.50 ft (542.70 m); maximum elevation, 1,781.47 ft (542.99 m) May 28, 1973; minimum (after first filling), 200 ft³/s-days (.4894 hm³) Oct. 6, 1947, elevation, 1,638.6 ft (499.44 m).

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 (542.54 m), top of flashboards, is 87,900 ft³/s-days (215.1 hm³), of which 81,500 ft³/s-days (199.4 hm³) is controlled storage above elevation 1,690.00 ft (515.11 m), minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

03558500 BLUE RIDGE LAKE.--Lat 34°52'52", long 84°16'49", Fannin County, 400 ft (122 m) upstream from Blue Ridge Dam on Toccoa River, 2.5 mi (4.0 km) northeast of Blue Ridge, and at mile 53.0 (85.3 km). Drainage area, 232 mi² (601 km²). Period of record, December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available). Water-stage recorder. Datum of gage is at sea level, Tennessee Electric Power Co. datum; to convert to datum of 1929, subtract 0.18 ft (.055 m) from elevations given herein. Extremes for current year: Maximum contents, 95,800 ft³/s-days (234.4 hm³) May 18, elevation, 1,688.99 ft (514.80 m); minimum, 32,200 ft³/s-days (78.79 hm³) Dec. 24, elevation, 1,637.81 ft (499.20 m). Extremes for period of record: Maximum contents recorded, 102,100 ft³/s-days (249.8 hm³) Feb. 11, 1946, elevation, 1,691.54 ft (515.58 m); minimum (after first filling), 6,500 ft³/s-days (15.91 hm³) Jan. 16, 1956, elevation, 1,587.75 ft (483.95 m).

Lake is formed by earth dam. Spillway equipped with five taintor gates 15 ft (4.57 m) high by 22 ft (6.71 m) wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft (515.42 m) (top of gates) is 98,800 ft³/s-days (241.8 hm³), of which 92,800 ft³/s-days (227.1 hm³) is controlled storage above 1,590.00 ft (484.63 m), minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
03553000 Nottely Lake				03558500 Blue Ridge Lake		
Sept. 30.....	1,758.79	52,600	-	1,668.17	64,400	-
Oct. 31.....	1,749.45	41,900	-10,700	1,655.67	49,500	-14,900
Nov. 30.....	1,739.62	32,600	-9,300	1,644.87	38,500	-11,000
Dec. 31.....	1,744.40	36,900	+4,300	1,641.53	35,400	-3,100
CAL YR 1974.....	-	-	-7,800	-	-	-14,000
Jan. 31.....	1,749.50	41,900	+5,000	1,653.54	47,200	+11,800
Feb. 28.....	1,753.21	45,900	+4,000	1,676.70	76,200	+29,000
Mar. 31.....	1,766.55	63,400	+17,500	1,688.55	95,100	+18,900
Apr. 30.....	1,773.33	74,700	+11,300	1,686.98	92,600	-2,500
May 31.....	1,772.22	72,700	-2,000	1,687.10	92,800	+200
June 30.....	1,766.91	64,000	-8,700	1,678.95	79,600	-13,200
July 31.....	1,759.79	53,900	-10,100	1,674.45	73,000	-6,600
Aug. 31.....	1,752.36	45,000	-8,900	1,668.98	65,500	-7,500
Sept. 30.....	1,749.70	42,100	-2,900	1,665.42	60,900	-4,600
WTR YR 1975.....	-	-	-10,500	-	-	-3,500

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are useable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream when continuous records are available, will give a picture of the low-flow potentiality of a stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1975

Discharge measurements made at low-flow partial record stations during water year 1975						
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Suwannee River basin						
02317600	Little River near Statenville, Ga.	Lat 30°42'12", long 83°07'21", Echols County, at county road, 5.5 miles west of Statenville.	199	1951-52, 1954, 1959, 1961, 1964-69, 1973-75	11-8-74	17.5
Apalachicola River basin						
*02348300	Patsiliga Creek near Reynolds, Ga.	Lat 32°34'20", long 84°05'27", Taylor County, at State Highway 128, 1 mile north of Reynolds.	139	1951, 1955, 1959, 1961-62, 1964-68, 1970, 1975	11-5-74	67.4

* Also a crest-stage station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain, but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Savannah River basin							
02191280	Mill Shoal Creek near Royston, Ga.	Lat 34°16'13", long 83°06'08", Hart County, at culvert on State Highway 17, 1.2 miles south-east of Royston.	0.32	1964-75	3-14-75	4.70	152
*02191300	Broad River above Carlton, Ga. <u>h</u>	Lat 34°04'24", long 83°00'12", Madison County, at State Highway 72, 2.8 miles northeast of Carlton.	760	1898-1912 [†] , 1913-18 ^g , 1920-75 ^g	3-13-75	21.2	15,600
02191930	Buffalo Creek near Lexington, Ga.	Lat 33°46'40", long 83°03'01", Oglethorpe County, at culvert on State Highway 22, 7 miles southeast of Lexington.	5.80	1964-75	4-2-75	5.89	588
02192300	Hog Fork Fishing Creek tributary near Tignall, Ga.	Lat 33°49'05", long 82°45'21", Wilkes County, at culvert on State Highway 17, 4.2 miles south of Tignall.	.097	1959-75	4-2-75	9.28	111
02197190	McBean Creek near McBean, Ga.	Lat 33°14'12", long 82°02'38", Richmond County, at State Highway 21, 5.5 miles west of McBean.	41.4	1963-75	4-3-75	4.24	266
Ogeechee River basin							
02200100	Little Ogeechee River at Hamburg, Ga.	Lat 33°12'25", long 82°46'38", Washington County, at State Highway 248, at Hamburg.	a55	1951-71, 1973-75	4-3-75	4.90	1,010
02200900	Big Creek near Louisville, Ga.	Lat 32°59'00", long 82°21'23", Jefferson County, at State Highway 17, about 3.2 miles southeast of Louisville.	95.8	1951-75	4-15-75	5.58	1,010
02200930	Ogeechee River tributary near Louisville, Ga.	Lat 32°55'20", long 82°18'49", Jefferson County, at culvert on State Highway 17, 8.5 miles southeast of Louisville.	14.2	1965-75	4-14-75	3.70	190
02201350	Buckhead Creek near Waynesboro, Ga.	Lat 32°58'21", long 82°07'15", Burke County, at State Highway 56, 10 miles southwest of Waynesboro.	a64	1963-75	2-20-75	6.35	1,120
02201800	Richardson Creek near Millen, Ga.	Lat 32°43'23", long 81°58'35", Jenkins County, at State Highway 67, 6 miles south of Millen.	a43	1963-75	7-15-75	5.34	1,410
02202000	Ogeechee River at Scarboro, Ga.	Lat 32°42'38", long 81°52'46", Jenkins County, at abandoned highway bridge at Scarboro, and 7.5 miles southeast of Millen.	a1,940	1938-71 [†] , 1972-75	2-25-75	10.67	16,200
02202800	Canoochee Creek near Swainsboro, Ga.	Lat 32°36'19", long 82°15'21", Emanuel County, at U.S. Highway 80, 4.8 miles east of Swainsboro.	a55	1951-75	7-30-75	6.47	938
02202900	Fifteen Mile Creek near Metter, Ga.	Lat 32°23'33", long 82°00'55", Candler County, at State Highway 46, 2.5 miles east of Metter.	147	1963-75	7-16-75	7.33	3,300
02202910	Ten Mile Creek tributary at Pulaski, Ga.	Lat 32°23'18", long 81°58'17", Candler County, at culvert on State Highway 46, 0.8 mile west of Pulaski.	1.14	1965-75	2-14-75	3.77	88
Altamaha River basin							
02203800	South River at Atlanta, Ga.	Lat 33°40'46", long 84°18'30", DeKalb County, at Bouldercrest Drive at Atlanta.	41.5	1951-75	4-2-75	6.31	1,900
02203845	Shoal Creek tributary near Atlanta, Ga.	Lat 33°43'05", long 84°15'45", DeKalb County, at culvert on Glendale Drive near Atlanta.	a.9	1974-75	12-26-73 6-10-75	4.55 5.70	402 600

* Also a low-flow partial-record station.

† Operated as a continuous-record gaging station.

a Approximately.

g Maximum gage heights computed from graph based on gage readings.

h Published as near Carlton prior to 1918.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Altamaha River basin--Continued							
02203820	Sugar Creek near Atlanta, Ga.	Lat 33°41'41", long 84°18'15", DeKalb County, at culvert on Clifton Church Road near Atlanta.	a8.7	1961, 1963-65, 1975	1-10-75	7.32	710
02203900	South River near Atlanta, Ga.	Lat 33°39'58", long 84°13'29", DeKalb County, on Flakes Mill Road, 8 miles east of Atlanta city limits.	a99	1951-75	4-2-75	9.77	3,650
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, at bridge on State Highway 16, 6.5 miles west of Jackson.	a105	1961-71†, 1972-75	4-3-75	15.46	5,900
02213470	Tobesofkee Creek above Macon, Ga.	Lat 32°51'15", long 83°50'22", Bibb County, 800 ft upstream from bridge on State Highway 74, 8.0 miles west of Macon.	156	1968-71†, 1972-75	4-3-75	12.9	6,920
*02214000	Echeconnee Creek near Macon, Ga.	Lat 32°45'54", long 83°50'22", Crawford-Bibb Counties, at county road 13 miles southwest of Macon.	147	1938-43†, 1951-75	4-3-75	11.09	4,660
02214500	Big Indian Creek at Perry, Ga.	Lat 32°27'20", long 83°44'21", Houston County, at municipal waterworks at Perry, and 300 ft downstream from bridge on U.S. Highway 41.	108	1944-71†, 1972-75	4-15-75	7.90	1,880
02215000	Ocmulgee River at Hawkinsville, Ga.	Lat 32°16'50", long 83°27'40", Pulaski County, at U.S. Highway 341, at Hawkinsville, and at mile 135.1.	a3,800	1877g, 1909-75g	3-19-75	27.59	38,600
02215245	Folsom Creek tributary near Rochelle, Ga.	Lat 32°00'15", long 83°25'58", Wilcox County, at culvert on State Highway 233, 4 miles north of Rochelle.	1.44	1965-75	4-14-75	4.76	2.45
*02216000	Little Ocmulgee River at Towns, Ga.	Lat 32°00'28", long 82°45'10", Telfair County, at State Highway 134, at Towns.	329	1925, 1929, 1938-46†, 1948-75	4-16-75	14.13	3,300
02217400	Mulberry River tributary near Winder, Ga.	Lat 34°03'53", long 83°39'45", Jackson County, at culvert on State Highway 11, 6 miles north-east of Winder.	2.68	1965-75	3-14-75	3.42	529
02218450	Town Creek near Greensboro, Ga.	Lat 33°38'29", long 83°13'36", Greene County, at State Highway 15, 5 miles northwest of Greensboro.	11.9	1964-75	3-25-75	9.49	2,350
02221000	Murder Creek near Monticello, Ga.	Lat 33°24'56", long 83°39'43", Jasper County, 350 ft upstream from bridge on State Highway 229, and 8 miles north of Monticello.	a24	1952-71†, 1972-75	4-2-75	8.64	2,760
02223200	Commissioner Creek at Toombsboro, Ga.	Lat 32°49'53", long 83°04'43", Wilkinson County, at State Highway 112, at Toombsboro.	191	1928 or 29, 1949-75	4-15-75	17.34	3,210
02224500	Oconee River near Mount Vernon, Ga.	Lat 32°11'28", long 82°38'00", Montgomery County, at U.S. Highway 280, 2 miles west of Mount Vernon, and at mile 28.7.	a5,110	1936, 1938-55†, 1956-75g	3-22-75	20.35	46,900
02225150	Ohoopsee River near Wrightsville, Ga.	Lat 32°42'50", long 82°45'20", Johnson County, at U.S. Highway 319, 2.5 miles west of Wrightsville.	a55	1963-75	2-20-75	8.47	1,630
02225200	Little Ohoopsee River near Wrightsville, Ga.	Lat 32°47'20", long 82°33'02", Johnson County, at U.S. Highway 319, 10 miles northeast of Wrightsville.	a63	1951-75	4-15-75	7.80	1,360
02225330	Beaver Creek near Cobbtown, Ga.	Lat 32°16'52", long 82°11'27", Tattnall County, at culvert on State Highway 152, 3.2 miles west of Cobbtown.	9.58	1965-75	4-14-75	4.51	252

* Also a low-flow partial-record station.

† Operated as a continuous-record gaging station.

a Approximately.

g Maximum gage heights computed from graph based on gage readings.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Altamaha River basin--Continued							
02225350	Pendleton Creek tributary No. 2 near Soperton, Ga.	Lat 32°25'35", long 82°29'52", Treutlen County, at culvert on State Highway 86, 6.5 miles northeast of Soperton.	1.68	1965-75	7-15-75	2.99	208
02225850	Beards Creek near Glennville, Ga.	Lat 31°55'26", long 81°52'58", Tattnall County, at State Highway 144, 3 miles east of Glennville.	74.4	1966-75	4-16-75	6.47	1,620
02226030	Doctors Creek near Ludowici, Ga.	Lat 31°44'07", long 81°42'08", Long County, at State Highway 38, 3 miles northeast of Ludowici.	a33	1966-75	4-16-75	7.02	474
Satilla River basin							
02226150	Satilla River tributary near Willacoochee, Ga.	Lat 31°27'24", long 83°03'02", Coffee County, at culvert on State Highway 149, 8.5 miles north of Willacoochee.	6.38	1965-75	4-11-75	4.61	472
*02226200	Satilla River near Douglas, Ga.	Lat 31°24'45", long 82°51'01", Coffee County, at U.S. Highway 441, 6.5 miles south of Douglas.	a235	1948, 1951-75	1-20-75	8.62	3,560
02226580	Big Creek near Hoboken, Ga.	Lat 31°10'28", long 82°11'17", Brantley County, at State Highway 50, 2.5 miles west of Hoboken.	a49	1966-75	4-11-75	9.17	1,060
02227000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, at bridge on U.S. Highway 1, 1.5 miles north of Alma.	150	1952-71†, 1972-75	4-16-75	8.12	2,800
*02227200	Little Hurricane Creek below Alma, Ga.	Lat 31°25'25", long 82°25'59", Bacon County, at State Highway 4, 8.5 miles south of Alma.	111	1948-75	4-16-75	6.41	1,230
*02227400	Big Satilla Creek near Alma, Ga.	Lat 31°39'24", long 82°25'55", Bacon County, at State Highway 4, 8.2 miles north of Alma.	112	1948-75	4-16-75	7.21	2,610
*02227430	Little Satilla Creek at Odum, Ga.	Lat 31°40'00", long 82°02'23", Wayne County, at State Highway 27 at Odum, 10 miles northwest of Jesup.	a49	1949-75	4-16-75	6.07	886
02228050	Buffalo Creek at Hickox, Ga.	Lat 31°09'22", long 81°59'29", Brantley County, at State Highway 23, at Hickox.	a59	1966-75	4-11-75	6.96	(†)
Suwannee River basin							
*02314600	Suwannee Creek at Du Pont, Ga.	Lat 30°59'09", long 82°52'50", Clinch County, at U.S. Highway 84, at Du Pont.	143	1930, 1948, 1952-75	4-15-75	7.79	1,100
02314700	Suwannee Creek near Thelma, Ga.	Lat 30°49'18", long 82°50'28", Clinch County, at State Highway 187, 1.2 miles west of Thelma.	232	1929, 1963-75	4-16-75	8.32	2,670
*02315700	Alapaha River at Rebecca, Ga.	Lat 31°48'55", long 83°28'26", Ben Hill County, at State Highway 90, 1 mile east of Rebecca.	112	1961-75	4-16-75	5.98	2,640
*02315900	Deep Creek near Ashburn, Ga.	Lat 31°43'49", long 83°35'00", Turner County, at State Highway 112, 4.5 miles east of Ashburn.	137	1951-75	4-16-75	13.17	2,810
*02316200	Willacoochee River near Ocilla, Ga.	Lat 31°30'06", long 83°09'43", Irwin County, at State Highway 90, 8 miles southeast of Ocilla.	a90	1948, 1950-75	4-16-75	7.39	1,760
*02317700	Withlacoochee River near Nashville, Ga.	Lat 31°11'54", long 83°16'21", Berrien County, at State Highway 87, 1.5 miles southwest of Nashville.	132	1948, 1951-75	4-12-75	10.55	3,380
02317710	Withlacoochee River tributary near Nashville, Ga.	Lat 31°11'54", long 83°17'17", Berrien County, at culvert on State Highway 76, 2.2 miles southwest of Nashville.	.86	1960-75	4-10-75	4.92	174

* Also a low-flow partial-record station.

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

Crest-stage partial-record stations--Continued

Crest-stage partial-record stations--Continued					Annual maximum		
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
Suwannee River basin--Continued							
02317775	Daniels Creek near Ashburn, Ga.	Lat 31°40'40", long 83°45'06", Turner County, at culvert on State Highway 32, 6.2 miles west of Ashburn.	1.11	1965-75	4-14-75	2.33	111
02317780	Lime Sink Creek near Sycamore, Ga.	Lat 31°36'20", long 83°40'31", Turner County, at culvert on secondary road 1181, 4.5 miles southwest of Sycamore.	.68	1965-75	4-14-75	3.50	103
02317810	Little River tributary No. 2 near Tifton, Ga.	Lat 31°25'30", long 83°34'23", Tift County, at culvert on secondary road 546, 4 miles south-west of Tifton.	.47	1965-75	4-10-75	2.03	48
02317830	Little River near Lenox, Ga.	Lat 31°15'15", long 83°30'32", Cook County, at county highway bridge, 2.5 miles west of Lenox.	a208	1968-71‡, 1972-75	4-11-75	12.97	3,300
02317870	Warrior Creek near Sumner, Ga.	Lat 31°21'45", long 83°46'11", Worth County, at county road, 10.8 miles south of Sumner.	a109	1966-75	4-11-75	14.22	4,010
*02317900	Ty Ty Creek at Ty Ty, Ga.	Lat 31°28'22", long 83°39'47", Tift County, at U.S. Highway 82, 1 mile west of Ty Ty.	a47	1948, 1951-75	4-11-75	6.56	1,290
02317980	Little River near Sparks, Ga.	Lat 31°11'34", long 83°31'22", Cook County, at proposed bridge site on county highway, 5.5 miles west of Sparks.	555	1948, 1961-75	4-12-75	12.83	11,600
02318600	Okapilco Creek near Berlin, Ga.	Lat 31°02'48", long 83°37'02", Colquitt County, on county road, 1 mile south of Berlin.	101	1963-75	4-11-75	12.29	5,040
Aucilla River basin							
02326200	Aucilla River near Boston, Ga.	Lat 30°46'44", long 83°48'12", Thomas County, at bridge on State Highway 133, 1.2 miles south of Boston.	a81	1962-75	4-12-75	7.95	2,800
Ochlockonee River basin							
*02327200	Ochlockonee River at Moultrie, Ga.	Lat 31°10'58", long 83°48'32", Colquitt County, at State Highway 37, at Moultrie.	a96	1948, 1951-75	4-11-75	9.16	3,250
02327350	Ochlockonee River tributary near Coolidge, Ga.	Lat 31°01'33", long 83°57'32", Thomas County, at culvert on State Highway 202, 5.5 miles west of Coolidge.	1.81	1965-75	4-10-75	2.31	186
*02327700	Barnetts Creek near Thomasville, Ga.	Lat 30°54'18", long 84°04'34", Grady County, at county road, 7.5 miles northwest of Thomasville.	104	1951-75	4-11-75	16.28	8,560
*02327900	Wolf Creek near Whigham, Ga.	Lat 30°53'36", long 84°17'26", Grady County, at U.S. Highway 84, 2.2 miles northeast of Whigham.	a19	1948, 1951-75	1-13-75	8.43	(+)
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'54", long 84°15'46", Grady County, 140 ft upstream from highway bridge, and 3 miles west of Cairo.	a60	1944-71‡, 1972-75	1-13-75	9.82	5,830
Apalachicola River basin							
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, 700 ft upstream from bridge on State Highway 115, 1.5 miles east of Leaf, and 7.5 miles southeast of Cleveland.	150	1940-71‡, 1972-75	3-15-75	8.40	6,220
02336090	North Fork Peachtree Creek tributary near Chamblee, Ga.	Lat 33°50'53", long 84°17'57", DeKalb County, at culvert on Meadowcliff Drive, near Chamblee.	.32	1974-75	8-7-74 7-20-75	4.55 9.14	84 217
02336150	South Fork Peachtree Creek at Clarkston, Ga.	Lat 33°48'51", long 84°14'38", DeKalb County, at culvert on Montreal Road, at Clarkston.	5.29	1961, 1963-64, 1974-75	12-31-73 3-13-75	6.51 9.88	847 1,580

* Also a low-flow partial-record station.

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Apalachicola River basin--Continued							
02336180	South Fork Peachtree Creek near Decatur, Ga.	Lat 33°48'20", long 84°17'52", DeKalb County, at bridge on Willivee Drive, near Decatur.	11.0	1961, 1963-64, 1974-75	3-13-75	11.33	1,320
02336325	Nancy Creek tributary near Chamblee, Ga.	Lat 33°54'22", long 84°18'21", DeKalb County, at culvert on Plantation Lane, near Chamblee.	1.35	1974-75	8-7-74 3-13-75	8.42 8.65	762 790
02336697	South Utoy Creek tributary at East Point, Ga.	Lat 33°41'51", long 84°27'33", Fulton County, at culvert on Woodberry Avenue, at East Point.	0.21	1974-75	12-31-73 5-17-75	3.19 4.20	70 125
02336700	South Utoy Creek tributary at East Point, Ga.	Lat 33°41'25", long 84°28'05", Fulton County, at culvert on Headland Drive, at East Point.	.75	1964-69*, 1970-75	8-2-71 5-17-75	7.88 5.77	c533 408
02337100	North Fork Camp Creek at Atlanta, Ga.	Lat 33°39'40", long 84°30'40", Fulton County, at bridge on Redwine Road, at Atlanta.	5.25	1965-69*, 1970-75	1-10-75	9.10	960
*02337400	Dog River near Douglasville, Ga.	Lat 33°39'36", long 84°51'41", Douglas County, at county road, 2.2 miles north of Fair Play.	a43	1951-75	3-14-75	13.98	6,770
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'41", Talbot County, at State Highway 41, 1.8 miles south of Geneva.	47.4	1963-75	4-15-75	8.45	1,510
02343200	Pataula Creek near Lumpkin, Ga.	Lat 31°56'03", long 84°48'12", Stewart County, at bridge on U.S. Highway 27, 8 miles south of Lumpkin.	a70	1950-58, 1959-71*, 1972-75	2-17-75	9.36	9,390
02343225	Pataula Creek near Georgetown, Ga.	Lat 31°49'06", long 84°57'27", Quitman County, at bridge on U.S. Highway 82 (State Highway 50), about 11 miles east of Georgetown.	295	1951-75	2-17-75	9.69	19,400
02346193	Scott Creek near Talbotton, Ga.	Lat 32°39'48", long 84°36'06", Talbot County, at culvert on county road, 3.7 miles west of Talbotton.	3.36	1969-75	4-7-73 2-17-75	c6.61 6.94	c742 847
02346210	Kimbrough Creek near Talbotton, Ga.	Lat 32°41'19", long 84°30'48", Talbot County, at culvert on State Highway 22, 1.8 miles northeast of Talbotton.	6.62	1969-75	4-18-69 3-19-70 3-25-71 1-13-72 4-7-73 4-4-74 2-17-75	6.31 5.19 3.96 2.14 4.20 3.39 4.83	1,800 1,320 841 279 925 642 1,170
02346217	Celeoth Creek near Manchester, Ga.	Lat 32°49'20", long 84°36'16", Talbot County, at culvert on county road, 2.2 miles south of Manchester.	2.82	1969-75	4-2-75	3.01	509
*02348300	Patsiliga Creek near Reynolds, Ga.	Lat 32°34'20", long 84°05'27", Taylor County, at State Highway 128, 1 mile north of Reynolds.	139	1963-75	2-18-75	7.59	1,610
02349000	Whitewater Creek below Rambulette Creek, near Butler, Ga.	Lat 32°28'02", long 84°15'59", Taylor County, on left bank 500 ft downstream from bridge on U.S. Highway 19, and 6.5 miles south of Butler.	93.4	1944-71*, 1972-75	4-15-75	5.24	884
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, at State Highway 30, 1 mile west of Americus.	140	1963-75	2-20-75	10.08	4,210
*02351800	Muckaloochee Creek at Smithville, Ga.	Lat 31°54'19", long 84°14'44", Lee County, at State Highway 118, at Smithville.	a47	1943, 1948, 1950-75	2-20-75	5.36	1,370
02353100	Ichawaynochaway Creek near Dawson, Ga.	Lat 31°46'18", long 84°33'45", Terrell County, at State Highway 50, 7 miles west of Dawson.	118	1963-75	2-19-75	9.23	2,690
02353400	Pachitla Creek near Edison, Ga.	Lat 31°33'18", long 84°40'51", Calhoun County, at bridge on State Highway 37, 3.5 miles east of Edison.	188	1950-59, 1960-71*, 1972-75	4-11-75	7.51	2,540
02356000	Flint River at Bainbridge, Ga.	Lat 30°54'41", long 84°34'48", Decatur County, at bridge on U.S. Highway 84, at Bainbridge.	a7,570	1908-13*, 1929-71*, 1972-75	3-24-75	28.11	47,800

* Also a low-flow partial-record station.

† Operated as a continuous-record gaging station.

a Approximately.

c Revised.

Crest-stage partial-record stations--Continued

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mobile River basin							
02381100	Mountaintown Creek tributary near Ellijay, Ga.	Lat 34°42'04", long 84°31'54", Gilmer County, at culvert on State Highway 282, 3 miles west of Ellijay.	2.41	1965-74	3-29-74	e4.02	e237
02381300	Fir Creek near Ellijay, Ga.	Lat 34°41'06", long 84°37'23", Gilmer County, at culvert on State Highway 282, 8 miles west of Ellijay.	1.35	1966-75	2-4-75	2.40	82
*02384000	Conasauga River near Tennega, Ga.	Lat 35°00'34", long 84°44'02", Polk County, Tenn., at U.S. Highway 411, 1.5 miles north of Tennega.	108	1930-31†, 1938, 1940-43, 1944-47†, 1951-75	3-30-75	16.42	12,700
02384500	Conasauga River near Eton, Ga.	Lat 34°49'40", long 84°51'03", Murray County, at State Highway 286, 5 miles west of Eton.	253	1954-58, 1963-75	3-30-75	12.97	13,900
02384600	Mill Creek tributary near Eton, Ga.	Lat 34°49'38", long 84°48'58", Murray County, at culvert on State Highway 286, 3 miles west of Eton.	4.28	1965-75	3-29-75	5.93	480
02387300	Dead Mans Branch near Resaca, Ga.	Lat 34°35'44", long 84°52'11", Gordon County, at culvert on State Highway 225, 4.2 miles east of Resaca.	.17	1965-75	1-25-75	4.82	114
02388200	Storey Mill Creek (formerly published as Moss Creek tributary) near Summerville, Ga.	Lat 34°25'39", long 85°16'03", Chattooga County, at culvert on county road, 6 miles southeast of Summerville.	6.02	1966-75	1-2-75	7.38	1,030
02388900	Etowah River near Dahlonega, Ga.	Lat 34°30'56", long 84°03'40", Lumpkin County, at bridge on State Highway 9, 4.5 miles west of Dahlonega.	a68	1950-75	3-14-75	8.71	1,510
*02394400	Pumpkinvine Creek below Dallas, Ga.	Lat 33°54'57", long 84°52'40", Paulding County, at State Highway 6, 2.2 miles west of Dallas.	a40	1951-75	3-14-75	15.36	2,820
*02411900	Tallapoosa River at Tallapoosa, Ga.	Lat 33°46'27", long 85°18'00", Haralson County, at State Highway 100, 2 miles north of Tallapoosa.	237	1936, 1949, 1951-75	3-14-75	18.08	5,490
*02413200	Little Tallapoosa River near Bowdon, Ga.	Lat 33°30'48", long 85°14'03", Carroll County, at State Highway 5, 2.2 miles southeast of Bowdon.	a210	1949-75	3-18-75	18.88	6,100
Tennessee River basin							
*03567200	West Chickamauga Creek near Kensington, Ga.	Lat 34°48'10", long 85°20'52", Walker County, at State Highway 143, 2.5 miles northeast of Kensington.	73.0	1950-75	3-14-75	13.82	3,520

* Also a low-flow partial-record station.

a Approximately.

e Corrected.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. All measurements in this table were made during periods of base flow except as otherwise noted.

Discharge measurements made at miscellaneous sites during water year 1975

Discharge measurements made at miscellaneous sites during water year 1975						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Altamaha River basin						
Cabin Creek 02211410	Towaliga River	Lat 33°14'06", long 84°04'23", Butts County, at bridge on county road, 1.5 miles upstream from mouth, and 7.5 miles southwest of Jackson.	33	1955	6-24-75	28.1
*Big Indian Creek 02214500	Ocmulgee River	Lat 32°27'20", long 83°44'21", Houston County, at municipal water works at Perry, and 300 ft downstream from bridge on U.S. Highway 41.	108	1944-71†	8-25-75	63.2
Big Indian Creek 02214620	Ocmulgee River	Lat 32°24'52", long 83°34'17", Houston County, at bridge on State Highway 247, 6.5 miles southeast of Kathleen.	355		6-25-75	243
Suwannee River basin						
Grand Bay Creek 02317550	Little River	Lat 30°46'06", long 83°08'09", Lowndes County, at bridge on State Highway 94, and 8 miles northwest of Statenville.	95	1951-52, 1954, 1960	11-8-74	6.94
Mud Creek 02317570	Grand Bay Creek	Lat 30°48'15", long 83°15'08", Lowndes County, at bridge on U.S. Highway 41, and 2.5 miles southeast of Valdosta.	30		11-8-74	3.65
Little River 02318474	Withlacoochee River	Lat 30°51'09", long 83°20'48", Lowndes-Brooks County lines, at State Highway 94, and about 4 miles northeast of Valdosta.	875		11-7-74	32.9
Piscola Creek 02318870	Withlacoochee River	Lat 30°44'27", long 83°31'32", Brooks County, at bridge on county road S-951, and 3.5 miles southeast of Quitman.	144	1948, 1954, 1968	11-11-74	0
Apalachicola River basin						
Wahoo Creek 02338185	Chattahoochee River	Lat 33°26'12", long 84°54'42", Coweta County, at bridge on Wagers Mill Road, and 3 miles west of Sargent.	29.7		6-23-75	25.7
Horse Creek 02348400	Flint River	Lat 32°27'22", long 84°05'01", Macon County, at bridge on State Highway 128, and 11 miles north of Oglethorpe.	29.3		11-4-74	33.1
*Whitewater Creek 02349000	Flint River	Lat 32°28'02", long 84°15'09", Taylor County, 500 ft downstream from bridge on U.S. Highway 19, below Rambulette Creek, and 6.5 miles south of Butler.	93.4	1944-71†	11-5-74	136
Cedar Creek 02349040	Whitewater Creek	Lat 32°24'01", long 84°13'40", Taylor-Macon County lines, at county highway bridge, at Southland.	62.3		11-5-74	59.5
Buck Creek 02349420	Flint River	Lat 32°18'40", long 84°03'55", Macon County, at bridge on State Highway 90, at Oglethorpe.	226	1943, 1951	11-4-74	117

* Also a crest-stage station.

† Operated as a continuous-record gaging station.

INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
02208450 - ALCOVY RIVER ABOVE COVINGTON, GA. (LAT 33 38 24 LONG 083 46 45)				
JAN.				
21...	1030	338	9	8.2
MAR.				
06...	1700	327	12	11
14...	1235	3530	94	903
MAY				
30...	0800	228	27	17
JULY				
14...	1020	236	23	15
AUG.				
18...	1040	120	31	10
02217500 - MIDDLE OCONEE RIVER NEAR ATHENS, GA. (LAT 33 56 48 LONG 083 25 22)				
DEC.				
31...	1530	744	114	229
FEB.				
11...	1330	528	59	85
MAR.				
31...	1205	956	85	221
MAY				
06...	1240	656	80	143
JUNE				
11...	1320	504	205	279
JULY				
22...	1015	301	49	40
SEP.				
03...	1055	262	74	52
02331000 - CHATTAHOOCHEE RIVER NEAR LEAF, GA. (LAT 34 34 37 LONG 083 38 09)				
JAN.				
08...	1250	294	8	6.4
FEB.				
12...	1135	712	59	115
MAR.				
27...	1615	724	17	33
MAY				
07...	1400	485	41	54
02344500 - FLINT RIVER NEAR GRIFFIN, GA. (LAT 33 14 39 LONG 084 25 45)				
FEB.				
18...	1405	2490	33	224
JULY				
16...	1345	248	19	13
02344700 - LINE CREEK NEAR SENOIA, GA. (LAT 33 19 10 LONG 084 31 25)				
DEC.				
18...	1445	95	14	3.6
MAR.				
12...	0950	250	15	10
APR.				
25...	1520	130	13	4.7
JUNE				
03...	1430	127	17	5.9
AUG.				
25...	1400	27	14	1.0
02349500 - FLINT RIVER AT MONTEZUMA, GA. (LAT 32 17 53 LONG 084 02 38)				
FEB.				
23...	0940	21500	41	2420
02353400 - PACHITLA CREEK NEAR EDISON, GA. (LAT 31 33 17 LONG 084 40 43)				
FEB.				
19...	1110	876	45	106

Page	Page
Abbeville, Ocmulgee River at.....	113-114
Accuracy of surface-water data.....	13
Acre-foot, definition of.....	3
Alapaha, Alapaha River near.....	182-183
Alapaha River at Rebecca.....	358
at Statenville.....	184
near Alapaha.....	182-183
Albany, Flint River at.....	254-259
Alcovy River above Covington.....	88-89, 363
above Stewart.....	90-91
Allatoona Lake near Cartersville, contents of.....	345
Alma, Big Satilla Creek near.....	358
Hurricane Creek near.....	358
Little Hurricane Creek below.....	358
Alpharetta, Big Creek near.....	196
Altamaha River at Doctortown.....	146-150
near Baxley.....	135-141
near Everett City.....	154-159
near Gardi.....	151
near Jesup.....	144-145
Altamaha River basin, crest-stage partial- record stations in.....	356-358
gaging-station records in.....	80-159
measurements at miscellaneous sites in.....	362
reservoirs in.....	160
Americus, Muckalee Creek near.....	360
Analytical methods.....	17
Apalachee River near Buckhead.....	125
Apalachicola River basin, crest-stage partial- record stations in.....	359-360
gaging-station records in.....	191-271
lakes and reservoirs in.....	224, 272-273
low-flow partial-record stations in.....	355
measurements at miscellaneous sites in.....	362
Ashburn, Daniels Creek near.....	359
Deep Creek near.....	358
Athens, Middle Oconee River near.....	118, 363
North Oconee River above.....	119-120
Atkinson, Satilla River at.....	167-171
Atlanta, Chattahoochee River at.....	197-201
North Fork of Camp Creek at.....	360
Peachtree Creek at.....	202-209
Shoal Creek tributary near.....	356
South River at.....	356
South River near.....	357
Sugar Creek near.....	357
Aucilla River near Boston.....	359
Aucilla River basin, crest-stage partial- record stations in.....	359
Augusta, Savannah River at.....	44
Austell, Sweetwater Creek near.....	210-211
Bainbridge, Flint River at.....	266-269, 360
Flint River below.....	270-271
Barnesville, Big Towaliga Creek near.....	94
Barnetts Creek near Thomasville.....	359
Bartletts Ferry Reservoir near Columbus, contents of.....	272
Baxley, Altamaha River near.....	135-141
Beards Creek near Glennville.....	358
Beaver Creek near Cobbtown.....	357
Bell, Broad River near.....	41-42
Berlin, Okapilco Creek near.....	359
Big Creek (tributary to Chattahoochee River) near Alpharetta.....	196
(tributary to Satilla River) near Hoboken.....	358
(tributary to Ogeechee River) near Louisville.....	356
Big Indian Creek at Perry.....	357, 362
near Kathleen.....	362
Big Satilla Creek near Alma.....	358
Big Towaliga Creek near Barnesville.....	94
Biochemical oxygen demand, definition of.....	3
Blairsville, Nottely River near.....	347
Blue Ridge, Blue Ridge Lake near, contents of.....	354
Bonaire, Ocmulgee River near.....	111-112
Boston, Aucilla River near.....	359
Bowdon, Little Tallapoosa River below.....	342-343
Little Tallapoosa River near.....	361
Boulogne, Fla., St. Marys River at.....	178-179
Brier Creek at Millhaven.....	52-53
near Thomson.....	49
near Waynesboro.....	51
Broad River above Carlton.....	356
near Bell.....	41-42
Brushy Creek near Wrens.....	50
Buchanan, Little River near.....	339
Buck Creek at Oglethorpe.....	362
Buckhead, Apalachee River near.....	125
Buckhead Creek near Waynesboro.....	356
Buffalo Creek at Hickox.....	358
near Lexington.....	356
Buford, Chattahoochee River at Buford Dam, near.....	194
Lake Sidney Lanier near, contents of.....	272
Burton Lake, near Clayton, contents of.....	58
Butler, Whitewater Creek near.....	360, 362
Butler Creek at Fort Gordon.....	43
Byromville, Turkey Creek at.....	251
Cabin Creek near Jackson.....	362
Cairo, Tired Creek near.....	359
Calhoun, Coosawattee River near.....	283-284
Oostanaula River at.....	296-297
Calhoun Falls, S.C., Savannah River near.....	38
Calvary, Ochlockonee River near.....	189-190
Camp Creek, North Fork, at Atlanta.....	360
Canoochee Creek near Swainsboro.....	356
Canoochee River near Claxton.....	68-69
Canton, Etowah River at.....	309-315
Carlton, Broad River above.....	356
Cartecay River near Ellijay.....	274
Carters, Carters Lake near.....	344
Carters Re-regulation Dam near.....	344
Coosawattee River at.....	278
Cartersville, Allatoona Lake near, contents of.....	345
Etowah River above.....	318-319
Cedar Creek (tributary to Coosa River) near Cedartown.....	331-332
(tributary to Flint River) at Southland.....	362
Cedartown, Cedar Creek near.....	331-332
Celeoth Creek near Manchester.....	360
Cfs-day, definition of.....	3
Chamblee, North Fork Peachtree Creek tributary near..	359
Nancy Creek tributary near.....	360
Chatsworth, Holly Creek near.....	287
Chattahoochee, Fla., Seminole Lake at, contents of..	272-273
Chattahoochee River at Atlanta.....	197-201
at Buford Dam, near Buford.....	194
at Columbus.....	233-237
at West Point.....	225-230
near Cornelia.....	191-192
near Fairburn.....	212-216
near La Grange.....	222-223
near Leaf.....	359, 363
near Norcross.....	195
near Steam Mill.....	239-240
near Whitesburg.....	221
Chattooga River (Mobile River basin) at Summerville..	335-336
at Chattoogaville.....	337-338
(Savannah River basin) near Clayton.....	30-31
Chestatee River near Dahlonega.....	193
Clark Hill Lake near Clarks Hill, S.C., contents of..	58-59
Clarkston, South Fork Peachtree Creek at.....	359
Claxton, Canoochee River near.....	68-69
Clayton, Chattooga River near.....	30-31
Lake Burton near, contents of.....	58
Tallulah River near.....	32-34
Clyattsville, Withlacoochee River near.....	188
Clyo, Savannah River near.....	54-57
Cobbtown, Beaver Creek near.....	357
Coliform organisms, definition of.....	3
Collection and computation of surface-water data....	9
Collection and examination of water-quality data....	15
Columbus, Bartletts Ferry Reservoir near.....	272
Chattahoochee River at.....	233-237
Upatoi Creek near.....	238
Commissioner Creek near Toombsboro.....	357
Computations, accuracy of results of.....	13
Conasauga River at Tilton.....	288-289
near Dalton.....	285-286
near Eton.....	361
near Resaca.....	290-291
near Tennnga.....	361
Contents, definition of.....	3
Control, definition of.....	3
Coolidge, Ochlockonee River Tributary near.....	359
Cooperation, record of.....	2
Coosa River near Coosa.....	333-334
near Rome.....	325-330
Coosawattee River at Carters.....	278
at Pine Chapel.....	281-282
near Calhoun.....	283-284
near Ellijay.....	275
near Nickelsville.....	279-280

	Page		Page
Cornelia, Chattahoochee River near.....	191-192	Griffin, Flint River near.....	241,363
Covington, Alcovy River above.....	88-89,363	Halfmoon Landing, North Newport River at.....	75-79
Cubic feet per second per square mile, definition of.....	3	Hamburg, Little Ogeechee River near.....	356
Cubic foot per second, definition of.....	3	Hardness, definition of.....	4
Culloden, Flint River near.....	244-245	Hardwick, Oconee River near.....	129-130
Dahlonega, Chestatee River near.....	193	Hartwell Lake near Hartwell, contents of.....	58-59
Etowah River near.....	361	Hawkinsville, Ocmulgee River at.....	357
Dallas, Pumpkinvine Creek below.....	361	Heath Creek near Rome.....	299
Dalton, Conasauga River near.....	285-286	Hickox, Buffalo Creek at.....	358
Daniels Creek near Ashburn.....	359	Hinton, Talking Rock Creek near.....	277
Data, accuracy of.....	13	Hiwassee River at Presley.....	346
Dawson, Ichawaynochaway Creek near.....	360	Hoboken, Big Creek near.....	358
Dawsonville, Etowah River near.....	307-308	Satilla River near.....	164-165
Dead Mans Branch near Resaca.....	361	Hog Fork Fishing Creek, tributary to, near Tignall...	356
Decatur, South Fork Peachtree Creek near.....	360	Holly Creek near Chatsworth.....	287
Deep Creek near Ashburn.....	358	Homer, Hudson River at.....	39
Dewy Rose, South Beaverdam Creek at.....	37	Horse Creek near Oglethorpe.....	362
Dial, Toccoa River near.....	349	Hudson River at Homer.....	39
Discharge, definition of.....	3	Hurricane Creek near Alma.....	358
Doctors Creek near Ludowici.....	358	Hydrologic bench-mark station, definition of.....	8
Doctortown, Altamaha River at.....	146-150	Hydrologic conditions.....	21
Dog River near Douglasville.....	360	Hydrologic conditions, graph of.....	29
near Fairplay.....	217-218	Ichawaynochaway Creek at Milford.....	264-265
Douglas, Satilla River near.....	358	near Dawson.....	360
Douglasville, Dog River near.....	360	International hydrologic decade river station, definition of.....	8
Drainage area, definition of.....	4	Introduction.....	1
Dublin, Oconee River at.....	131	Iva, S.C., Savannah River near.....	35-36
Oconee River near.....	132	Ivylog, Nottely Lake near.....	354
Dudley, Rocky Creek near.....	133-134	Nottely River near.....	348
Du Pont, Suwannee Creek at.....	358	Jackson, Cabin Creek near.....	362
East Point, South Utoy Creek Tributary at.....	360	Lloyd Shoals Reservoir near.....	160
Echeconnee Creek near Macon.....	357	Ocmulgee River near.....	92-93
Eden, Ogeechee River near.....	63-67	Towaliga River near.....	357
Edison, Pachitra Creek near.....	360,363	Jackson, S.C., Savannah River near.....	45-46
Ellijay, Cartecay River near.....	274	Jesup, Altamaha River near.....	144-145
Coosawattee River near.....	275	Penholoway Creek near.....	152-153
Fir Creek near.....	361	Juliette, Falling Creek near.....	97-100
Mountaintown Creek Tributary near.....	361	Ocmulgee River at.....	95-96
Eton, Conasauga River near.....	361	Juniper Creek near Geneva.....	360
Mill Creek Tributary near.....	361	Kathleen, Big Indian Creek near.....	362
Etowah River at Allatoona Dam, above Cartersville...	318-319	Kensington, West Chickamauga Creek near.....	361
at Canton.....	309-315	Kimbrough Creek near Talbotton.....	360
at Rome.....	323-324	Kinchafoonee Creek at Preston.....	252-253
near Dahlonega.....	361	Kingston, Etowah River near.....	322
near Dawsonville.....	307-308	La Grange, Chattahoochee River near.....	222-223
near Euaharlee.....	320-321	Lakemont, Mathis Reservoir near.....	58
near Kingston.....	322	Lakes and Reservoirs:	
Euaharlee, Etowah River near.....	320-321	Allatoona Lake.....	345
Everett City, Altamaha River near.....	154-159	Bartletts Ferry Reservoir.....	272
Fairburn, Chattahoochee River near.....	212-216	Blue Ridge Lake.....	354
Fairplay, Dog River near.....	217-218	Burton Lake.....	58
Falling Creek near Juliette.....	97-100	Carters Lake.....	344
Fargo, Suwannee River at.....	180-181	Carters Re-regulation Dam.....	344
Fausett Creek near Talking Rock.....	276	Clark Hill Lake.....	58-59
Fecal coliform organisms, definition of.....	4	Hartwell Lake.....	58-59
Fifteen Mile Creek near Metter.....	356	Lloyd Shoals Reservoir.....	160
Filtrable residue, definition of.....	4	Mathis Reservoir.....	58
Fir Creek near Ellijay.....	361	Nottely Lake.....	354
Flint River at Albany.....	254-259	Seminole Lake.....	272-273
at Bainbridge.....	266-269,360	Sidney Lanier Lake.....	272
at Montezuma.....	246-250,363	Sinclair Reservoir.....	160
at Newton.....	262-263	Walter F. George Reservoir.....	272-273
below Bainbridge.....	270-271	West Point Lake.....	224
near Culloden.....	244-245	Lakeview, West Chickamauga Creek near.....	352-353
near Griffin.....	241,363	Lawrenceville, Wildcat Creek near.....	80
near Putney.....	260-261	Leaf, Chattahoochee River near.....	359,363
near Thomaston.....	243	Lenox, Little River near.....	359
Folsom Creek Tributary near Rochelle.....	357	Lexington, Buffalo Creek near.....	356
Fort Gaines, Walter F. George Reservoir near.....	272-273	Macks Creek Tributary No. 2 near.....	40
Fort Gordon, Butler Creek near.....	43	Lime Sink Creek near Sycamore.....	359
Gage height, definition of.....	4	Line Creek near Senoia.....	242,363
Gaging station, definition of.....	4	Little Hurricane Creek below Alma.....	358
Gardi, Altamaha River near.....	151	Little Ocmulgee River at Towns.....	357
Geneva, Juniper Creek near.....	360	Little Ogeechee River at Hamburg.....	356
Georgetown, Pataula Creek near.....	360	Little Ohoopsee River near Wrightsville.....	357
Glennville, Beards Creek near.....	358	Little River (tributary to Alapaha River) near Statenville.....	355
Grand Bay Creek near Statenville.....	362	(tributary to Etowah River) near Roswell.....	316-317
Gray, Walnut Creek near.....	104	(tributary to Tallapoosa River) near Buchanan.....	339
Graysville, South Chickamauga Creek at.....	350-351	near Lenox.....	359
Greensboro, Oconee River near.....	123-124		
Town Creek near.....	357		

Page	Page
Little River near Sparks.....	359
near Valdosta.....	362
Tributary No. 2 near Tifton.....	359
Little Satilla Creek at Odum.....	358
Little Satilla River near Offerman.....	166
Little Tallapoosa River below Bowdon.....	342-343
near Bowdon.....	361
Lloyd Shoals Reservoir near Jackson, contents of.....	160
Long Cane Creek near West Point.....	231-232
Louisville, Big Creek near.....	356
Ogeechee River Tributary near.....	356
Ludowici, Doctors Creek near.....	358
Lumber City, Ocmulgee River at.....	115-116
Tributary near.....	117
Lumpkin, Pataula Creek near.....	360
McBean, McBean Creek near.....	356
McIntosh, Peacock Creek at.....	70-71
Maccleenny, Fla., St. Marys River near.....	173-177
Macks Creek Tributary No. 2 near Lexington.....	40
Macon, Echeconnee Creek near.....	357
Ocmulgee River above.....	101-102
Ocmulgee River at.....	103
Tobesofkee Creek above.....	357
Tobesofkee Creek near.....	105
Manchester, Celeoth Creek near.....	360
Map showing location of gaging stations.....	26
Map showing location of partial-record gaging stations.....	27
Map showing location of surface-water quality stations.....	28
Mathis Reservoir near Lakemont, contents of.....	58
Metter, Fifteen Mile Creek near.....	356
Micrograms per litre, definition of.....	4
Middle Oconee River near Athens.....	118,363
Milford, Ichawaynochaway Creek at.....	264-265
Mill Creek Tributary near Eton.....	361
Mill Shoal Creek near Royston.....	356
Milledgeville, Oconee River at.....	127-128
Sinclair Reservoir near.....	160
Millen, Richardson Creek near.....	356
Millhaven, Brier Creek at.....	52-53
Savannah River at Burtons Ferry Bridge, near.....	47-48
Milligrams per litre, definition of.....	4
Milstead, Yellow River at.....	82-83
Mobile River basin, crest-stage partial- record stations in.....	361
gaging-station records in.....	274-343
lakes and reservoirs in.....	344-345
Moniac, North Prong St. Marys River at.....	172
Montezuma, Flint River at.....	246-250,363
Monticello, Murder Creek near.....	357
Moultrie, Ochlockonee River at.....	359
Mount Vernon, Oconee River near.....	357
Mountaintown Creek Tributary near Ellijay.....	361
Muckalee Creek near Americus.....	360
Muckaloochee Creek at Smithville.....	360
Mud Creek near Valdosta.....	362
Mulberry River Tributary near Winder.....	357
Murder Creek near Monticello.....	357
Nancy Creek Tributary near Chamblee.....	360
Nashville, Withlacoochee River near.....	358
Withlacoochee River Tributary near.....	358
Newton, Flint River at.....	262-263
Nickelsville, Coosawatee River near.....	279-280
Nonfiltrable residue, definition of.....	4
Norcross, Chattahoochee River near.....	195
North Fork Camp Creek at Atlanta.....	360
North Fork Peachtree Creek tributary near Chamblee..	359
North Newport River at Halfmoon Landing.....	75-79
near Seabrook.....	74
North Newport River basin, gaging station records in.....	70-79
North Oconee River above Athens.....	119-120
Nottely Lake near Ivylog, contents of.....	354
Nottely River at Nottely Dam, near Ivylog.....	348
near Blairsville.....	347
Ochlockonee River at Moultrie.....	359
near Calvary.....	189-190
Tributary near Coolidge.....	359
Ochlockonee River basin, crest-stage partial- record stations in.....	359
Ocala, Willacoochee River near.....	358
Ocmulgee River above Macon.....	101-102
Ocmulgee River at Abbeville.....	113-114
at Hawkinsville.....	357
at Juliette.....	95-96
at Lumber City.....	115-116
at Macon.....	103
near Bonaire.....	111-112
near Jackson.....	92-93
near Warner Robins.....	106-110
Tributary near Lumber City.....	117
Oconee River at Dublin.....	131
at Milledgeville.....	127-128
near Dublin.....	132
near Greensboro.....	123-124
near Hardwick.....	129-130
near Mount Vernon.....	357
near Watkinsville.....	121-122
Odum, Little Satilla Creek at.....	358
Offerman, Little Satilla River near.....	166
Ogeechee River at Scarboro.....	60,356
near Eden.....	63-67
near Oliver.....	61-62
Tributary near Louisville.....	356
Ogeechee River basin, crest-stage partial- record stations in.....	356
gaging-station records in.....	60-69
Oglethorpe, Buck Creek near.....	362
Horse Creek near.....	362
Ochopee River near Reidsville.....	142-143
near Wrightsville.....	357
Okapilco Creek near Berlin.....	359
near Quitman.....	187
Oliver, Ogeechee River near.....	61-62
Oostanaula River at Calhoun.....	296-297
at Resaca.....	292-293
at Rome.....	305-306
below Resaca.....	294-295
near Rome.....	300-304
Order of listing gaging stations.....	8
Pachitla Creek near Edison.....	360,363
Partial-record station, definition of.....	5
Particle size, definition of.....	5
Particle size classification.....	5
Pataula Creek near Georgetown.....	360
near Lumpkin.....	360
Fatsiliga Creek near Reynolds.....	355,360
Peachtree Creek at Atlanta.....	202-209
South Fork near Decatur.....	360
Peacock Creek at McIntosh.....	70-71
Pendleton Creek Tributary No. 2 near Soperton.....	358
Penholoway Creek near Jesup.....	152-153
Perry, Big Indian Creek at.....	357,362
Pesticide program.....	8
Pine Chapel, Coosawatee River at.....	281-282
Piscola Creek near Quitman.....	362
Plankton, definition of.....	6
Porterdale, Yellow River at.....	84-85
Presley, Hiwassee River at.....	346
Preston, Kinchafoonee Creek at.....	252-253
Pulaski, Ten Mile Creek Tributary at.....	356
Pumpkinvine Creek (Mobile River basin) below Dallas..	361
Putney, Flint River near.....	260-261
Quality-water publications, definition of.....	20
Quitman, Okapilco Creek near.....	187
Piscola Creek near.....	362
Radiochemical program.....	8
Rebecca, Alapaha River at.....	358
Reidsville, Ochopee River near.....	142-143
Resaca, Conasauga River near.....	290-291
Dead Mans Branch near.....	361
Oostanaula River at.....	292-293
Oostanaula River below.....	294-295
Reservoirs, See Lakes and reservoirs	
Reynolds, Fatsiliga Creek near.....	355,360
Riceboro, Riceboro Creek at.....	73
Riceboro Creek near.....	72
Richardson Creek near Millen.....	356
Rochelle, Folsom Creek Tributary near.....	357
Rocky Creek near Dudley.....	133-134
Rome, Coosa River near.....	325-330
Etowah River at.....	323-324
Heath Creek near.....	299
Oostanaula River at.....	305-306
Oostanaula River near.....	300-304

	Page		Page
Roswell, Little River near.....	316-317	Talbotton, Scott Creek near.....	360
Royston, Mill Shoal Creek near.....	356	Talking Rock, Fausett Creek near.....	276
Runoff in inches, definition of.....	6	Talking Rock Creek near Hinton.....	277
St. Marys River at Boulogne, Fla.....	178-179	Tallapoosa, Tallapoosa River at.....	361
near Macclenny, Fla.....	173-177	Tallapoosa River below.....	340-341
North Prong at Montic.....	172	Tallulah River near Clayton.....	32-34
St. Marys River basin, gaging-station records in.....	172-179	Temperature.....	18
Sargent, Wahoo Creek near.....	362	Ten Mile Creek Tributary at Pulaski.....	356
Satilla River at Atkinson.....	167-171	Tennessee River basin, crest-stage partial- record stations in.....	361
at Waltertown.....	161-162	gaging-station records in.....	346-353
near Douglas.....	358	lakes in.....	354
near Hoboken.....	164-165	Tenns, Conasauga River near.....	361
near Waycross.....	163	Terms and abbreviations, definition of.....	3
Tributary near Willacoochee.....	358	Thelma, Suwannoochee Creek near.....	358
Satilla River basin, crest-stage partial- record stations in.....	358	Thermograph, definition of.....	7
gaging-station records in.....	161-171	Thomaston, Flint River near.....	243
Savannah River at Augusta.....	44	Thomasville, Barnetts Creek near.....	359
at Burtons Ferry Bridge, near Millhaven.....	47-48	Thomson, Brier Creek near.....	49
near Calhoun Falls, S.C.....	38	Tifton, Little River Tributary No. 2 near.....	359
near Clyo.....	54-57	Tignall, Hog Fork Fishing Creek Tributary to, near... Tilton, Conasauga River at.....	356 288-289
near Iva, S.C.....	35-36	Tired Creek near Cairo.....	359
near Jackson, S.C.....	45-46	Tobesofkee Creek above Macon.....	357
Savannah River basin, crest-stage partial- record stations in.....	356	near Macon.....	105
gaging-station records in.....	30-57	Toccoa River near Dial.....	349
lakes and reservoirs in.....	58-59	Toombsboro, Commissioner Creek at.....	357
Scarboro, Ogeechee River at.....	60, 356	Towaliga River near Jackson.....	357
Scott Creek near Talbotton.....	360	Town Creek near Greensboro.....	357
Seabrook, North Newport River near.....	74	Towns, Little Ocmulgee River at.....	357
Sediment, definition of.....	6	Turkey Creek (tributary to Flint River) at Byromville.....	251
Selected references.....	22-24	Ty Ty Creek at Ty Ty.....	359
Seminole Lake at Chattahoochee, Fla., contents of... Senola, Line Creek near.....	272-273 242, 363	Upatoi Creek near Columbus.....	238
Shoal Creek Tributary near Atlanta.....	356	Utoy Creek (South) Tributary at East Point.....	360
Sidney Lanier, Lake, near Buford, contents of.....	272	Valdosta, Little River near.....	362
Sinclair Reservoir near Milledgeville, contents of... Smithville, Muckaloochee Creek at.....	160 360	Mud Creek near.....	362
Snake Creek near Whitesburg.....	219-220	Withlacoochee River above.....	185
Snellville, Yellow River near.....	81	Withlacoochee River near.....	186
Solute, definition of.....	7, 16	Wahoo Creek near Sargent.....	362
Soperton, Pendleton Creek Tributary No. 2 near.....	358	Walnut Creek near Gray.....	104
South Beaverdam Creek at Dewy Rose.....	37	Walter F. George Reservoir near Fort Gaines, contents of.....	272-273
South Chickamauga Creek at Graysville.....	350, 351	Waltertown, Satilla River near.....	161-162
South Fork Peachtree Creek at Clarkston.....	359	Warner Robins, Ocmulgee River near.....	106-110
near Decatur.....	360	Warrior Creek near Summer.....	359
South River at Atlanta.....	356	Watkinsville, Oconee River near.....	121-122
near Atlanta.....	357	Waycross, Satilla River near.....	163
South Utoy Creek Tributary at East Point.....	360	Waynesboro, Brier Creek near.....	51
Southland, Cedar Creek at.....	362	Buckhead Creek near.....	356
Sparks, Little River near.....	359	West Armuchee Creek near Subigna.....	298
Sparta, Whitten Creek near.....	126	West Chickamauga Creek near Kensington.....	361
Special networks.....	8	near Lakeview.....	352-353
Specific conductance, definition of.....	7	West Point, Chattahoochee River at.....	225-230
Stage-discharge relation, definition of.....	7	Long Cane Creek near.....	231-232
Statenville, Alapaha River at.....	184	West Point Lake near.....	224
Grand Bay Creek near.....	362	Whigham, Wolf Creek near.....	359
Little River near.....	355	Whitesburg, Chattahoochee River near.....	221
Station numbers.....	8	Snake Creek near.....	219-220
Steam Mill, Chattahoochee River near.....	239-240	Whitewater Creek below Rambulette Creek, near Butler.....	360, 362
Stewart, Alcovy River above.....	90-91	Whitten Creek near Sparta.....	126
Yellow River near.....	86-87	Wildcat Creek near Lawrenceville.....	80
Storey Mill Creek near Summerville.....	361	Willacoochee, Satilla River Tributary near.....	358
Subigna, West Armuchee Creek near.....	298	Willacoochee River near Ocilla.....	358
Sugar Creek near Atlanta.....	357	Winder, Mulberry River Tributary near.....	357
Summerville, Chattooga River at.....	335-336	Withlacoochee River above Valdosta.....	185
Storey Mill Creek near.....	361	near Clyattsville.....	188
Sumner, Warrior Creek near.....	359	near Nashville.....	358
Surface-water publications, definition of.....	14	near Valdosta.....	186
Suspended sediment, definition of.....	7	Tributary to, near Nashville.....	358
Suspended sediment concentration, definition of.....	7	Wolf Creek (Ochlockonee River basin) near Whigham... WRD, definition of.....	359 7
Suwannee River at Fargo.....	180-181	Wrens, Brushy Creek near.....	50
Suwannee River basin, crest-stage partial- record stations in.....	358-359	Wrightsville, Little Ohoopsee River near.....	357
gaging-station records in.....	180-188	Ohoopsee River near.....	357
low-flow partial-record stations in.....	355	WSP, definition of.....	7
measurements at miscellaneous sites in.....	362	Yellow River at Milstead.....	82-83
Suwannoochee Creek at Du Pont.....	358	at Porterdale.....	84-85
near Thelma.....	358	near Snellville.....	81
Swainsboro, Canoochee Creek near.....	356	near Stewart.....	86-87
Sweetwater Creek (Apalachicola River basin) near Austell.....	210-211		
Sycamore, Lime Sink Creek near.....	359		
Talbotton, Kimbrough Creek near.....	360		

CALENDAR FOR WATER YEAR 1975

1974

OCTOBER

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1975

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